

Table of Contents

Resolver Core Administrator's Guide	9
Releases	9
Version 2.8	9
Resolver Core Version 2.8 Release Notes	9
Version 2.7.1	15
Version 2.7.1 (Hotfix)	15
Version 2.7	16
Resolver Core Version 2.7 Release Notes	16
Version 2.6.2	19
Version 2.6.2 (Hotfix)	19
Version 2.6.1	20
Version 2.6.1 (Hotfix) Release Notes	20
Version 2.6	21
Resolver Core Version 2.6 Release Notes	21
Version 2.5	24
Version 2.5 Release Notes	24
Version 2.4.2	28
Version 2.4.2 (Hotfix) Release Notes	28
Version 2.4	29
Version 2.4 Release Notes	29
Version 2.3.5	38
Version 2.3.5 (Hotfix) Release Notes	38
Version 2.3.3	39
Version 2.3.3 (Hotfix) Release Notes	39
Version 2.3	40
Version 2.3 Release Notes	40
Version 2.2.1	42
Version 2.2.1 (Hotfix) Release Notes	42
Version 2.2	43
Version 2.2 Release Notes	43
New in 2.2: Starred Reports	47
Version 2.1.3	48
Version 2.1.3 (Hotfix) Release Notes	48
Version 2.1	49
Version 2.1 Release Notes	49
Version 2.0	51
Resolver Core 2.0 Feature Overview	51
Version 2.0 Release Notes	59
Introduction	67
Introduction Overview	67
Submit Your Ideas: The Resolver Idea Portal	68
System Requirements	69
Data Region	70
Who Should Use This Guide	72
Important Notes About This Guide	73
Notes, Tips & Warnings	74
My Tasks	75
Quick Add	78

Core User Interface	80
User Interface	80
Admin User Interface	83
Log In	87
Log In	87
Log Out	89
Multi-tenancy (Multiple Organizations)	90
Single Sign-On (SSO)	91
Enable SSO	91
Log In with SSO	92
SSO Technical Information	93
SSO Technical Requirements	93
Resolver Core SAML Profile	95
SAML Authentication Sequence	96
SSO Frequently Asked Questions	99
Password Requirements	101
Search	102
Search for Objects	102
Numeric Searches	107
Text Searches	108
About Applications	110
About Applications Overview	110
Recommended Process for Creating Applications	111
Permissions Model	112
Key Permission Components	112
Object Types	115
Object Types Overview	115
Create a New Object Type & Add Components	117
Create a New Object Type	117
Add Fields to an Object Type	120
Add Formulas to an Object Type	123
Add Relationships to an Object Type	128
Add References to an Object Type	131
Add Roles to an Object Type	134
Object Properties	137
Name & Description Concatenation	138
Name & Description Concatenation Overview	138
Add Name or Description Concatenations to an Object Type	141
Edit or Delete a Concatenation	146
Edit or Delete an Object Type	147
Delete an Object	148
Object Type Universe	149
Relationship Graphs	152
Library Objects & Object Types	154
Inferred Permissions	155
Inferred Permissions Overview	155
Add Inferred Permissions on an Object Type	158
Workflows	160
Workflow Overview	160
Edit the Workflow Name or Description	163
Edit the Creation State	164

Edit or Delete the Draft, Active, or Archived States	165
Create a New State	166
Edit or Delete a State	168
Add a Trigger & Transition to a State	171
Add a Condition to a Transition	175
Actions on Transitions	180
Actions on Transitions Overview	180
Add a Messaging Action to a Transition	182
Add a Role Management Action on a Transition	185
Add an Orchestration Event Action on a Transition	188
Add a Clear Fields, Roles or Relationships Action to a Transition	191
Add a Set Field Value Action to a Transition	194
Add a Create Object Action to a Transition	198
Add a Pull Data Values Action to a Transition	202
Edit or Delete a Trigger, Transition, or Action	207
Formulas	209
Formulas Overview	209
Variables, Operators & Functions	211
Time Formula Functions	220
Null Values in Formulas	222
Formula Examples	223
Object Type Groups	227
Object Type Groups Overview	227
Create a New Object Type Group	230
Edit or Delete an Object Type Group	232
Fields	233
Fields Overview	233
Text Fields	235
Text Fields	235
Text Field Concatenation	238
Rich Text Formatting	243
Numeric Fields	248
Date & Time Fields	250
Select List Fields	253
Attachments	259
Image Attachments	264
Edit or Delete a Field	266
Assessments	267
Assessments Overview	267
Focus, Data Definition & Dimensions	271
Instances & Reference Data	273
Create a New Assessment Type	274
Assessment Workflows	280
Assessment Workflows Overview	280
Assessment Data & Reference Data	282
Configure Assessment Workflows	284
Edit or Delete an Assessment Type	285
Scope & Launch	286
Scope & Launch Overview	286
Scope & Launch Requirements	288
Scope & Launch Thresholds & Best Practices	289

Scope & Launch User Interface	290
Scope & Launch/Create an Assessment	292
Add Data to a Previously Launched Assessment	300
Delete a Launched Assessment Object	301
Delete a Launched Assessment Type	302
Data Definitions	303
Data Definitions Overview	303
By Anchor	304
By Leaf	305
Data Series	306
Focus Eligible Definitions	308
Assessment Definitions	310
Create a New Data Definition	311
Edit or Delete a Data Definition	314
Configurable Forms	315
Configurable Forms Overview	315
Standard Forms	316
Standard Forms Overview	316
Create a New Standard Form	319
Configure a Form's Header	321
Standard Form Sections	326
Form Sections Overview	326
Add a Section to a Form	328
Control Section Visibility (Dynamic Forms)	332
Edit or Delete a Form Section	334
Form Conflicts	336
Form Conflict Overview	336
Identify a Conflict & Set a Form's Priority	337
Elements	341
Add Elements to a Standard Form	341
Properties on Forms	343
Fields on Forms	344
Enable an Assessment Table	346
Relationships on Forms	349
References on Forms	355
State Triggers on Forms	361
Formulas on Forms	363
Roles on Forms	365
Form Actions	366
Form Actions Overview	366
Open a Data Visualization Form Action	368
Export Data Form Action	370
Open a Form Action	372
Open Assessment Scoping Form Action	374
Free Form Text (Other) on Forms	376
Assessment Context (Other) on Forms	378
Comments	379
Navigation Forms	380
Navigation Form Overview	380
Create a Navigation Form	381
Edit or Delete a Configurable Form	384

Create a Duplicate Configurable Form	385
Data Visualizations	387
Data Visualizations Overview	387
Focuses & Data Series	388
Reports	392
Reports Overview	392
Loading & Caching Report Data	394
Create a New Report	397
Report Elements	400
Add a Table to a Report	400
Add a Pie Chart or Half-Pie Chart to a Report	408
Heat Maps	413
Heat Maps Overview	413
Add a Heat Map with a Single Data Point	416
Add a Heat Map with Multiple Data Points	421
Add a Bar Chart or Column Chart to a Report	428
Add Repeatable Forms to a Report	434
Add Page Breaks to a Report	442
Add Filters to a Report	444
Add Parameters to a Report	446
View a Report	449
Export a Report	456
Data Analytics Exports	461
Data Analytics Export Overview	461
Create a Data Analytics Export Report	464
Export Object Data from a Data Analytics Report	466
Data Grids	472
Data Grid Overview	472
Create a New Data Grid	473
View a Data Grid	483
Add Free Form Text to a Data Visualization	488
Edit or Delete a Data Visualization	491
Starred Reports	492
Personalized Data Visualizations	494
Data Warehouse	495
BI Connectivity via the Data Warehouse	495
Users	498
Create a New User	498
Edit or Delete a User	500
Impersonate Another User	501
Important Notes About Deleting or Deactivating User Accounts	502
User Groups	503
User Groups Overview	503
Create a New User Group	505
Edit or Delete a User Group	507
Roles	508
Roles Overview	508
Workflow Permissions	511
Advanced Options on Roles	513
Create a New Role	514
Edit or Delete a Role	518

Org Manager	519
Org Manager Overview	519
Important Notes About Org Manager	520
Export an Organization	521
Import an Organization	522
Applications	523
Applications Overview	523
Create an Application & Activity	525
Actions, Views & Roles	528
Add an Action to an Activity	528
Views	532
Views Overview	532
Create a Form View	534
Create a Report View	537
Create a Data Export View	540
Create a Data Grid View	543
Add Roles to an Activity	545
Edit or Delete an Action, View or Role	546
Edit or Delete an Application	548
Edit or Delete an Activity	550
Data Import	552
Data Import Overview	552
Create an Import Template	554
Enter New Object Data on the Import Template	556
Enter Relationship Data on the Import Template	560
Enter Updated Object Data on the Import Template	562
Import Using External Reference IDs	563
Upload the Import Template	567
Audit Trail	569
Audit Trail Overview	569
Export an Audit Trail Spreadsheet	571
Image Upload	573
Image Upload & Custom Logos	573
Languages	574
Languages Overview	574
Add a New Language	579
Email Templates	582
Email Templates Overview	582
Email Template Variables	584
Create a New Custom Email Template	587
Edit the Default (Standard or Assigned) Email Templates	590
Edit or Delete a Custom Email Template	593
Anonymous Login	595
Anonymous Login Overview	595
Create an Anonymous Login	597
Edit or Delete an Anonymous Login	600
Custom Logo	601
Markdown Formatting	601
Markdown Formatting Overview	601
Supported Markdown Styles	602
Printing	605

Printing Overview	605
Videos	606
Version 2.7 Orientation Video	606
Version 2.6 Orientation Video	607
Email Templates Orientation Video	608
Version 2.4 Feature Overview Video	609
Miscellaneous	610
About Pendo Analytics	610
AWS Deployment Architecture	612
Glossary	613
Glossary of Terms	613
Contact Information	619
Technical Support	619
General Inquiries	620
Notices & Intellectual Property Information	621

Resolver Core Version 2.8 Release Notes

New Features

Adjustments to Nightly Triggers & Emails

Prior to version 2.8, nightly triggers and emails were executed between 7:00 and 8:00 pm Toronto time for all customers, which affected consistency for organizations in different time zones. To fix this, 2.8 will roll out adjustments to the nightly triggers and email deliveries so that they're executed at the same **local time** across all environments.

Core North America:

- Nightly triggers and emails begin at 7:00 UTC.
- Delivery starts for East Coast customers at 3:00 am EDT in the summer and 2:00 am EST in winter.
- Delivery starts for West Coast customers at 12:00 am PDT in the summer and 11:00 pm PST in winter.

Core UK:

- Nightly triggers and emails begin at 2:00 am UTC.
- Delivery starts for customers in London, UK at 3:00 am BST in the summer and 2:00 am GMT in winter.

Core EU:

- Nightly triggers and emails begin at 1:00 am UTC.
- Delivery starts for customers in Frankfurt, Germany and Paris, France at 3:00 am CEST in the summer and 2:00 am CET in winter.

Core AU:

- Nightly triggers and emails begin at 16:00 UTC.
- Delivery starts for customers in Sydney and Melbourne, Australia at 3:00 am AEDT in the southern hemisphere summer and 2:00 am AEST in the southern hemisphere winter.

NOTE: These changes will not disrupt any current configurations. Triggers and emails will execute on the same day.

Rich Text Formatting

- Text fields now support [rich text formatting](#) , and with it, end-users can apply headings, basic font formatting, alignment, lists, and hyperlinks for up to 20,000 characters of text directly in the field using the editor or through data import. Rich text formatting is displayed in reports viewed in Core, as well as their exports (Word, Excel, or PDF).

Formula Cards

- A new [formula card](#) display option is now available on reports and forms.



Display Cell Colors as Circles

- To improve readability, colored cells in [data grids](#) and [relationship](#), [reference](#), and [report](#) tables can be displayed with a colored circle instead of a full background color. Note that this option does not apply to workflow states.

Risk Description	Control Effectiveness	Inherent Likelihood	Inherent Impact
Inability to effectively monitor	Non Existent	Probable	Low
The risk of being the subject of a claim or proceedings due to inaccurately drafted contracts or inaccurate	Non Existent	Possible	Significant
Labor regulations are not followed leading to excessive fines and penalties.	Non Existent	Probable	Critical
Existence of financial information that is incomplete, inaccurate, improperly valued,	Strong	Possible	Low
Ensuring privacy/identity management and information security/system protection may require	Strong	Possible	Low
The risk that execution of business strategies will be impaired by failing to effectively manage the	Weak	Remote	High

Improved Date & Time Picker

- Select a date and time with fewer clicks using the improved [date picker](#). Instead of continuously scrolling to select a date, you can now type the year, use the dedicated year arrows, and select a month from the new dropdown menu. To choose a time, you can still use the original arrows, or type the exact hour, minutes, and AM or PM.

View an Example

Incident End DateTime

September 3, 2018 10:55 pm

Sep 2018 < >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

10 : 55 PM

Organization

Select List Toggle Buttons

- Single [select lists](#) with five options or fewer can be displayed as toggle button groups on forms, so end-users can see all their options on-screen at the same time.

Incident Priority

☐ Low
 ☐ Medium
 ☒ High
 ☐ Urgent

Remain Anonymous

☒ Yes
 ☐ No, Provide Name & Contact

Image Upload

- A new administrative [tool](#) makes it possible to upload and store images (i.e., company logos) to embed within Core.

Palette Functionality on Mobile

- Palettes viewed on mobile devices are now fully functional and scaled to fit smaller screens.

Data Grid Palette

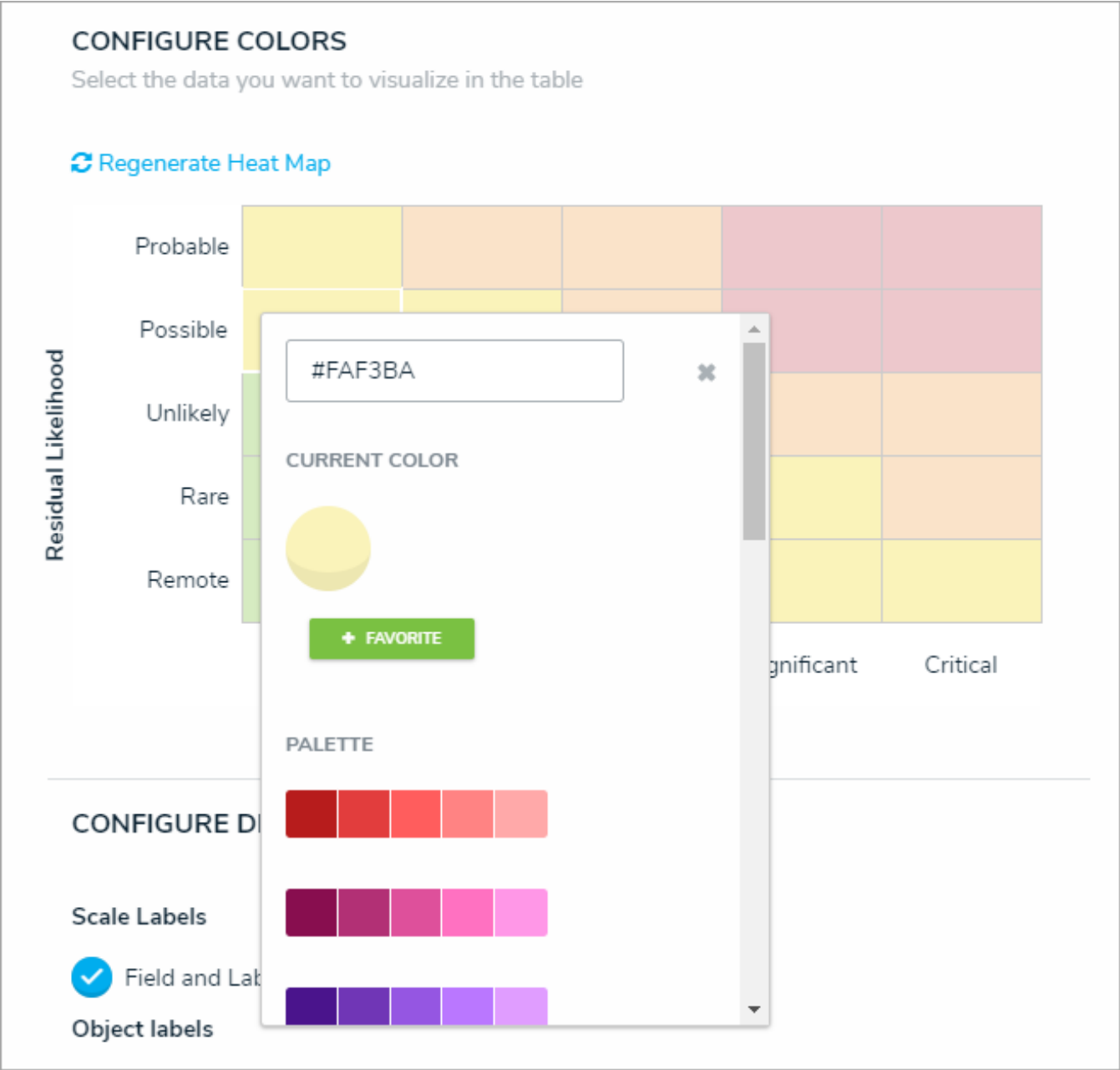
- Admins can now select a custom form to display in a palette for objects opened from a [data grid](#) , allowing end-users to access additional object data without navigating away from the grid.

Filter Tasks By Workflow State

- Clicking a bar chart on the [My Tasks](#) page filters which objects are displayed based on their current workflow state, making it easier to manage your tasks.

Heat Map Colors

- A new color picker makes it easier to customize the colors displayed on your heat maps. Clicking a cell in the settings displays the picker where you can enter a hex color or choose from several preset shades.



Relationship Graph Improvements

- Added functionality to [relationship graphs](#) , including:

- Filters to display objects based on depth (1st Level, 2nd Level, and 3rd Level).
- Highlighting the root object to easily identify which object the graph was opened from.
- Viewing object details in a palette instead of redirecting users away from the graph.

Repeatable Form Page Breaks

- Admins can enable automatic [page breaks](#) before form titles so that each new form instance starts on a new page when exporting to PDF.

UI Improvements

- Various enhancements throughout the Core interface to improve the user experience, including font color adjustments for readability and improvements to editable data grid cells.

Idea Portal Link

- Admins can now access the [Idea Portal](#) through a new link in the Help menu.

Additional Supported Languages

- The [Languages](#) feature now supports Chinese (Simplified), Chinese (Traditional), Japanese, Korean, Russian, and Hebrew (including right-to-left text directions on Chrome, Internet Explorer, and Microsoft Edge).

Exclude PII in the Core Analytics Tool

- Added the ability to exclude user's first names, last names, and email addresses from the data sent to the Core analytics tool (Pendo).

Bug Fixes

- Resolved a bug that prevented linked object types from appearing in the Related Object Types section of the Editing Field page.
- Fixed an issue that prevented attachment files with #, %, or comma characters in the file names from being downloaded.
- The Modified By property no longer occasionally displays the incorrect user.
- Formulas now update as expected when a field value is configured on a workflow transition.
- Deleting a child relationship object that's used in a variable now automatically updates the formula on the parent object.
- Fixed an issue with linked objects not appearing on relationship tables.
- The system no longer accepts imported objects with names that exceed the 300 character limit.
- Users can now successfully upload .zip files as attachments on forms.
- Users groups removed from a role no longer appear in the search results in the role field on a form.
- All platform keys are included and properly translated when configuring alternate languages.
- Using the Explore By feature to search for objects no longer results in the occasional timeout.
- Corrected a bug with Starred Reports that caused sporadic login issues for some users.
- User group names are no longer omitted from language translations.
- Fixed an issue with forms not loading when impersonating another user.

- Corrected bugs that prevented object type names from being translated in the column headers of exported reports and formula ranges from being translated in reports exported into spreadsheets.
- Fixed some issues with the Assessment Header in both Internet Explorer and Chrome.

Version 2.7.1 (Hotfix)

Bug Fixes

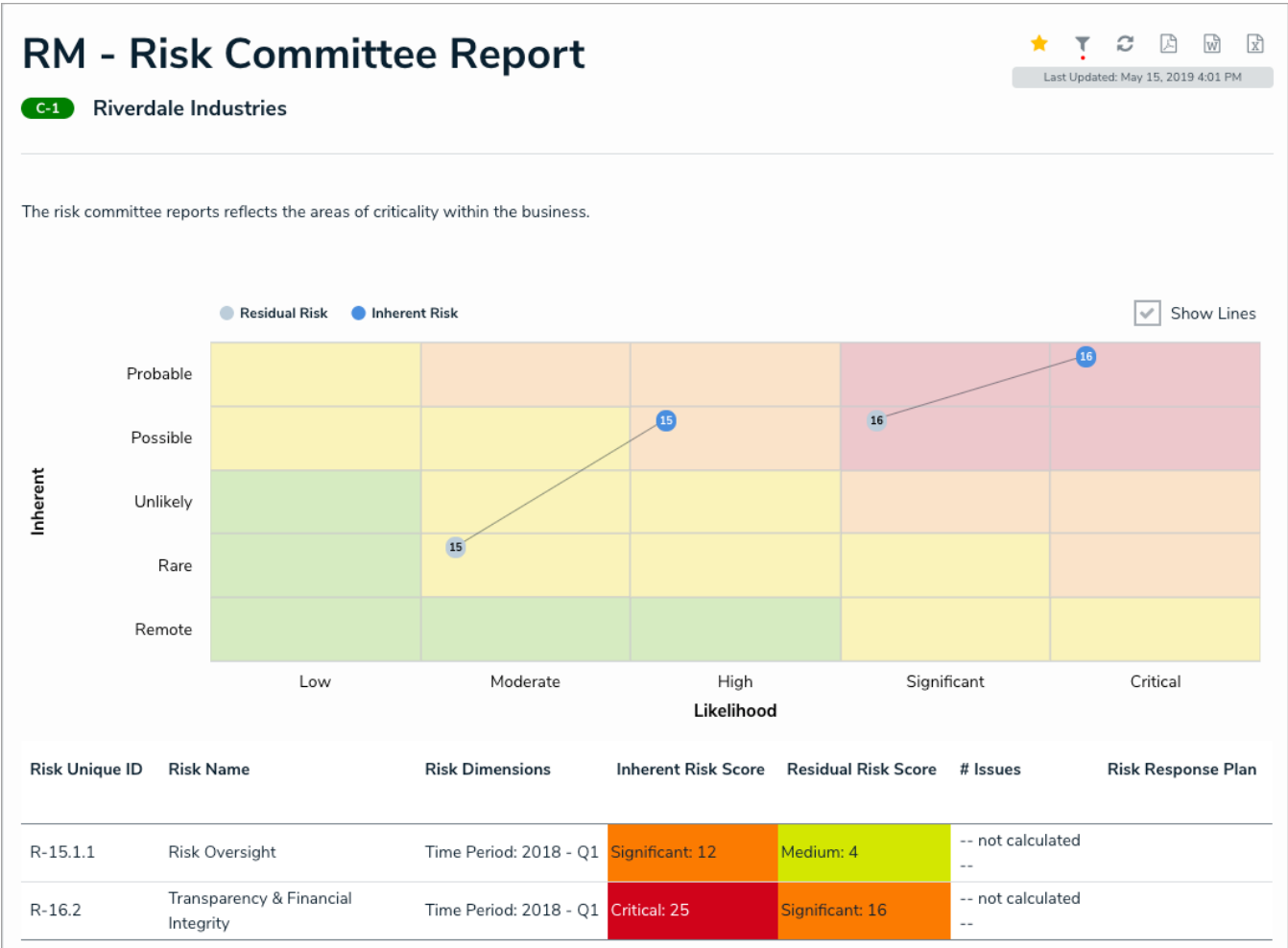
- Fixed an issue with anonymous URLs redirecting incorrectly when the links don't contain a hash symbol (#).
- Corrected a bug that caused a "Lost Connection" error message to appear to some users.
- Relationship tables on forms now display up to 1,000 objects.
- Data grids now load correctly after applying select list option filters.
- Corrected some bugs with PDF exports, including:
 - Section and page break lines displaying incorrectly on repeatable forms.
 - Extra padding in the left margins on repeatable forms, causing field names to wrap and images to shrink.
 - Unique IDs not displaying in the PDF report header.

Resolver Core Version 2.7 Release Notes

New Features

Multiple Data Points on Heat Maps

- Up to six [additional data points](#) from a single object type can now be added to heat map reports. Each data point is assigned a preset color and grouped together on a legend, with optional custom axis labels and lines between objects that appear on the map more than once. Note that the cell labels displayed are populated based on the first data point added to the heat map.

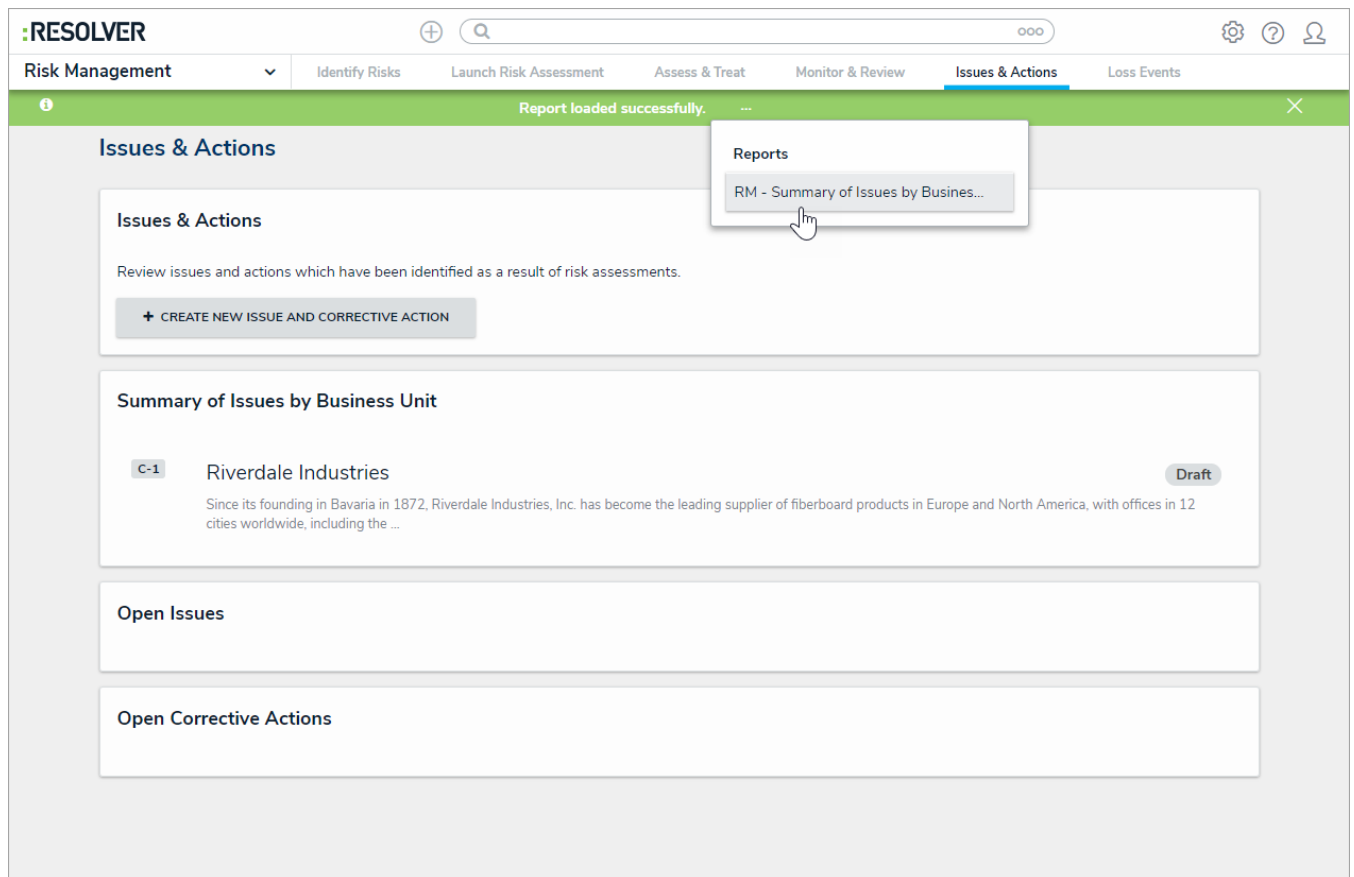


PDF Exports & Page Breaks

- It's now possible to [export reports](#) into a PDF file. Additionally, the new Page Break element breaks the page on PDF exports based on where an admin placed the element on the canvas, ensuring the report is displayed correctly when it's exported or printed.

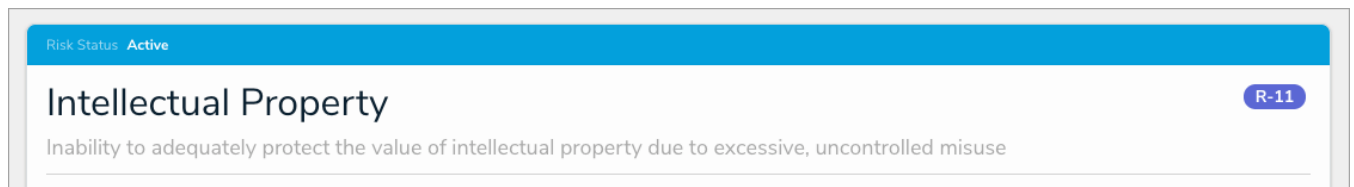
Report Loading & Caching

- To reduce loading times, previously loaded report data is [cached](#) for up to an hour, preventing the need to regenerate data every time a report is viewed within this 60-minute period. The cache is cleared only when your session ends or expires, or an administrator makes changes to the report's configurations or permissions.
- Users can also now work in another area of their org while the report is loading, but can easily access it once it's available through a link in the new banner. All reports will display a timestamp in the user's local time indicating the time and date the report data was last loaded.



Form Header Enhancements

- **Form headers** now have additional configuration options for admins, including custom titles or sub-titles based on the object's Description property, as well as the option of showing the object's workflow state and Unique ID at the top of the form.



Fewer Restrictions on the Pull Data Values Action

- It's now possible to copy an object's data in the **Pull Data Values** action when it belongs to a relationship that isn't restricted to a single object.

Business Intelligence Connectivity Via the Data Warehouse

- For all customers that go live after the 2.7 release, changes to objects (e.g., risks or incidents) are now sent to the new **data warehouse**. It stores a version of both current and historical data making it possible to track trends and see changes over time through business intelligence tools > **BI Connectivity**. Once purchased, administrators can access their warehouse credentials via their personal profile page in Core.

NOTE: BI Connectivity via the Data Warehouse will not be available for our customers live on Core prior to the 2.7 release. Availability for existing customers will come in the Core 2.8 release currently targeted for the September time frame. Contact your Customer Success Manager for more information on this new feature.

Miscellaneous Improvements

- Admins can choose whether to show or hide empty views to end users in an activity.
- Admins can apply By Creation Date and By Last Modified Date parameters to reports.
- Improved image scaling in the Image Attachment field on forms.
- Addressed some display issues for users searching relationship and assessment names while using Internet Explorer or Edge.
- Report filters accessed by end users have been streamlined to remove unnecessary space, titles, and sections.
- Data grids now support multi-select lists.
- A repeatable form with one or more unsupported elements (e.g., relationship, reference, and assessment tables, tabs, workflow buttons, etc.) now shows an "Unsupported Element" message, ensuring the remainder of your report is properly displayed. See the **Unsupported Elements** section in the [Add Repeatable Forms to a Report](#) article for more information and a full list of unsupported elements.

Bug Fixes

- Fixed a bug that would cause inferred permissions to intermittently stop working.
- Formulas no longer retrieve options from deleted select lists.
- Fixed an issue that prevented objects from being created and linked from required relationship fields.
- Relationship columns from referenced object types no longer show "Errant Column" errors when configuring a report or data grid.
- Automatic recalculations now work correctly on all formulas.
- Fixed a bug that removed form section conditions when a linked field was removed from an unrelated object type.
- Scoping several objects in an assessment will no longer result in timeouts.
- Fixed some intermittent issues that occurred when rearranging options in a select list.
- Assessment dimensions are no longer repeated in reports.

For a brief overview of some of the new features in this release, see the [Core 2.7 Orientation Video](#).

Version 2.6.2 (Hotfix)

Bug Fixes

- Fixed a bug that prevented formula calculations from being exported.
- Corrected an issue that allowed users to view unassigned objects.

Version 2.6.1 (Hotfix) Release Notes

Bug Fixes

- Fixed a bug that caused heat maps to load incorrectly.
- Users will no longer see significant delays when searching for objects through relationship fields on a form.
- Heat maps now function correctly when pulling data from an object type group with more than one object type.

Resolver Core Version 2.6 Release Notes

For a brief overview of some of the new features in this release, see the [Core 2.6 Orientation Video](#).

New Features

Data Grid

- The new [data grid](#) displays object data selected by an admin in a spreadsheet-style format. End users can edit the fields, sort, filter, and search for data, show or hide columns, click through pages, and adjust column width and the number of rows displayed per page. Admins can also select if some or all of the fields in the grid are read-only or editable.

:RESOLVER							
Reports Enterprise Risk Incident Data Grid							
London Office 86 results < Page 1 of 4 25 rows > [Grid Icon] [Filter Icon]							
Risk Unique ID	Risk Name	Risk Description	Risk Status	Control Effectiveness	Inherent Likelihood	Inherent Impact	Controls
			Select one...	Select one...	Select one...	Select one...	Search related object...
R-135.1	New Litigation and ...	Inability to	Risk Assessment	Non Existent	Rare	Low	Management approval for contr...
R-134.1	Legal	The risk of being the subject ...	Risk Monitoring	Non Existent	Possible	Significant	Risk assessment efforts are su...
R-133.1	Labour	Labor regulations are not foll...	Risk Monitoring	Non Existent	Probable	Critical	People and IT recovery process
R-132.1	Financial Reporting	Existence of financial inform...	Risk Assessment	Strong	Possible	Low	Establish and distribute a stand...
R-131.1	Privacy new	Ensuring privacy/identity ma...	Risk Monitoring	Strong	Possible	Low	Service agreements are maintai...
R-130.1	New Strategy misal...	The risk that execution of bu...	Assign Risk Owner	Weak	Remote	High	Risk assessment efforts are su...
R-129.1	Jursidictional Regul...	The risk of failing to comply ...	Assign Risk Owner	Strong	Possible	Critical	
R-128.1	Industry Regulation	The risk of failing to comply ...	Assign Risk Owner	Excellent	Unlikely	Low	
R-111.1	Policy Compliance	Failure to provide monitoring...	Assign Risk Owner	Weak	Remote	Moderate	
R-110.1	Channel effectiven...		Assign Risk Owner	Medium	Remote	Low	
R-109.1	Logistics		Risk Assessment	Strong	Unlikely	High	
R-108.1	Partners & JV's	Poorly positioned and/or und...	Assign Risk Owner	N/A		Critical	
R-107.1	Customer Risk		Assign Risk Owner	Weak		Critical	
R-106.1	Disentanglement	Failure to regularly assess th...	Assign Risk Owner	Strong		Low	

Pull Data Values Workflow Action

- The new [Pull Data Values](#) workflow actions copies field and relationship data from related objects into another object once it transitions into the next state.

Menu Toggles

- The Quick Add, Search, and Help menu items in the top bar can now be [toggled](#) on or off for a role, granting administrators more control over which tools and features a user can access.

Repeatable Forms Parameters

- Administrators can now apply parameters to a [repeatable form](#) element to control which data is displayed.

Relative Date Parameters

- Admins can select relative date parameters on tables, data grids, and repeatable forms to show data within more generic time period. Options now include:
 - Today
 - Last 30 days

- Last 90 days
- Last 180 days
- Custom

Required Filters

- If a [report-level filter](#) is marked as required by an administrator, users must now apply a value to that filter before the report is loaded.

The screenshot shows the 'RESOLVER' application interface. The top navigation bar includes 'Risk Management' (selected), 'Identify Risks', 'Assess & Treat', 'Monitor & Review', 'Issues & Actions', 'Loss Events', 'Assessments', 'Reports' (highlighted), and 'Risk Library'. The main content area is titled 'RM - Committee Reports' with the instruction 'Select the data that you want visualized on your report.' Below this, there are two sections: 'FORMULAS' and 'OBJECT NAME'. In the 'FORMULAS' section, 'Residual Risk Score' is selected from a dropdown menu. In the 'OBJECT NAME' section, 'Business Unit' is selected from a dropdown menu, and a red 'Required' label is visible next to it. At the bottom right, there are 'CANCEL' and 'RUN REPORT' buttons.

Create Object Action Notifications

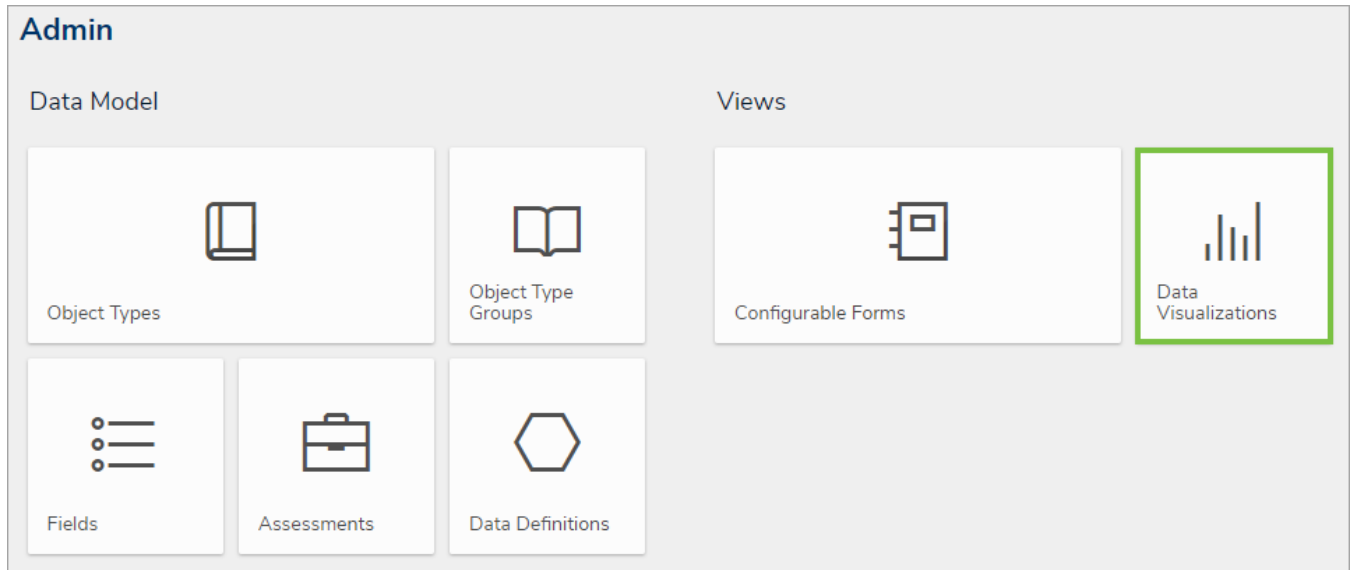
- A notification banner appears when objects are successfully created through a Create Object action on a workflow transition. The ellipsis (...) in the banner displays a list of the objects created. Clicking one of those objects in the list will display the new object.

Relationship Table Sorting

- Objects in relationship tables on standard forms are now automatically sorted by their Unique IDs (newest to oldest).

Data Visualizations

- The Reports settings in Admin has been renamed to Data Visualizations. Functionality in these settings remain the same and you can still create and edit reports (charts, tables, heat maps, and repeatable forms) and data analytics reports, along with the new data grids.



Bug Fixes

- Corrected an issue that prevented select lists from being searchable in report filters.
- Assessment dimensions are now separated by commas when displayed on forms.
- Images are no longer stretched when displayed in a palette in Chrome.
- Fixed a issue that resulted in users seeing a blank screen when switching between multiple starred reports.
- Date filters are no longer duplicated on the report filter palette.
- Nightly triggers will no longer send duplicate emails to users.
- Clicking Refresh on a report page with repeatable forms will now display a new data set when an object is edited.
- Opening a report with repeatable forms from a nav form tree will no longer display a blank page.
- Fixed the assessment labels and adjusted the placement of the Add and Remove buttons on the scoping page.
- Assessment workflows can now be selected as report parameters.
- The Inferred Permissions tree is no longer blank after deleting an object type that was selected in the tree.
- Fixed a bug in tables that caused the forms selected in a role's workflow permissions to override custom form selections.
- A data analytics export will no longer timeout when exporting a large data set.

New Features

Create Object Action

- Clicking on a trigger with the new [Create Object](#) action will create a new relationship or reference object while moving the originating object to the next state.

ACTIONS

Type

Create Object

Name

POI

Object Type

Person of Interest

Creation Trigger

Create

CANCEL

✓ CREATE

Reports

- [Repeatable Forms](#) is a new report element that displays object data as a non-editable, printer-friendly form. This report type is useful for forms that will need to be printed and/or shared in read-only mode with other users.

RESOLVER

Reports

Incident

Record Security & Audit

Incident Supervisor

Chester Benovic

Created By

Modified By

Incident Name

CS-2018-11-26-34 MISC

Description

Incident Owner

Incident Start DateTime

Incident End DateTime

Incident Reported DateTime

November 26, 2018 9:29 am

Additional Access

Created On

2018-11-26

Modified On

2018-12-09

Title

For Review

Incident Severity

High

Incident Status

Closed

Primary Incident Type

Enforcement/Raid

Additional Incident Types

Severity

Based on Incident Type

Business Unit

Corporate Security

- Table reports now support Date & Time field parameters to narrow down the data displayed in the report based on the dates applied in the table's settings.

EDIT TABLE

By Date Fieldwork Complete

From

To

By Date of Fieldwork

From

To

By Date of Kick Off

From

To

By Date Sent

From

To

- For improved performance, filters are no longer automatically applied to reports once selected in the Filters palette. Users must now click the Apply Filter button to narrow down the data displayed.

Assessments

- Adding objects to a relationship or reference field on an assessment no longer creates clones ([instances](#)) of those objects when the Assessment Data option is disabled for the corresponding object type in the assessment's settings.

Miscellaneous Improvements

- Form conflicts are now identified for forms accessed through a palette.
- The Date & Time field no longer rounds up to 5-minute increments to allow for greater accuracy when inputting a time.

Bug Fixes

- Creating a new relationship object no longer occasionally results in an error.
- Assessment types are no longer missing from the Explore By feature when the user has been added to a user group.
- Fixed a bug that would produce a 500 error when trying to delete a role that was set as a required component in a workflow.

- Corrected an issue that would cause pie charts with no data to display duplicate "No Value" sections in the report.
- Users' names now appear in the search results of a role field when typing or pasting a space.
- Fixed an issue that would occasionally prevent forms or reports from being moved to the top of the list in a view.
- General improvements for report loading when applying filters.

Version 2.4.2 (Hotfix) Release Notes

Improvements

- Australia (AU) is now a supported region for data storage.
- Added a time limit for formula calculation run times. If the calculation fails after the allotted time, an error message is displayed and an administrator should check the formula's settings to rectify any issues.

Bug Fixes

- Fixed an issue that prevented users from accessing Core or opening links from emails when SSO is enabled.
- Corrected a problem that prevented some users from creating new objects.

Version 2.4 Release Notes

See the [Version 2.4 Feature Overview Video](#) article for a video introduction to some of these new features.

New Features

Assessment Management

A number of new features make it easier to manage assessments, including the ability to:

- Delete unused data definitions;
- Modify any fields currently used in an assessment;
- Select a new data definition for an unlaunched assessment;
- [Delete a launched assessment type](#) and all its data; and
- [Delete an individual assessment object](#) and its instances (evaluations).

Note that only administrators with Delete permissions enabled on the assessment type can delete launched assessments and assessment objects.

Email Daily Digest

The [Messaging action](#) on a workflow now offers a nightly delivery frequency to queue all the email notifications a user would receive for the transition in a single email. If the same role and email template are selected for additional Messaging actions, users will receive one email with a consolidated list of all the objects that require their attention, even if they're from multiple object types. For added convenience, admins also have the option to include a link in the email to the user's homepage (My Tasks or starred reports).



Hi



Our quarterly CSA launched today. As a Control Owner you are expected to login and update the control you own. Please ensure you have completed this task by 2018-10-09. As the due date approaches, reminders will be sent out. If you have any questions, please contact: Sarah.Barkley@Companyname.com

Your Controls are listed below or you can access a report via the homepage link at the bottom of the email.

Click the links below to access

[Travel and entertainment expenses are audited or reviewed on a sample basis.](#)

[The entity's privacy policies address the disclosure of personal information to third parties.](#)

[Preferred provider agreements are in place to obtain lowest travel rates.](#)

Click the link below to access

[Your Homepage](#)

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Workflow State Variables

Administrators can use workflow states as relationship/reference variables in conditions or formulas. Depending on the [sub-type](#) selected, these variables will check if some or all of the objects are in the specified state or provide a count of the objects in that state.

VARIABLES

Variable Type

Relationship

Relationship

Controls

Available Components

Select one...

SUM (Review Comments)

FORMULA

Significant Deficiencies

FORMULA

Draft

STATE

CONTROL STATUS

Active

STATE

CONTROL STATUS

Archived

STATE

CONTROL STATUS

Self Assessment

STATE

COMPLIANCE CSA WORKFLOW

Compliance Team Review

STATE

COMPLIANCE CSA WORKFLOW

Remediation

STATE

COMPLIANCE CSA WORKFLOW

CANCEL

✓ CREATE

Identify Form Conflicts & Set a Priority

When a user belongs to two or more roles that have permission to view the same object, Core will automatically display the most recently created standard form for that object, which could create a [form conflict](#) . Now, using the Impersonate feature, administrators can navigate to a particular form to check if a conflict exists.

TURN OFF IMPERSONATION MODE

Impersonation mode: On

Impersonating: Caroline Sorensen

RESOLVER

+

Q

ooo

?

U

Risk Management

Identify Risks

Assess & Treat

Monitor & Review

...

Uh oh, this form is in conflict. Adjust the priority in the configurable form builder

...

X

Create Risk

Create a New Risk

Risk Name

Description

Processes

Search

+

Risk Sub Category

Search

+

If a form conflict does exist, a number can be entered into the new Priority field when editing the form, so that the form with the higher assigned priority is displayed to the user.

Admin : Edit Configurable Form

Business Unit - Edit



Name

Business Unit - Edit

Description

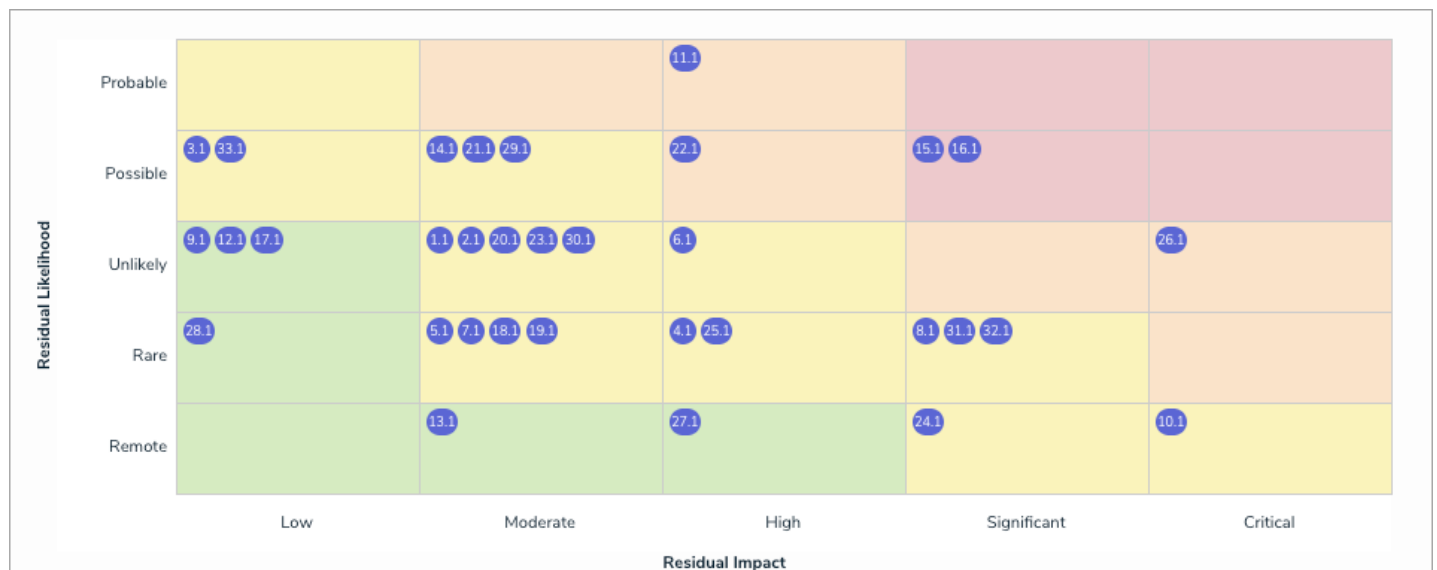
Priority

0

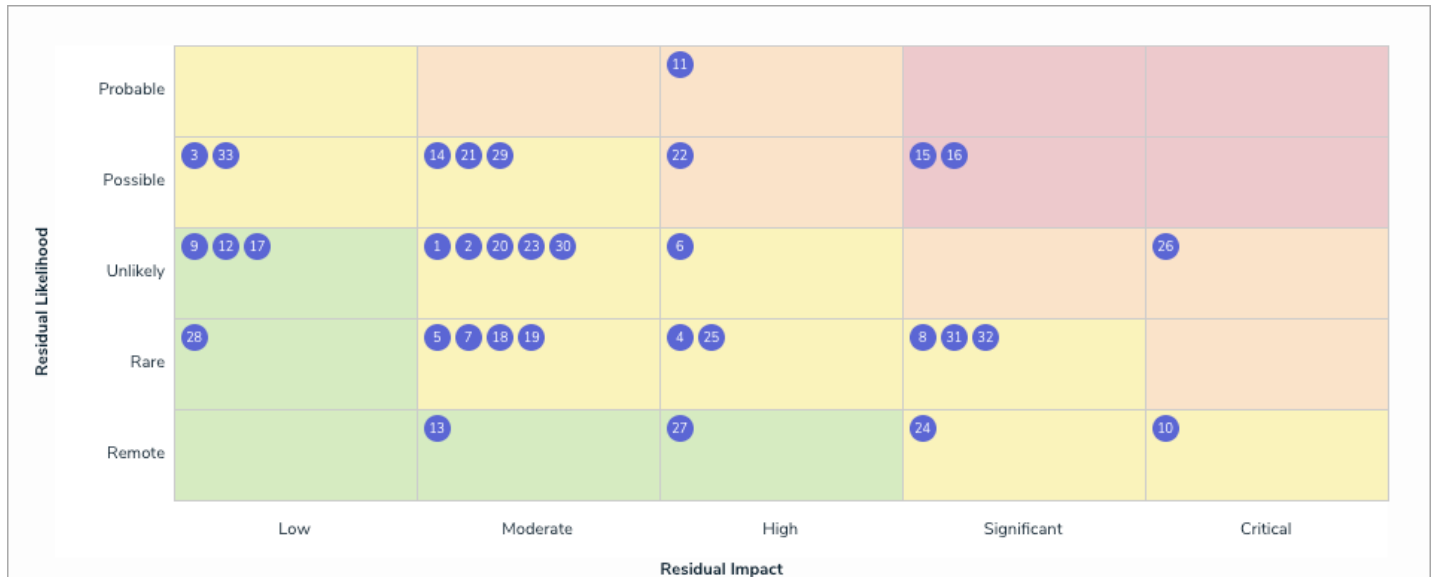
Where does this form rank in relation to other forms for this object type if multiple forms conflict (1 being lowest)?

Heat Map Display

Two new options in the [heat map](#) settings allow administrators to show or hide decimals for assessment objects as well as the field or formula names selected for the X and Y axes.



A heat map with decimals displayed.



A heat map with the decimals hidden.

UI Improvements

The user interface for objects displayed in search results, the assessment scoping screen, and the advanced relationship/reference palette have been streamlined with a more intuitive design. This includes hiding references to assessments if no assessment data exist, automatically displaying existing objects that can be added to a relationship or reference through the palette, and displaying a message when a search yields no results.

C-10.4 Risk assessment efforts are subject to review

Risk assessment efforts are subject to review and approval by key business stakeholders.

PAST ASSESSMENTS ▾

Indicator [GO TO DETAILED RESULTS](#)

IND-16 Privacy Failure Index

No of customers PII at risk in last 12 months / total number of customers

Library **DRAFT**

PAST ASSESSMENTS ▾

IND-16.4 Risk and Control Self Assessment	2018 - Q1	LONDON	NOT STARTED
IND-16.3.1 Risk and Control Self Assessment	2018 - Q1	LONDON	NOT STARTED
IND-16.2.1 Risk and Control Self Assessment	2018 - Q1	LONDON	NOT STARTED
IND-16.1.1 Risk and Control Self Assessment	2018 - Q1	LONDON	NOT STARTED
IND-16.3 Risk and Control Self Assessment	2018 - Q1	SHARED SERVICES	NOT STARTED

LOAD MORE

Search results before version 2.4.

Risk [GO TO DETAILED RESULTS](#)

R-1 **Loss of customer confidence**

Inability to recover critical processes within stated objectives; loss of stakeholder or investor confidence

ASSESSMENTS ▼

Control [GO TO DETAILED RESULTS](#)

C-1 **Customer evaluation assessments**

ASSESSMENTS ▼

C-2 **Formal customer feedback process**

ASSESSMENTS ^

R& C Self Assessment	2018 - Q2	TORONTO	SELF ASSESSMENT
R& C Self Assessment	2018 - Q2	TORONTO	SELF ASSESSMENT
R& C Self Assessment	2018 - Q2	TORONTO	SELF ASSESSMENT
R& C Self Assessment	EDMONTON	2018 - Q3	SELF ASSESSMENT
R& C Self Assessment	2018 - Q2	TORONTO	SELF ASSESSMENT

LOAD MORE

Search results after version 2.4.

Data Region Identification

The login screen and help icon in the top bar now displays the country where your organization's data is being stored.

Miscellaneous Improvements

- Made design and wording improvements to the email templates.
- Adjusted the colors on heat map reports for better readability.
- You can now view the unique IDs for assessment instances by hovering your cursor over an ellipsis in the search results, the scoping screen, and relationship palette.
- Object Type External Reference ID is now the default Identifier Type when using Data Import.

Bug Fixes

- Improved report loading time when retrieving formula and assessment data.

- Fixed a bug that caused database connection issues when recalculating a large number of formulas.
- There is longer a lag when typing data into a large form in Internet Explorer.
- Fixed an issue that would occasionally prevent inferred permissions from being saved.
- Creating an object after converting a single select list to a multi-select list no longer produces an error.
- Deleted relationship objects no longer continue to appear in a related object's table.
- The pop-up calendar now shows 31 days for the month of March instead of 30.
- Fixed an issue that sometimes caused Data Analytics reports to fail upon export.
- Table columns no longer disappear when applying report filters.
- Fixed a bug that sometimes prevented a heat map from regenerating.
- Parameters are no longer deleted when a report page is reloaded.
- Fixed an issue that produced inconsistent or incorrect search results when using the Search field in an activity.
- Objects added to relationships on assessment forms are no longer removed after refreshing your browser.
- Fixed an issue that prevented an object from transitioning out of the Creation state after removing values from a required field.
- Duplicate assignees no longer appear in report tables.
- Data Import no longer produces an error when attempting to import a role with a user that belongs to a user group.

Version 2.3.5 (Hotfix) Release Notes

This release includes an improvement to formulas with a new option for administrators to choose if the system should treat a blank variable as null so it's omitted from the calculation. Previously, all blank variables were assigned a zero (0), which could produce unexpected results, depending on the formula. See the [Null Values in Formulas](#) article for more information.

Version 2.3.3 (Hotfix) Release Notes

This hotfix release includes improvements and bug fixes.

Improvements

- Formulas and workflow conditions now treat blank field values as 0. This applies to the array, count, average, and sum formula sub-types.
- Clicking an Export button will now display a "Loading..." message to indicate the download will begin shortly. This applies to:
 - Org Manager;
 - Data Import;
 - Audit Trail; and
 - Languages.

Bug Fixes

- Attempting to edit an assessment workflow from the Edit Assessment page no longer displays a blank page.
- Custom logos on email templates now display in the correct size when viewing emails on Microsoft Outlook.
- Fixed an issue that prevented related objects from appearing in the Relationship column of table reports.
- Exporting a large report to Excel or Word no longer produces a 500 error.

Version 2.3 Release Notes

New Features

Embedded Fields

Email templates now support [field and property variables](#) , making it easy to provide important information about an object when users receive emails through the Messaging action. These variables are populated based on the object(s) that triggered the email.

A new risk is created by Default User

 **Resolver Notifications** <noreply@resolver.com>
Monday, July 23, 2018 at 1:17 PM
[Show Details](#)

RESOLVER

Hi 

The following risk has been created:

Date Created: **2018-07-23 17:16 (UTC)**
Severity: **High**
Risk Name: **Breach of data**

Please, follow the link below to review the risk.

Click the link below to access
[Breach of data](#)

Powered by **RESOLVER**
You received this email because your company has subscribed to Resolver Core

Email variables (highlighted) as they appear to end users in an email.

Data Import Template

Instead of entering data manually into a spreadsheet, a [data import template](#) can now be generated from the settings for some or all of the relationships and object types in your organization. This template is populated with the basic data required to complete the import, including Object Type and Relationship IDs, fields' Unique Names, assignable roles, and workflow states.

	A	B	C	D	E	F	G	H
1	Object Type ID							
2	CorrectiveAction							
3				Actual Action Completion Date	Expected Action Completion Date	Assignable Role	Library Workflow	
4	External Ref ID	Name	Description	ACTIONCOMP	EXPECTEDCO	Corrective Action Own	Corrective Action Status	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

Bug Fixes

- Fixed an issue that prevented required fields from validating on assessment objects with multiple workflows.
- Formula recalculations now display correctly on forms accessed through the Open a Form action.
- Fixed an issue that prevented the 0 digit from appearing in reports that displayed imported object data.
- Recalculated formulas no longer display an error when select list options are removed.
- Fixed an issue that would prevent email notifications from being sent when an object is created.
- Fixed an issue that sometimes caused a connection error to appear upon login.
- General email notification and Org Import bug fixes.

Version 2.2.1 (Hotfix) Release Notes

This hotfix release includes a number of performance enhancements to improve your overall experience in Resolver Core. These enhancements include:

- New variable sub-types to improve formula processing.
 - Variables can now be made to contain the actual Array (default for current formulas), Count, Every, Average, Max, and Min values of a relationship or reference field (instead of representing the list of values). This means that formula variables can be used to collect and hold information, thereby greatly improving performance when formulas are recalculated.
- Other general performance improvements for:
 - Reports
 - Search
 - Scope & Launch
 - Object creation

Version 2.2 Release Notes

New Features

Starred Reports

It's now possible to star reports so they appear as tabs on your homepage, allowing you to quickly access important information that's relevant to you. A starred report can even be flagged as your landing page so it's the first thing you see when you log in. See the [New in 2.2: Starred Reports](#) article to watch a short orientation video.

RESOLVER

Home

My Tasks

Key Risk Indicators by Risk Category

Risk and Control Matrix By Process

RM - Risk and Control Matrix By Process

O-1.16

Retain High-Quality Employees

Search Table...

Risks Unique ID	Risks Name	Risk Owner	Risks External Reference Id	Inherent Risk Score	Residual Risk Score	Controls Unique ID	Controls Name	Key Control	Design Effectiveness	Operating Effectiveness
R-3.18	Lack of social events		RISK-3.18	Medium	High	C-6.18	Control 1	Not-Key	Not Effective	Effective
R-2.17	Not properly on boarding new employees		RISK-2.17	Critical	Significant	C-8.17	Control 8			

My Tasks Tab

The My Tasks page is now accessible through a tab on the homepage and appears beside any starred report tabs.

Email Templates

Tailor the emails sent to users during a [Messaging](#) workflow action with the new [Email Templates](#) settings, where you can add custom subject lines and messages, apply basic formatting, and even include your company logo.

Email Templates: Create an Email Template

Email Template Name

Report Required Template

Make sure to select a name for your template that does not exist.

Email Subject Line ?

Report required

Email Body ?

The following object(s) require a follow-up report.

Basic Markdown Formatting

HEADERS	EMPHASIS	LISTS	
# h1	<i>*italic*</i>	<u>Unordered</u>	<u>Ordered</u>
## h2	**bold**	-Item 1	1. Red
	---strikethrough---	-Item 2	2. Green
		-Item 3	3. Blue



Hello {User}

The following object(s) require a follow-up report.

Click the link below to access:

[Object name](#)

[Object name](#)

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You received this email because your company has subscribed to Resolver Core

Heat Map Colors

Additional colors are available for [heat map](#) reports. Clicking a cell when configuring the report lets you choose from light to dark shades of green, yellow, orange, and red.

CONFIGURE COLORS

Select the data you want to visualize in the table

[Regenerate Heat Map](#)

Critical					
Significant					
High					
Moderate					
Low					
	Remote	Rare	Unlikely	Possible	Probable

Role Parameters on Reports

Administrators can apply the By Role [parameter](#) on reports, which controls the data displayed in the report and all its elements. More parameters will be available in future releases.

Assign Roles & States on Imported Objects

Administrators can now assign roles and workflow states when [importing objects](#) .

Printing Improvements

Larger tables and images no longer appear cut off in printed forms or reports, headers no longer appear alone on separate pages, and table headers are repeated when a table spans more than one page.

Miscellaneous

General performance improvements.

New in 2.2: Starred Reports

Get quick and easy access to important reports by adding them as tabs on your homepage. Simply click the  icon from the report's page, click **Add to Home** and you're done! Check out the video below for a quick orientation on how to use this awesome new feature.

Your browser does not support HTML5 video.

Version 2.1.3 (Hotfix) Release Notes

Bug Fixes

- Fixed an issue that would prevent report and navigation form data from displaying after an object type was deleted.

Version 2.1 Release Notes

Overview

Resolver Core 2.1 introduces new features that make your experience even more seamless. With two new report filters, end users can now filter data by object type or role, while a new parameter on the table element in reports allows administrators to create personalized reports for the currently logged in user (e.g. My Risks or My Incidents). Other features include a new workflow action to automatically set select list options on an object, the ability to load and explore all objects that belong to a particular object type instead of searching by keyword, and improved orchestration performance.

New Features

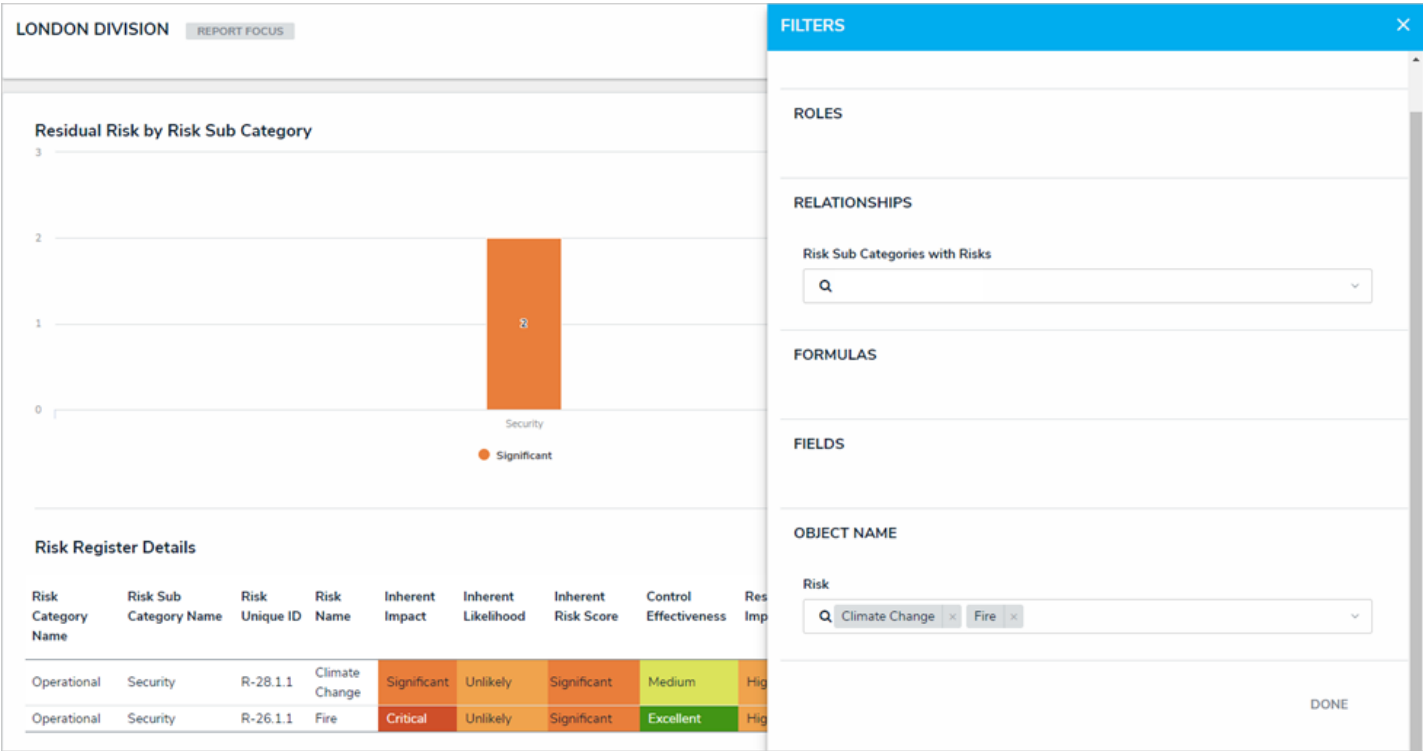
Quick Search (Explore By)

You can now [search](#) your organization by object type by clicking the  icon in search field on any page, which will reveal the **Explore By** menu. From here, you can click an object type to reveal its objects and apply filters to further narrow the results. These results are displayed based on the current user's permissions.

Report Filters

[New filter options](#) have been added to reports, including:

- **Object Type (Object Name):** Users can filter by object name to display data from one or more selected objects only.
- **Roles:** Users can filter report data by individual users or user groups in explicit roles that have been granted direct access to objects from the report's data definition, making it easy to view and analyze data that's relevant to a particular user.



Object type filters applied to a report, which narrows down report data based on the object(s) selected in the filter.

Current User Parameter on Table Reports

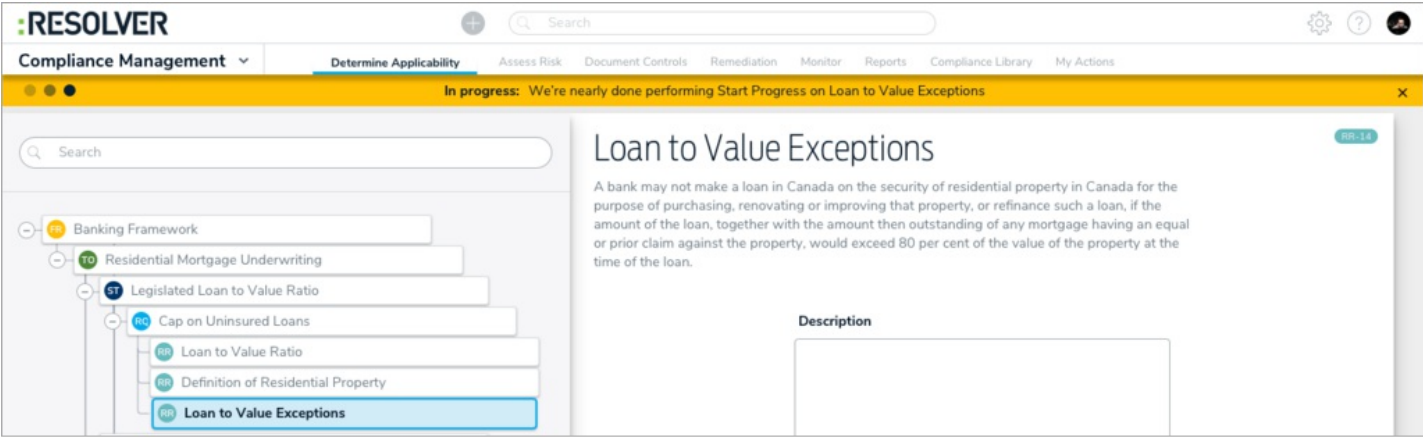
Administrators can apply the new **Current User** parameter on [tables](#) to create personalized reports. Only users added to the role selected in this parameter can view data in the table.

Select List Workflow Action

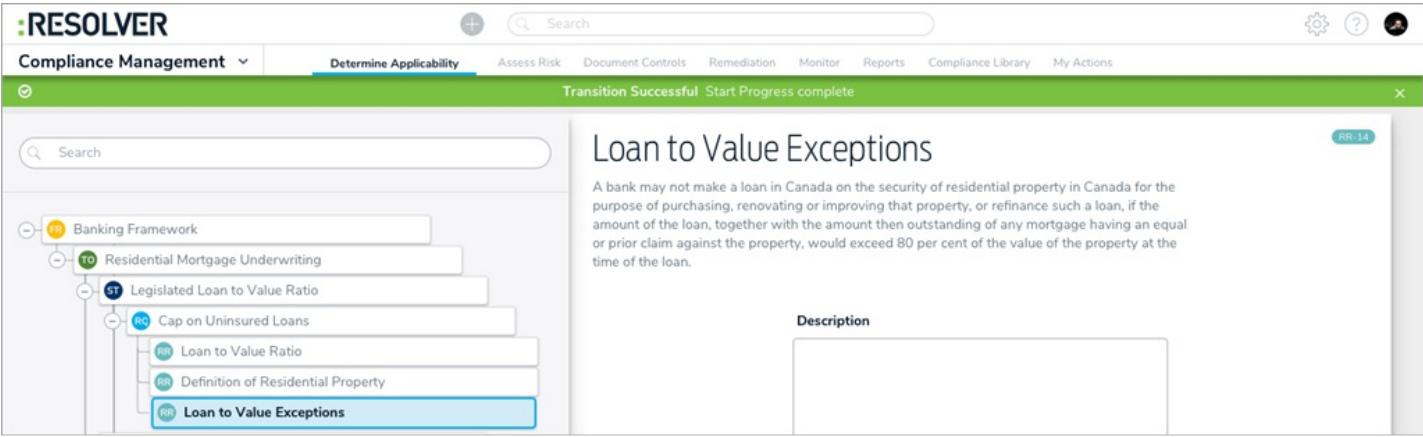
Administrators can now use the [Set Field Value](#) action on a workflow transition to dynamically update select lists once an object transitions into another state. For example, this action could be used to select a High Priority option when an Incident object moves from the Open to Escalated state.

Orchestration Event Improvements

Improved the performance of the [Orchestration Event](#) action on a workflow transition, including faster execution for large amounts of data and visual cues to indicate orchestration progress.



A banner indicating that an orchestration event is in progress.



A banner indicating that an orchestration event was successful.

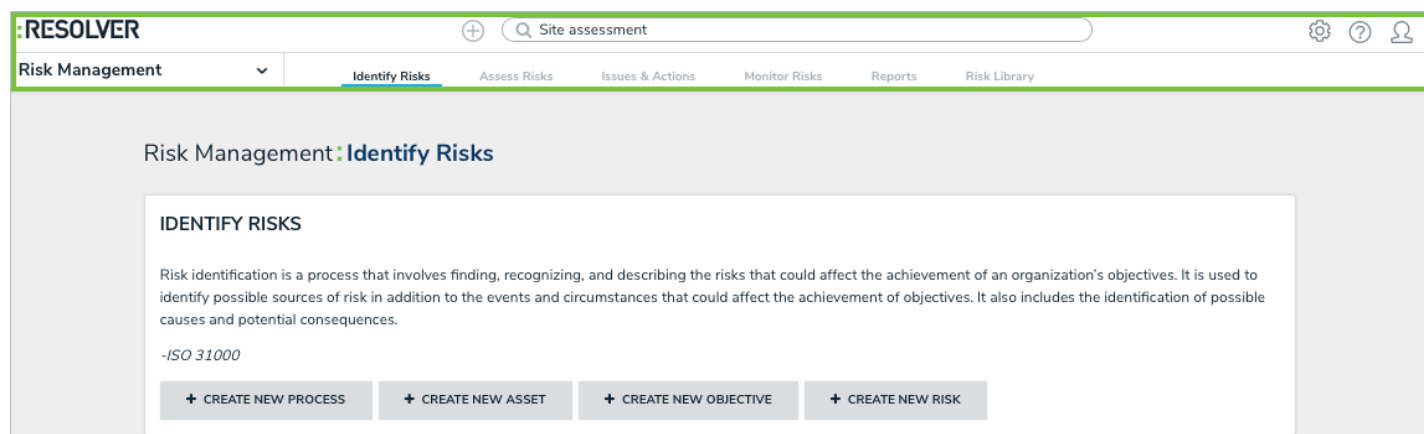
Resolver Core 2.0 Feature Overview

This article provides an overview of the major features available in Resolver Core 2.0, which is expected to be released near the end of January, 2018.

User Interface: New Navigation

The new user interface offers a refined hierarchical, top-down structure in its navigation, providing contextual information that helps the user understand not only where they are in an app, but which task or function they should be completing.

By replacing the left navigation menu with a top navigation bar that includes both dropdown menus and tabs, valuable screen space is freed up while simultaneously providing more application/activity-related information as users move around an app.



The new app navigation in version 2.0 (highlighted).

For more detailed information on the new user interface, watch the Resolver Core 2.0 New UI Orientation video below.

Assessments

Assessments are a key building block to Resolver Core as they support multiple business activities across most of the apps.

Broadly speaking, an assessment is a point-in-time or continuous evaluation of data in the context of a business activity. Some assessment examples include:

- Risk assessments
- Control assessments
- Control testing
- Security audits
- Audits
- A/B testing
- Scenario modeling

Note: Not all the examples listed above are supported in 2.0.

Additional Data Types

The 2.0 release introduces the concept of reference data, which helps the user understand how the assessed data relates to the bigger picture across the organization. Reference data is important, secondary information within an assessment that does not actually need to be assessed. Potential examples of data that can be used as a reference include:

- Legislations
- Business units
- Locations
- Departments
- Products
- Teams
- Major processes
- Objectives

When an object in an assessment is flagged as reference data, it prevents additional instances of that object from being created at the launch of an assessment, avoiding data bloat while providing better organization of the data.

Assessment Scoping

Users can search, explore, and refine assessment data via the new scoping tool. The ability to explore permissioned data will contribute to more efficiently scoped assessments, draw connections between data across an organization so testing can be done in sync, and easily include past data from previous assessments (e.g. relaunch from a previous quarter, leverage other team's conclusions).

RESOLVER

+

Search

⚙️

?

👤

Risk Management

Identify Risks

Assess Risks

Issues and Actions

Monitor Risks

Reports

Risk Library

QUARTERLY RISK ASSESSMENT

Q3 2017

Toronto

EDIT ASSESSMENT DETAILS

Add a focus Process to your assessment from the list below. If it's necessary, you can add multiple Processes to focus on. You'll be able to review and perform more granular scoping before you confirm the scope of your assessment.

Filters applied

Location

Toronto

×

Filter Processes

By Name

Q

▼

By Assessment Type

Q

▼

Dimension Type

Q Location

▼

Q Toronto

▼

By Description

Q

By Workflow State

Q

By Risk Rating

Q

By Inherent Risk

Q

By Residual Risk

Q

P-1

Bank Account Management and Reconciliation

Bank Account Management and Reconciliation

Library

In Progress

PAST ASSESSMENTS

^

Quarterly Risk Assessment

Q2 2017

Toronto

Complete

+

ADD TO SCOPE

Quarterly Risk Assessment

Q1 2017

Toronto

Complete

+

ADD TO SCOPE

CSA

2017

Toronto

Complete

+

ADD TO SCOPE

P-2

Cash Management, Treasury, Cash Disbursement (Incl Cash flow, Reconciliation)

Cash Management, Treasury, Cash Disbursement (Incl Cash flow, Reconciliation)

Library

In Progress

PAST ASSESSMENTS

▼

Not Available

P-3

Debt and Interest Expense/Manage Cash Flow/Treasury

Debt adn Interest Expense/Manage Cash Flow/Treasury

Library

In Progress

PAST ASSESSMENTS

▼

+

ADD TO SCOPE

P-4

Foreign Exchange Risk (Hedging and Currency Translation)

Foreign Exchange Risk (Hedging and Currency Translation)

Library

In Progress

PAST ASSESSMENTS

▼

+

ADD TO SCOPE

There are currently 0 objects added and ready for review

▲

An assessment displaying the new scoping capability.

Intuitive Display

Understanding data is critical. Users need the visibility of data across the organization in its current state but also need to understand how that data has been changing over time and across business units. Did this control fail last quarter? How has that risk trended over time? Why? These are just some of the question we need to be answered to accurately make conclusions on the current state.

To do this, 2.0 has introduced the ability to access previous assessment results via fields while assessing objects. This enables all user types to make more confident and accurate conclusions.

53

Control Assessment

A control self assessment allows the compliance team to understand how the controls limit the organization's overall risk exposure. Please assess how well the control is operating within daily operations.

Control self assessment

Weak

Time	Location	Control self	Trending
Q4 2017	Toronto	Weak	—
Q3 2017	Toronto	Weak	↓
Q2 2017	Toronto	Strong	—
Q1 2017	Toronto	Strong	—
Q1 2016	Toronto	Strong	—

Viewing previous assessment results of an object field via a form.

Additionally, intuitive grouping of assessment instances by the originating assessment in search, scoping, and relationships mean that it's easier to visualize how objects change over time and map the correct instance to applicable objects.

Description

Maecenas magna phasellus mattis dui dui leo mi auctor accumsan nostra aliquam condimentum arcu magnis himenaeos ridiculus r

Number of Requirements

3

Rationale for Not Applicable

Sub Topic Status

Applicability As

Related Data

Requirements

Unique ID	Name	Inherent Impact	Type of non-compliance
Req-1	Requirement 1	High	Loss of License
Req-2	Requirement 2	Significant	Financial Penalty
Req-3	Requirement 3	High	Reputation Damage

ADD EXISTING REQUIREMENT
CREATE NEW REQUIREMENT

Search

R-4 Requirement 4

Manage Cash Flow/Treasury Risk and Control Matrix

Library

In Progress

+ ADD

PAST ASSESSMENTS

CSA Q2 2017 Toronto Archived

CSA Q1 2017 Toronto Archived

Sox Q3 2017 Toronto Archived

Sox Q2 2017 Toronto Archived

Sox Q1 2017 Toronto Archived

ADDED

+ ADD

+ ADD

+ ADD

+ ADD

R-5 Requirement 5

Manage Cash Flow/Internal Store Policy

Library

In Progress

+ ADD

PAST ASSESSMENTS

R-6 Requirement 6

Manage Cash Flow/Bank to Offshore Accounts

Library

In Progress

+ ADD

PAST ASSESSMENTS

R-4 Requirement 4

Manage Cash Flow/Treasury Risk and Control Matrix

Library

In Progress

+ ADD

PAST ASSESSMENTS

R-6 Requirement6

Manage Cash Flow/Chain of custody

Library

In Progress

+ ADD

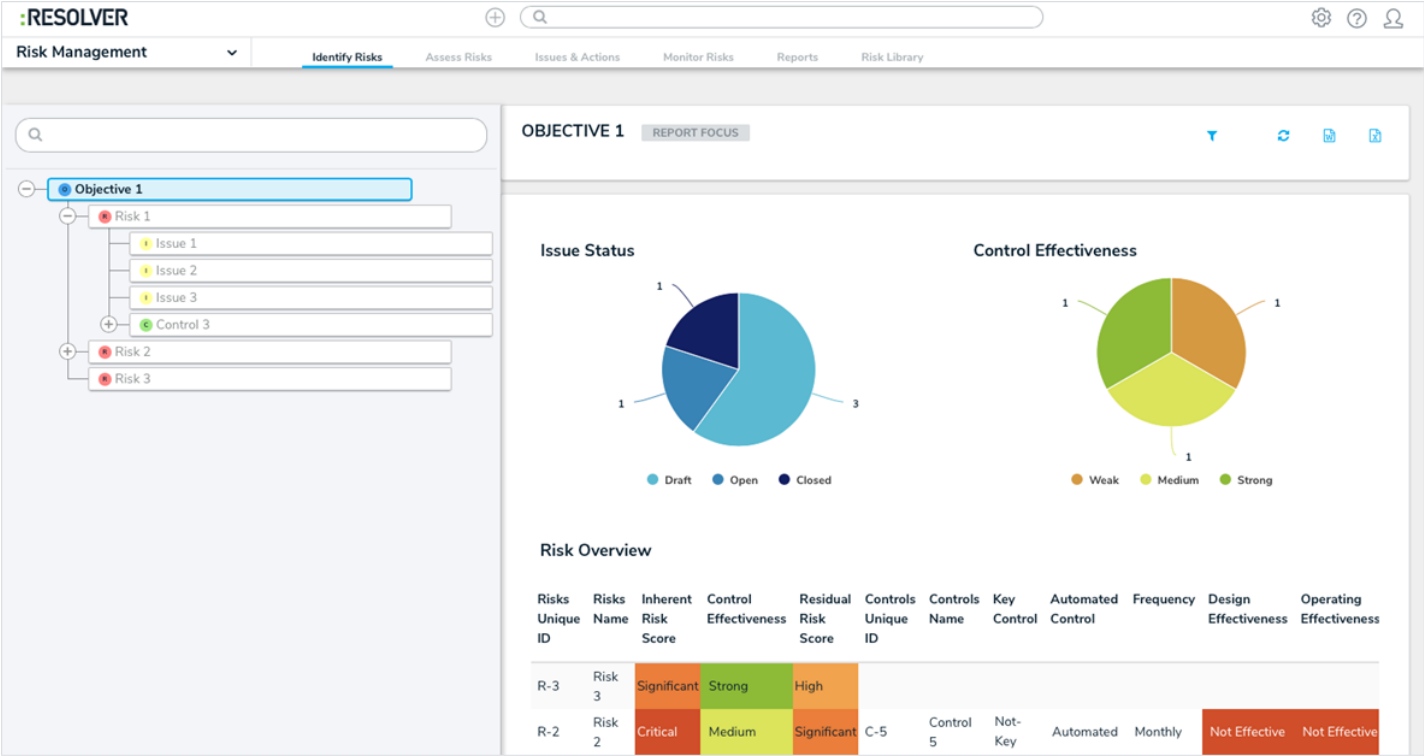
PAST ASSESSMENTS

Adding existing, un-mapped requirements to a topic or sub-topic.

Navigation Form (Tree Browsing)

In previous versions, users didn't always understand where they were, which objects are related to another, or how to access these related or referenced objects. The new navigation form corrects these issues.

Organizations tend to think of their data in a hierarchical structure and with the navigation form, you can now connect your highly configurable forms or reports to any object. The tree provides context by representing the data in a structure that's both familiar and easily accessible.



The navigation form on the left. Clicking on an object in the form will display it to the right.

Assessment Workflows

Although the properties and fields of an object (e.g. risk, control, or incident) may be similar, the process these objects go through are typically dependent on the application (e.g. a risk in Security Audit versus ERM) or the assessment (an audit assessment versus a risk assessment). For example, SOX assessments focus on controls and require an extended life cycle that potentially differs from an audit assessment, it requires more coordination and involvement from multiple resources.

Assessment workflows enable this flexibility by allowing administrators to tailor an object's workflow at the assessment level, allowing you to create different workflows for the same objects across multiple applications and assessments.

RISK**WORKFLOW**

Risk Assessment Risk Workflow

Quarterly Control Assessment Risk Workflow

Risk Library Workflow

An object type with multiple workflows.

Workflows

Orchestration

Orchestration enables communication between objects. Objects can “talk” to and “instruct” each other, which dictates behaviors based on actions or assessments taken on another object. In other words, using orchestration, changes to one object can force a change to a related object. Events that could benefit from orchestration include:

- Kickoffs
- Escalations
- Close Audits
- Launch a Risk Assessment
- Launch a Control Assessment

More specific examples include:

- Close an Audit: Clicking the Close button at the audit level closes all open issues and marks all tests as Complete.
- Launch a Risk Assessment: Sets all processes, risks, and controls from Draft to In Progress. All objects transition, the objects are time stamped with start dates (a new workflow action feature), and emails are sent to the appropriate owners.

Workflow Actions

Expanding on the above, the new workflow actions add another level of automation to an organization's processes, providing less hands-on work and more standardization of data changes.

These new actions include:

- Clear Fields, Role, or Relationships (e.g. clear roles when launching an audit. Clear fields, issues, and action plans when reassessing controls, risks, or processes).
- Set Date fields (e.g. extension requests or time stamping start or completion dates). As assessments progress, dates need to be responsive as the objects move through different stages. Workflow date actions will enable:
 - Time stamps (e.g. the start or completion of an assessment).
 - Deadline setting (set a date two weeks from today).
 - Extension deadline (e.g. request extension. If approved, reset the deadline date today, but add 5 additional days).

State Categories

State categories will help users understand completion percentages and segregate data across the applications. For example, Library versus Assessment versus Archived data.

This feature will continue to evolve in future releases. More to come...

Additional Features

Filters

Date-based filters can now be applied to reports. This feature is useful for situations such as running reports on issues created in the last month or action plans that have been opened in the last week.

Field Type: URLs

The URL field type on forms enables users to upload files, files and links, or links only.

The screenshot shows a web form titled "Risk Library Workflow". Below the title is a teal header bar labeled "Risk Assessment". Underneath, the section "Attachments." is displayed. It contains two items: "Risk Assessment Procedure.xlsx" with a file icon, and "Iso31000" with a link icon. Each item has a small edit icon and a close 'x' icon. Below the attachments is a large dashed box containing the text "Drag files here or click to select...". At the bottom of this box, separated by a horizontal line, is the text "Click to add a web link to a file...".

The new URL field on a configurable form.

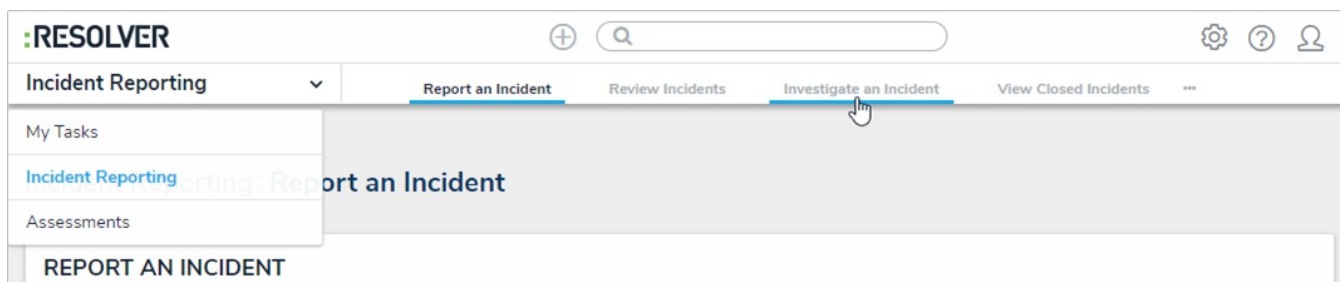
Version 2.0 Release Notes

New Features

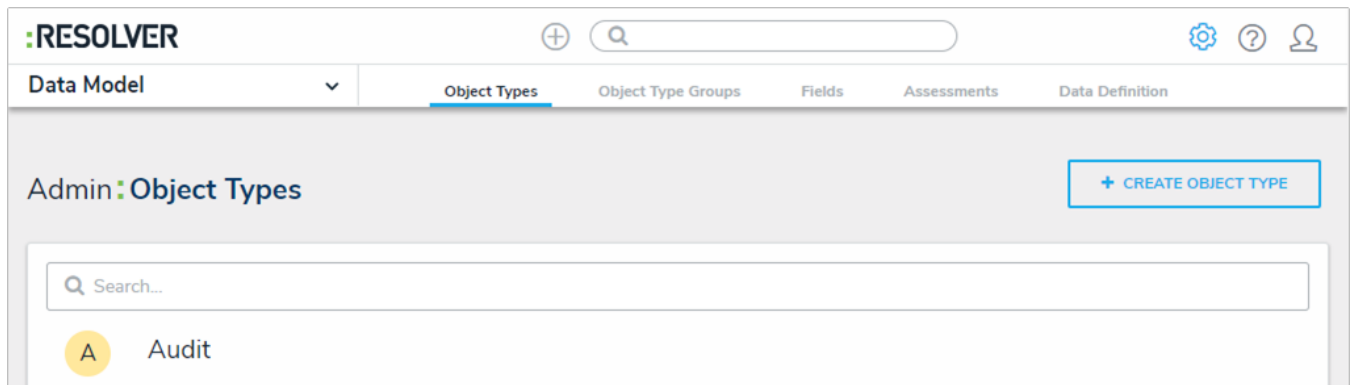
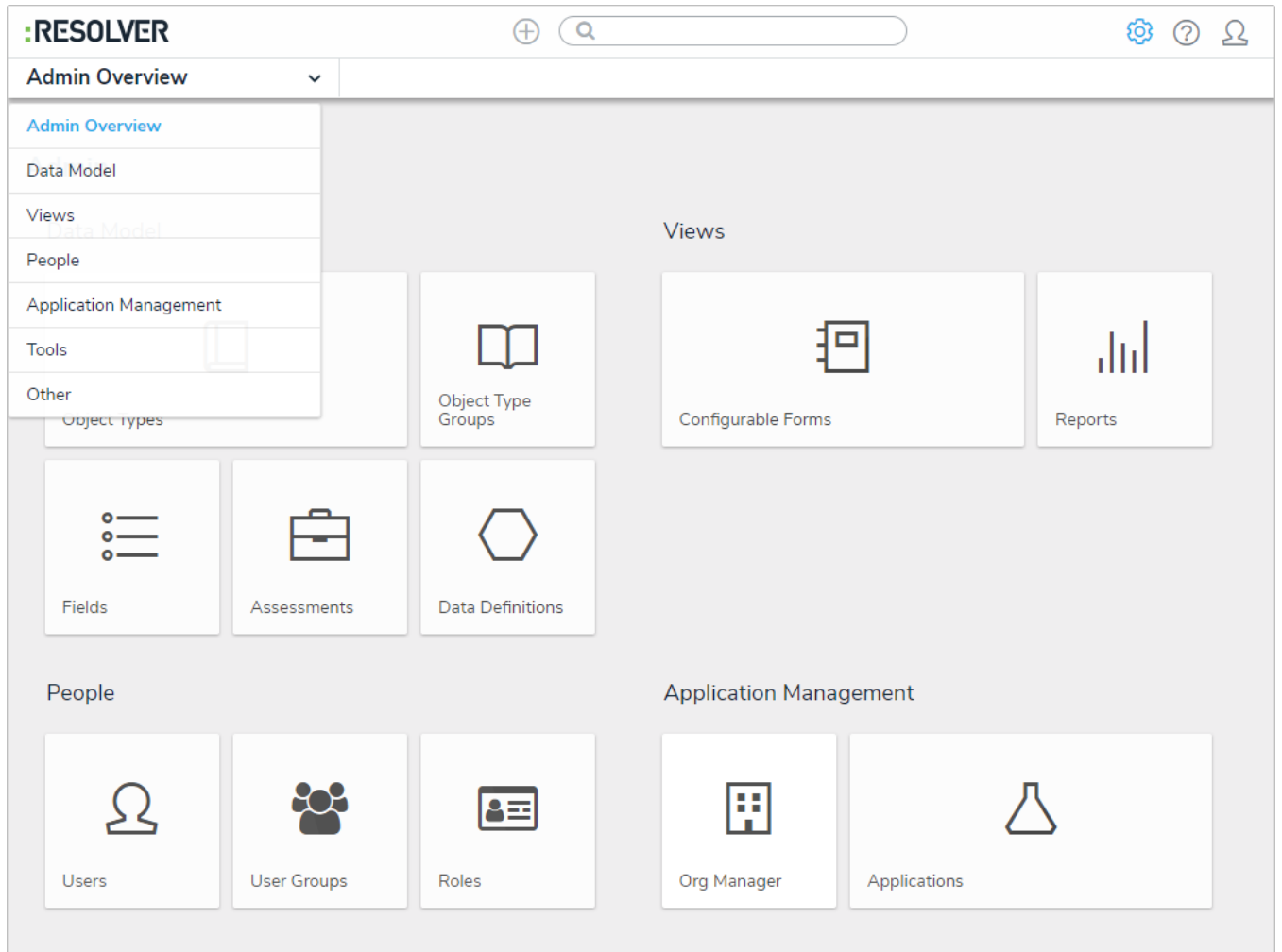
User Interface

Core 2.0 comes with a brand-new user interface that helps guide users and free up valuable screen space. These changes include:

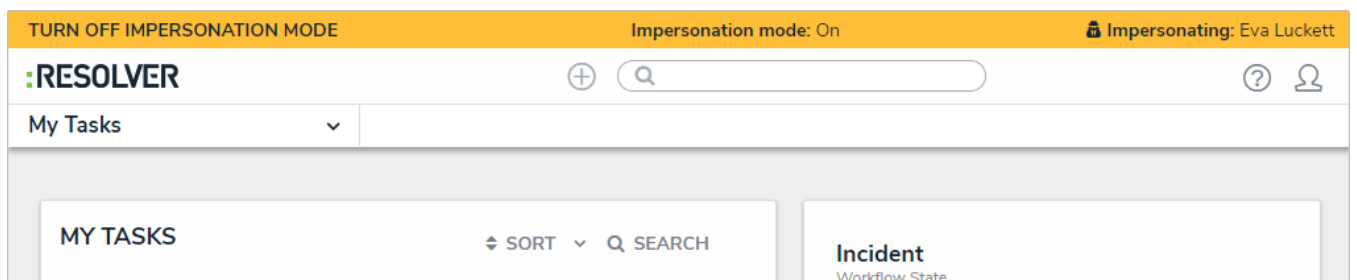
- The new static top bar that gives you access to:
 - The home (My Tasks) page by clicking the Resolver or custom logo;
 - Quick Create by clicking the  icon;
 - The search function by entering keywords in the text field;
 - The administrative settings by clicking the  icon (if you're not an admin, this icon is not visible);
 - The Resolver Knowledge Base, Terms of Service, the Resolver Support site, and current version number by clicking the  icon; and
 - The name of the currently logged in user, the My Tasks page, and the logout function by clicking the  icon.
- Through the new navigation bar (nav bar), the homepage (My Tasks) and any applications you have permission to view are available through a dropdown menu. Once an application is selected, you can quickly move through activities using the new tabs.



- When working in any of the administrative settings, the nav bar dropdown menu provides a link to the Admin page (Admin Overview) as well as the groups of the settings available (Data Model, Views, People, Application Management, Tools, and Other). When an individual setting or group is selected, the other settings in that group are available through tabs. To return to the home page, click the Resolver or custom logo.



- A refined design for Impersonation Mode that aligns with the new UI.



Assessment Workflows

Because an assessment object’s process often differs by each application (e.g. Audit versus ERM), administrators can now tailor the workflows of dimension object types, allowing you to configure or create new workflows for the same objects types across multiple applications and assessments. These settings are available from the Workflow tab on the Edit Assessment page.

Assessment Reference Data

When an object in an assessment is flagged as reference data, it prevents additional instances of that object from being created at the launch of an assessment, avoiding data bloat while providing better organization of the data. Examples of reference data includes legislation, business units, locations, products, or objectives. Object types are flagged in assessments by toggling them on or off in the new Workflow settings of the assessment. When toggled off, you can display the assessment object through the Reference element on a configurable form.

OverviewWorkflowFields (0)Formulas (1)Relationships (2)References (1)Roles (0)

Object TypeAssessment Data

Control Assessment (Assessment)

Process (Focus)

Control and location

Quarterly Control Assessment 2

When toggled on, assessment data means that new assessment instances will be created for each object of that object type, whereas when it is toggled off it only shows a reference to the Library object.

Process (Library)

Control and location (Library)

Quarterly Control Assessment (Library)

CONFIGURE

CONFIGURE

NEW

Intuitive Grouping

The intuitive grouping of assessment instances by the originating assessment in search, scoping, and relationships help users visualize how objects change over time.

RESOLVER

Retain

Applications

ExploreSearch Results

Current Search Parameters: Object Types: Risk; Keywords: Retain

Back to Grouped Results

Filters

By Name

By Assessment Type

By Dimension

R-17 INABILITY TO RETAIN TALENT

Library RISK ASSESSMENT

PAST ASSESSMENTS

R-17.1 Risk and Control Self Assessment2018 - Q1BUSINESS UNIT 1RISK ASSESSMENT

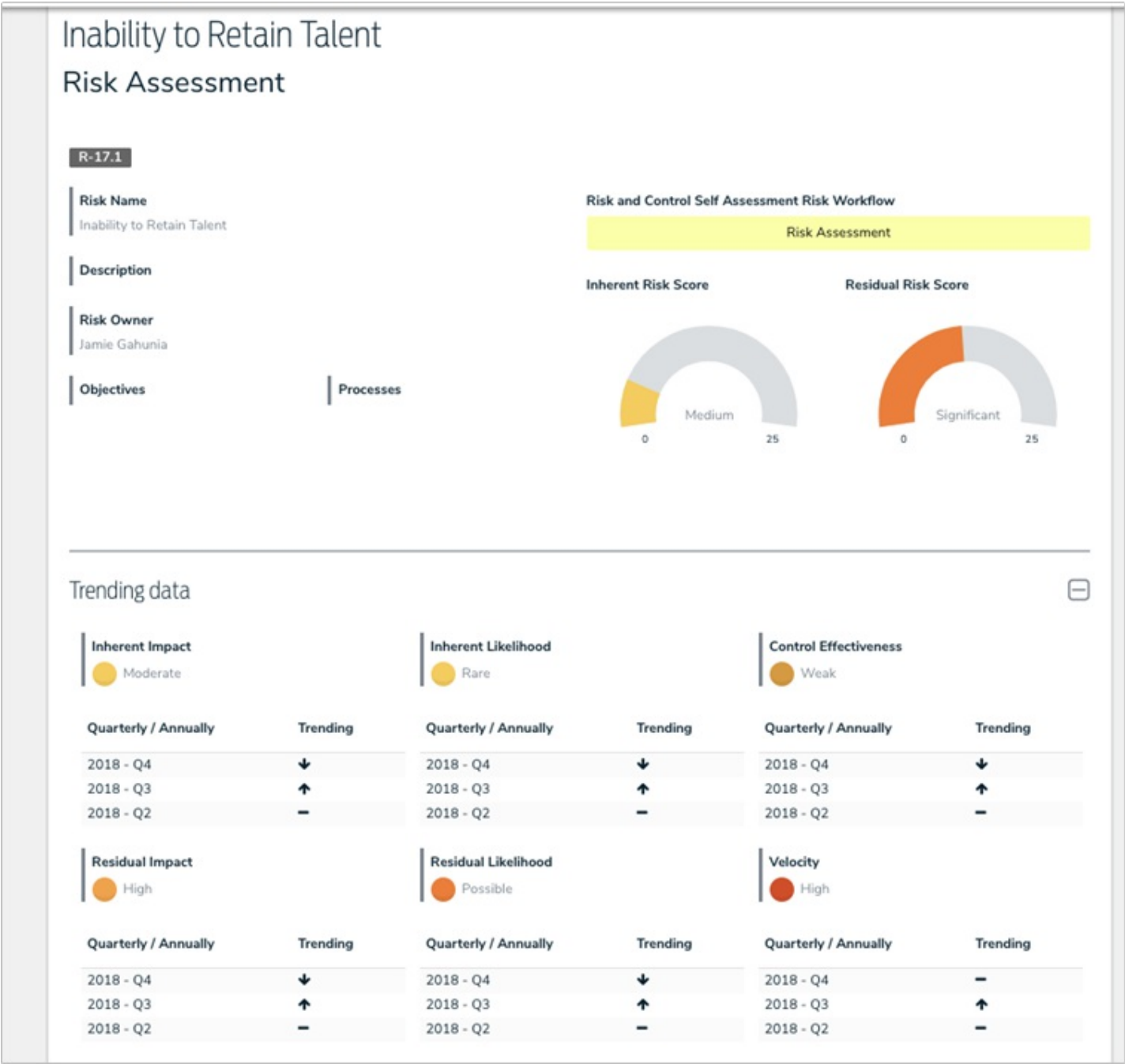
R-17.4 Risk and Control Self Assessment2018 - Q4BUSINESS UNIT 1NOT STARTED

R-17.2 Risk and Control Self Assessment2018 - Q2BUSINESS UNIT 1NOT STARTED

Intuitive Display

61

The intuitive display feature on assessments allows users to view past assessment results while reviewing objects and instances. Past assessments are displayed through the Assessment Table option for form elements. If the past assessments contain numeric values, they can be used to display whether the data is trending upwards or downwards.



Assessment Scoping

After an assessment (e.g. Risk, Audit, or Quarterly Control) is created, users can search, explore, and filter data via the new scoping tool, which is accessed through the new scoping form action. The ability to explore permissioned data helps users draw connections between data across an organization so that testing can be done in sync and makes it easy to include data from previous assessments (e.g. relaunching an assessment from a previous quarter or leveraging another team’s conclusions).

RESOLVER

Risk Management

Identify Risks **Assess Risks** Issues and Actions Monitor Risks Reports Risk Library

QUARTERLY RISK ASSESSMENT

Q3 2017 Toronto [EDIT ASSESSMENT DETAILS](#)

Add a focus Process to your assessment from the list below. If it's necessary, you can add multiple Processes to focus on. You'll be able to review and perform more granular scoping before you confirm the scope of your assessment.

Filters applied Location Toronto

Filter Processes

- By Name
- By Assessment Type
- Dimension Type
 - Location
 - Toronto
- By Description
- By Workflow State
- By Risk Rating
- By Inherent Risk
- By Residual Risk

P-1 Bank Account Management and Reconciliation
Bank Account Management and Reconciliation

Library In Progress PAST ASSESSMENTS

Quarterly Risk Assessment Q3 2017 Toronto Complete [+ ADD TO SCOPE](#)

Quarterly Risk Assessment Q1 2017 Toronto Complete [+ ADD TO SCOPE](#)

CSA 2017 Toronto Complete [+ ADD TO SCOPE](#)

P-2 Cash Management, Treasury, Cash Disbursement (Incl Cash flow, Reconciliation)
Cash Management, Treasury, Cash Disbursement (Incl Cash flow, Reconciliation)

Library In Progress PAST ASSESSMENTS Not Available

P-3 Debt and Interest Expense/Manage Cash Flow/Treasury
Debt and Interest Expense/Manage Cash Flow/Treasury

Library In Progress PAST ASSESSMENTS [+ ADD TO SCOPE](#)

P-4 Foreign Exchange Risk (Hedging and Currency Translation)
Foreign Exchange Risk (Hedging and Currency Translation)

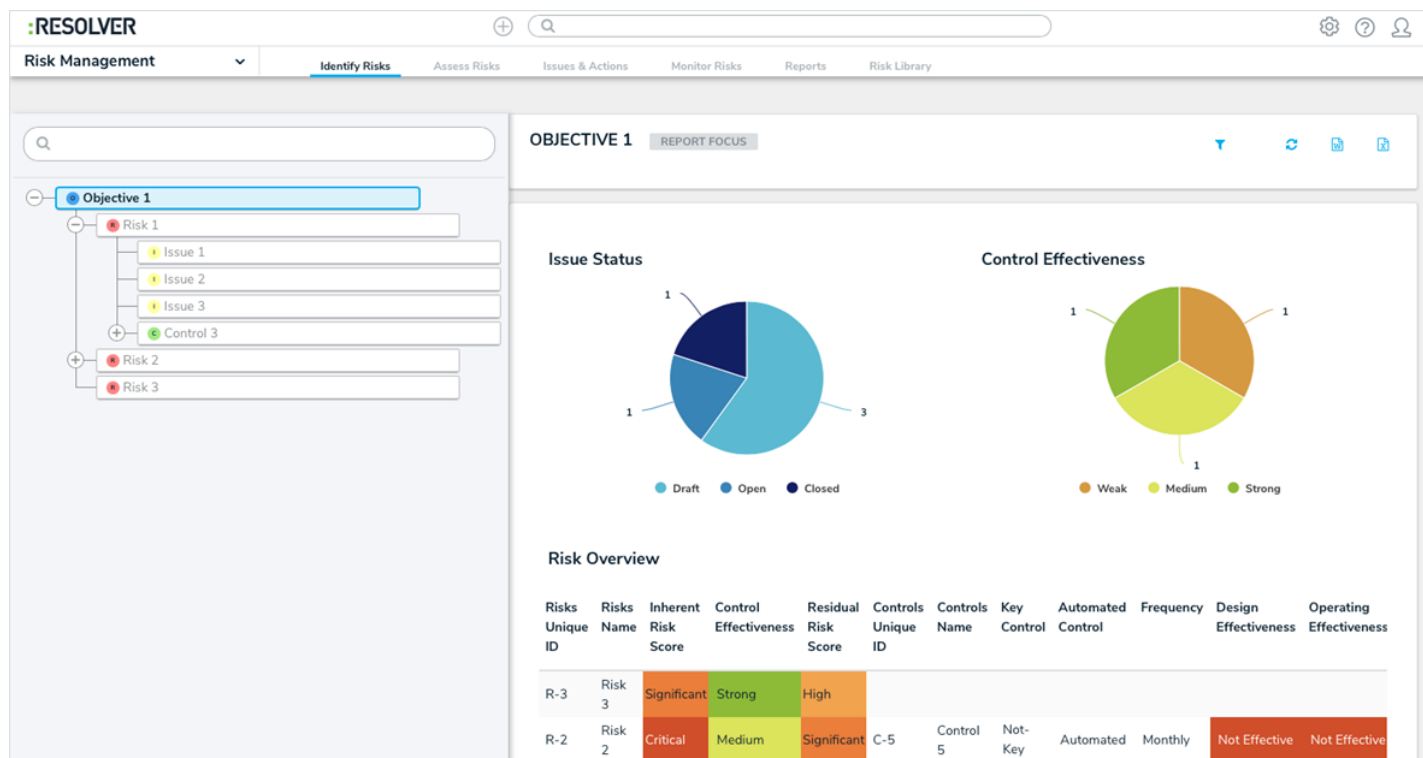
Library In Progress PAST ASSESSMENTS [+ ADD TO SCOPE](#)

There are currently 0 objects added and ready for review

Navigation Form (Tree Browsing)

The Navigation Form is a new form type that provides additional context for users viewing and working with data that's related to their current tasks. When this form type is created, administrators select a data definition and a form or report to display for the object and their states. When a user is viewing the form, each object type in the data definition is represented as a tree with expandable nodes. Clicking an object type will display the administrator-defined form or report.

Because this form is based on a chosen data definition, the same data can be displayed in another navigation form, but with different starting (anchor) points. For example, in the screenshot below, the Objective object type is the anchor and Control objects are available through the data path (tree). If an administrator wanted to create a form with the Control object type as the anchor to view all related risks and issues, those same Objective objects from the original form could still be accessible through its relationships or references to Control.



Workflow Orchestration

Using the new Send Orchestration Event workflow action and Consume Orchestration Event trigger, an orchestration event moves multiple objects from different object types into other states at the same time. For example, when the Send Orchestration Event action is added to the Audit object type, closing an Audit object will also close all open Issue objects. Once the action is created (e.g. on the Audit object type), it's added to all other relevant object types' workflows (e.g. Issues) through the orchestration event trigger. The object types this action can be added to is determined by the data definition selected when the action is created.

Workflow Actions

In addition to the Send Orchestration Event action, workflows now have the following new transition actions available, including:

- **Clear Fields/Roles/Relationships:** Clears the values from selected fields, roles, or relationships on a form. These actions are helpful when users want to relaunch an assessment, but don't want to manually clear previous assessment data. Note that you cannot use this action to clear formula data.
- **Set Field Data:** Auto-completes a Date & Time field saved on the object type based on the date the object transitioned to the next state. Administrators can choose to auto-populate the current date, the current date plus a selected number of days, or the current date less a selected number of days. This action could be used to set time stamps for start or completion dates on assessments, set deadlines, extend deadlines, etc.

Auto-Created Workflows & State Categories

Each new object type is now created with a default workflow that includes the following states:

- Creation
- Draft
- Active
- Archived

These states, except Creation, can be edited and deleted as needed.

Workflow State Categories

The ability to categorize workflow states will enable CORE to do the following in future releases:

- Create the ability to remove archived data from across the app.
- Provide an accurate progress indicator.
- Create visual representations of completion on the new tree visualization in the Navigation form.

Hyperlink Field

The Attachment field type now allows users to upload files, files and links, or links only.

The screenshot shows a web interface for the 'Risk Library Workflow'. At the top, there is a teal header bar with the text 'Risk Assessment'. Below this, the section is titled 'Attachments.' and lists two items: 'Risk Assessment Procedure.xlsx' and 'Iso31000'. Each item has a small icon to its left, a pencil icon for editing, and an 'x' icon for removal. Below the list is a large dashed rectangular box containing the text 'Drag files here or click to select...' and 'or' followed by 'Click to add a web link to a file...'.

Report Parameters & Filters

- Administrators can now add parameters to the table report component when the anchor object type is selected from the data series.
- Users can now filter report data using Date & Time fields.

Search

- The search function has been simplified to display results as groups or as detailed results. When viewed as detailed results, filters can be applied to further refine the data.
- The Past Assessment feature displays any related assessments on individual search results as clickable links.
- Users can filter search results by assessment type or dimensions.

Miscellaneous

- Heat maps displaying more than 10 objects indicate the actual number of objects (versus the previous "10+").
- The Swagger API documentation page now contains a search bar.

- The Create option is now available for relationship and reference tables viewed in a palette.
- Administrators can set references as required fields on workflow states.
- The Export Organization and Import Organization functions in Org Manager are now separated into tabs.
- Improved the overall stability of the Org Manager.

Introduction Overview

Resolver Core is a cloud-based system that helps you quickly and easily to record, track, report, and manage information. Core is completely configurable, which allows you to create custom applications, along with custom forms, fields, workflows, reports, and more to ensure that the needs of your organization and industry are met as you collect and analyze data.

Submit Your Ideas: The Resolver Idea Portal

If you have an idea for a new feature or improvement for our products, we want to hear from you!

Through our Idea Portal, customers can submit ideas for enhancements, vote on other customers' ideas to help get them on our product roadmap, post comments, and much more!

For a brief introduction to this tool and how to use it, check out the short video below. To start sharing and voting on ideas, sign into the [Ideas for Resolver](#) site. If you need help signing in or creating an account, contact our [Support team](#).

System Requirements

Resolver Core and its apps run on the latest versions the following Internet browsers:

- The latest version of Google Chrome; or
- Microsoft Edge (recommended) or Internet Explorer 11.

Visit the links below to download Chrome, Edge, or Internet Explorer 11 and to ensure your computer meets the minimum system requirements.

- [Download and install Chrome](#) – Google Chrome Help
- [Download Microsoft Edge](#) – Microsoft Download Center
- [Download Internet Explorer 11](#) – Microsoft Download Center

Data Region

You can review the geographical region where your organization's data is being stored from the login screen or by clicking the  icon in the top bar.

Your organization's data region is selected upon implementation. Contact [Resolver Support](#) should you require additional information.

 Login

Email Address

 user@domain.com

Password

 Password

CHANGE PASSWORD

LOGIN

 Your data is currently being stored in Canada

Data region information on the login screen.



Help

Terms of Service

Support

v2.5.0-build-rc.3

Data Region:
 CAN

Data region information in the top bar.

Who Should Use This Guide

This guide is for users operating Core with administrative rights enabled. Note, however, that your account may not have access to some or all the features or settings discussed in this guide.

Important Notes About This Guide

This guide is designed to help administrators learn the concepts behind Core's features and how to edit its settings and functions, however, depending on your app and the settings applied to your profile, **you may not be able to edit some or all the settings and features referenced in this guide.**

Additionally, the screenshots used and the applications, object types, and other elements referred to are not specific to a particular Core application, so your version of the user interface may differ.

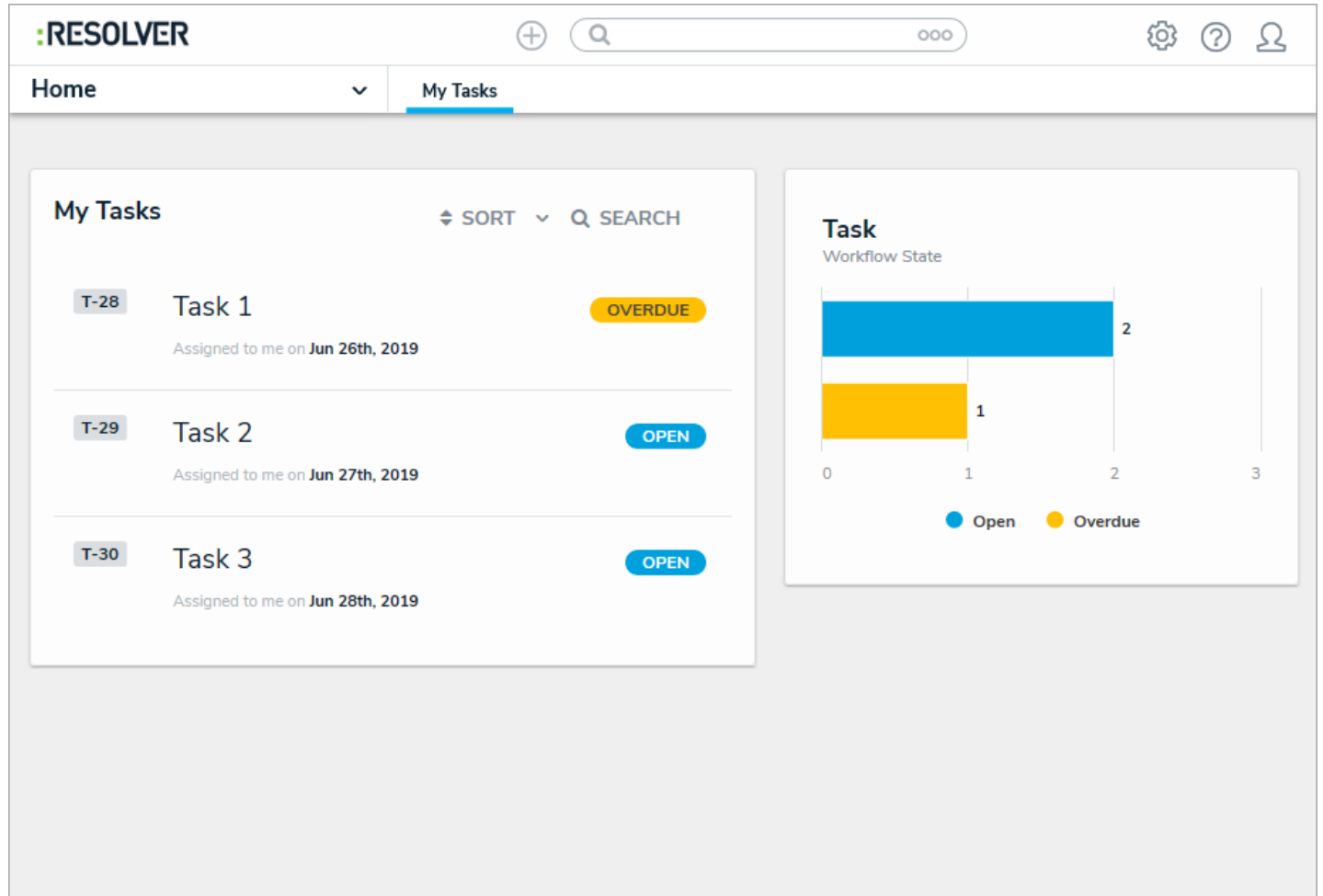
Notes, Tips & Warnings

Throughout this guide, you'll see the following symbols:

	Indicates a NOTE .
	Indicates a TIP .
	Indicates a WARNING .

My Tasks

My Tasks is a tab in the nav bar that displays a list of existing objects that have been assigned to the user who is currently logged in. By default, the **My Tasks** tab is displayed as the landing page whenever you're working in the **Home** area of your organization (upon login, after clicking the company logo in the top-left of the page, or selecting **Home** from the nav bar dropdown menu). Any [starred reports](#), including those that may have been flagged as the landing page, will always appear beside the **My Tasks** tab in the nav bar.



The My Tasks page.

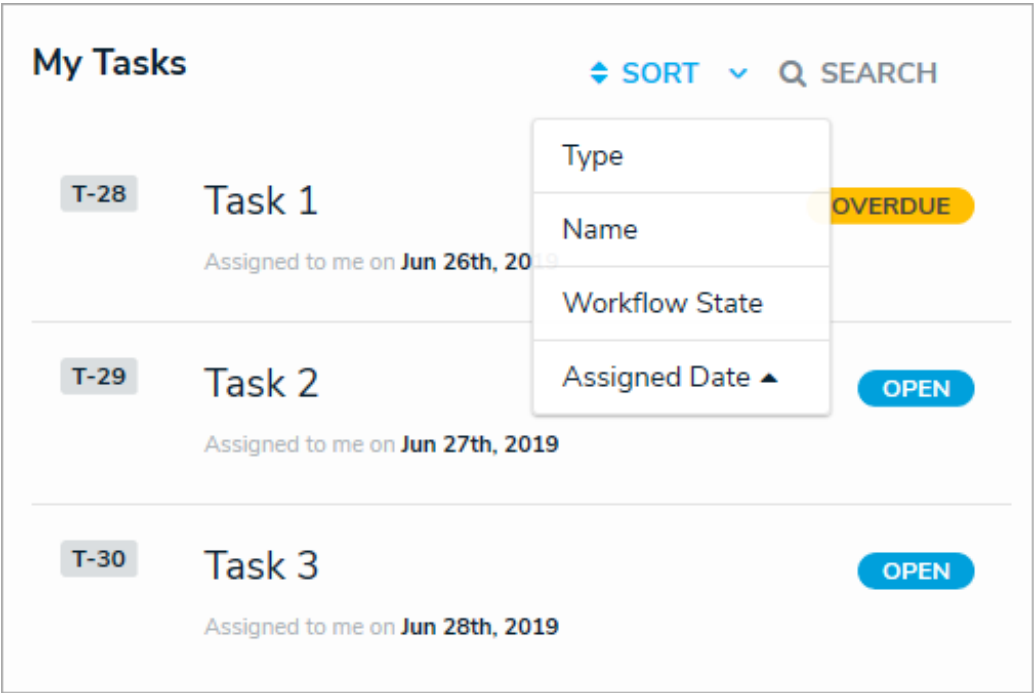
You can access this page at any time by clicking the Resolver logo (or your company logo, if configured) in the top-left corner of any page or by clicking **My Tasks** in the nav bar while working in an application or activity. Note that if you're working in the [Admin settings](#) you will need to click the logo to return to the My Tasks page.

Objects can be viewed by clicking on them, but they won't appear in your tasks unless the **Assign** option has been enabled on one or more states in your role's [workflow permissions](#) for an object type. Additionally, the object must currently be in the state selected in the workflow permissions before it will appear in your tasks or on the charts. Edit, manage, and delete rights are configured through your role's workflow permissions, as is the form that's displayed when the object is viewed.

To arrange how the objects appear on the page, click **Sort**, then select one of the following options:

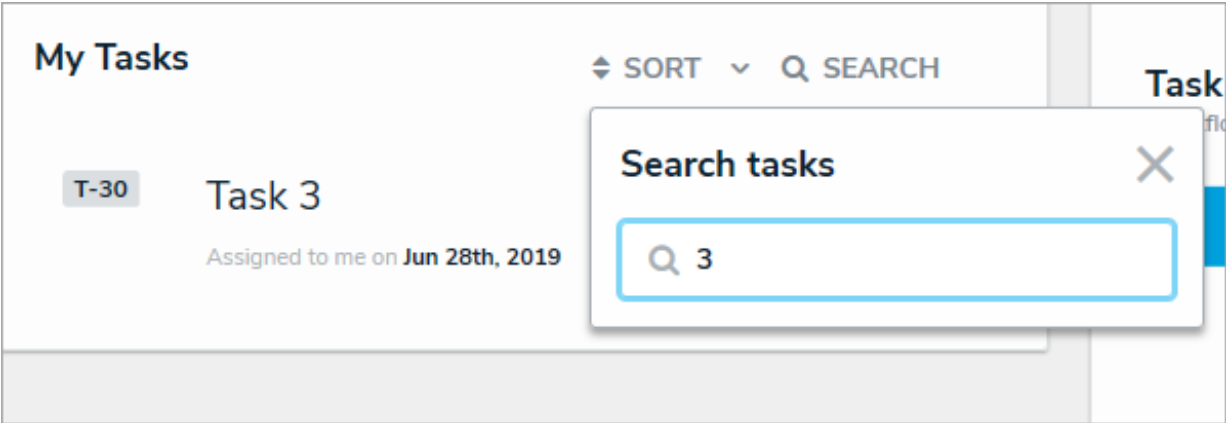
- **Type:** Sorts the assigned objects by [object type](#) name.
- **Name:** Sorts the assigned objects by [name property](#).
- **Workflow State:** Sorts the assigned objects by their current [workflow states](#).
- **Assigned Date:** Sorts the assigned objects by the date they were assigned to you.

By default, clicking an option will sort the objects in ascending order (alphabetically or by newest date first). Clicking the option again will sort the objects in descending order.



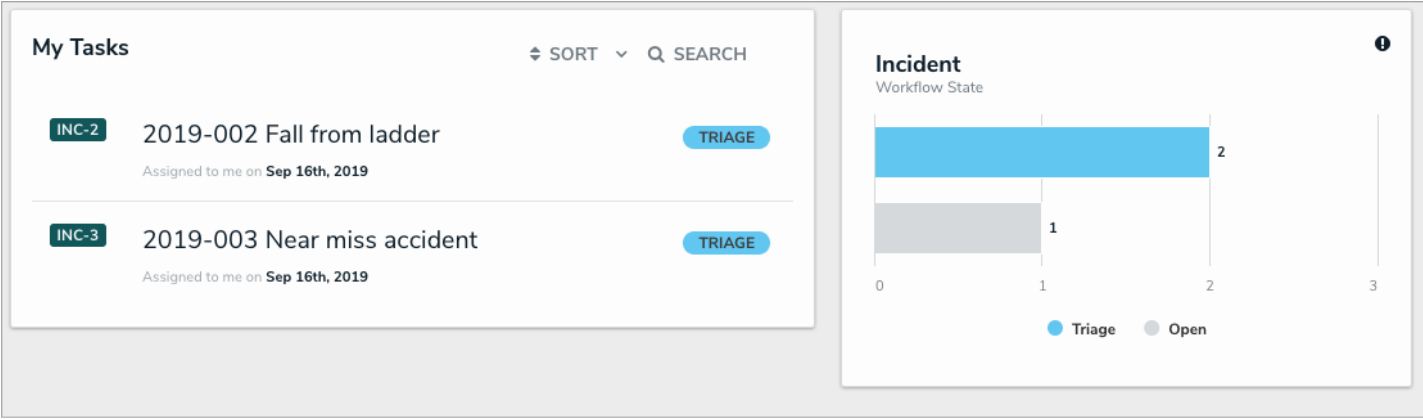
The sort option on the My Tasks page.

You can narrow down which objects are displayed by entering keywords from one or more object names. To once again view all the objects, click **Search**, then use **Backspace** on your keyboard to delete any search terms.



Clicking Search then entering keywords from an object's name will narrow down which objects are displayed.

The charts to the right of the **My Tasks** section on this page outline the number of objects assigned to you and their current [workflow states](#). To filter your task objects by their current state, click a state in the bar chart. To remove this filter, click the state again.

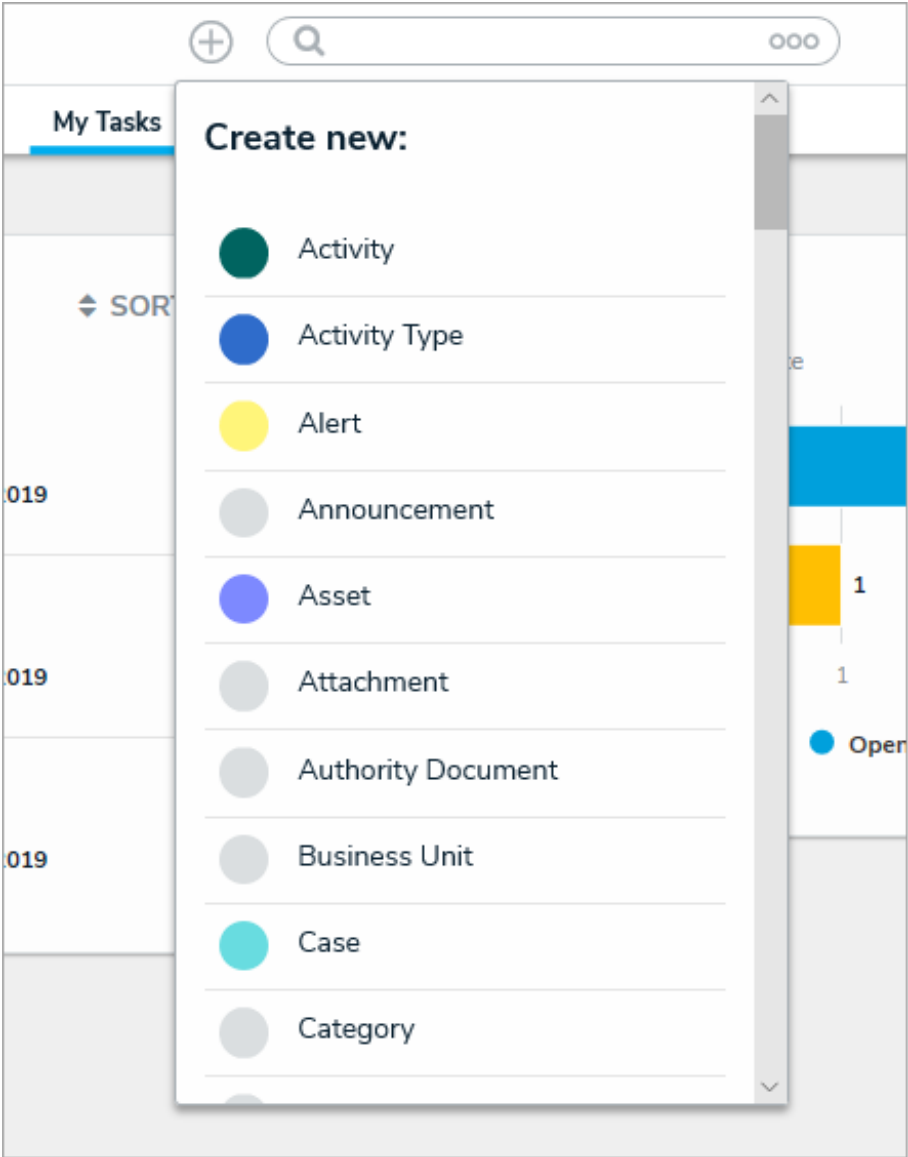


Tasks filtered by their current workflow state.

Quick Add

You can create new objects outside of an [action](#) by using the **Quick Add** feature. The object types displayed in **Quick Add** are determined by the object types added to your role that also have [Create permissions](#) enabled.

This feature is available on any page through the top bar and can be accessed by clicking the  icon, then selecting the applicable object type from the dropdown menu. The form displayed on each object type in Quick Add is selected in your role's [workflow permissions](#) for the Creation state. If no form was selected, the object type's default form will be displayed.



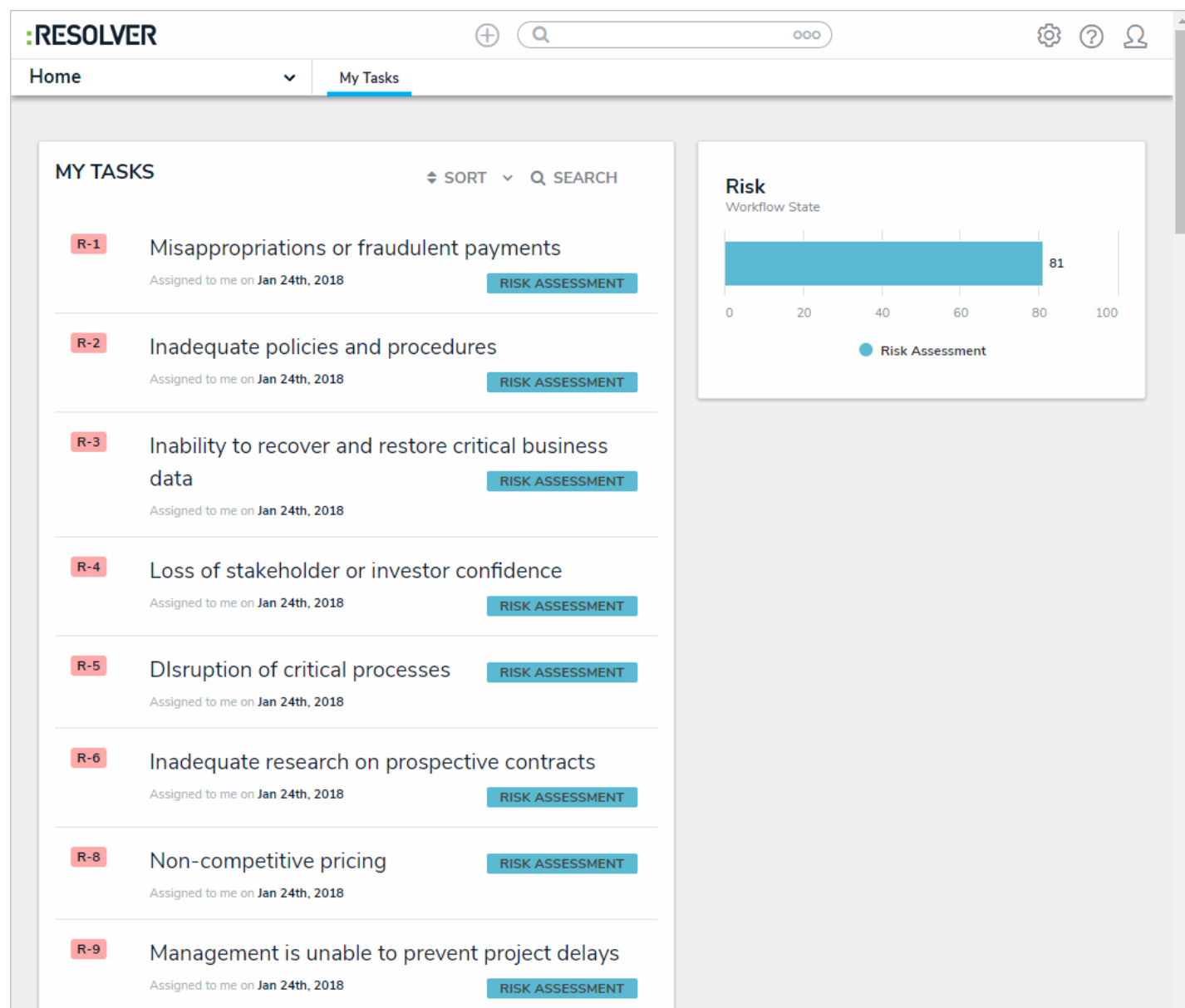
The Quick Add feature. The object types displayed in this dropdown menu are determined by your role's permissions.



Administrators have the option of showing or hiding this function on certain roles. As such, the **Quick Add** icon in the top bar of the application may be hidden for some users. See the [Advanced Options on Roles](#) article more for more information.

User Interface

By default, the Core homepage displays the [My Tasks](#) tab, which shows existing objects that require your attention. If any reports have been [starred](#), they will appear beside the **My Tasks** tab. The column chart to the right of your tasks is summary of the current [workflow states](#) of those objects. At the top of each page is the **top bar** and **nav bar**.



The home page, displaying My Tasks.

Top Bar

The following components are in the **top bar** on every page:



The top bar, which is displayed on every page.

1. **Resolver or custom company logo:** Clicking the logo will return you to the **My Tasks** page or a [starred report](#) you've flagged as your landing page.

- 2. **Quick Add:** Clicking the icon will open the [Quick Add](#) feature, which allows you to create objects outside of applications. This feature may be disabled by an administrator and may not be visible to certain roles.
- 3. **Search:** Enter keywords to search for objects by [keyword](#) within the organization. Clicking the  icon allows you to search by [object type](#). This feature may be disabled by an administrator and may not be visible to certain roles.
- 4. **Administration:** Clicking the  icon will display the [administrative options](#) . If you don't have admin privileges enabled, this icon will not be visible.
- 5. **Help:** Clicking the  icon displays links to the Resolver Knowledge Base, Terms of Service, and the Resolver Support site. Clicking this icon will also display your current version of Core, your organization's [data region](#) , and, if you're an administrator, a link to the [Resolver Idea Portal](#) . This icon may be disabled by an administrator and may not be visible to certain roles.
- 6. **User:** Clicking the  icon displays the name of the currently logged in user, as well as provides links to the **My Tasks** page and the **Logout** function.

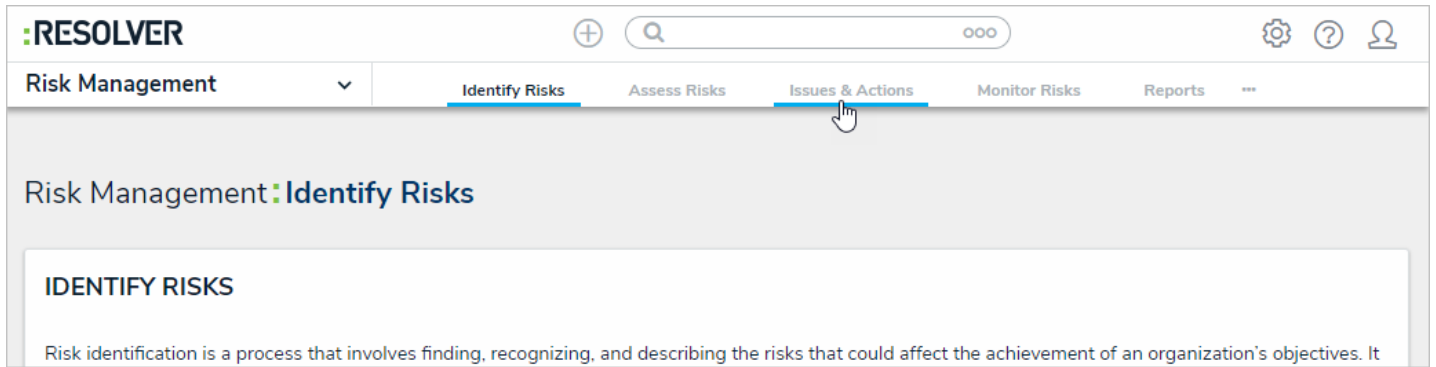
Nav Bar

The **nav bar** contains a dropdown menu that displays links to the home page and all the [applications](#) your [role](#) has permission to view (if any). When working in the **Home** area of your organization (after logging in, clicking the **Home** link in the dropdown, or clicking the company logo in the top left of any page), the **My Tasks** tab and any [starred reports](#) tabs appear in the nav bar.



The nav bar. The options in the dropdown menu change when working in the Admin settings.

Clicking the name of the application in the nav bar menu will display the application and its [activities](#) , which are displayed as clickable tabs. The tab for the first activity in the application is selected by default. To view more tabs (if any), click the  icon.



The nav bar displaying the activities in a selected application. Applications are selected from the dropdown menu to the left and activities are opened by clicking the tabs.



Clicking an activity tab displays the landing page for the activity and not the last object or report you may have been working with.



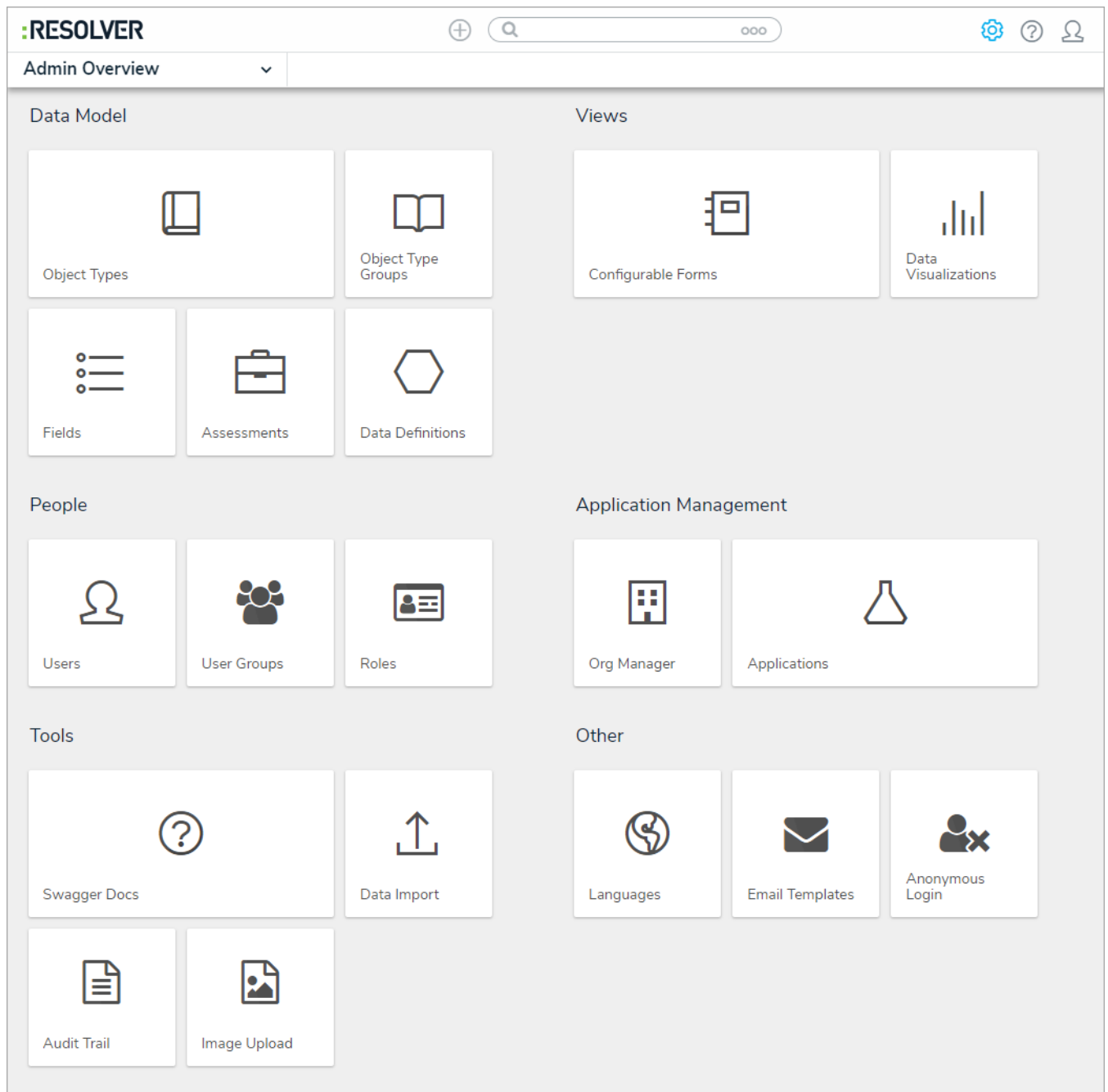
The options in the nav bar change if you're viewing the administrative settings. See [Admin User Interface](#) for more information.

Admin User Interface

Users with administrative rights enabled in their [profiles](#) can access the **Admin** page by clicking the  icon in the [top bar](#) on any page. If you don't have administrative access enabled, this icon will not be visible.

The administrative settings are available in the following groups:

- **Data Model:** Settings for object types, object type groups, fields, assessments, and data definitions.
- **Views:** Settings for configurable forms and data visualizations.
- **People:** Settings for users, user groups, and roles.
- **Application Management:** Settings for the Org Manager and applications.
- **Tools:** Swagger Docs (API) and the Data Import, Audit Trail, and Image Upload tools.
- **Others:** Settings for languages, email templates, and Anonymous Login.

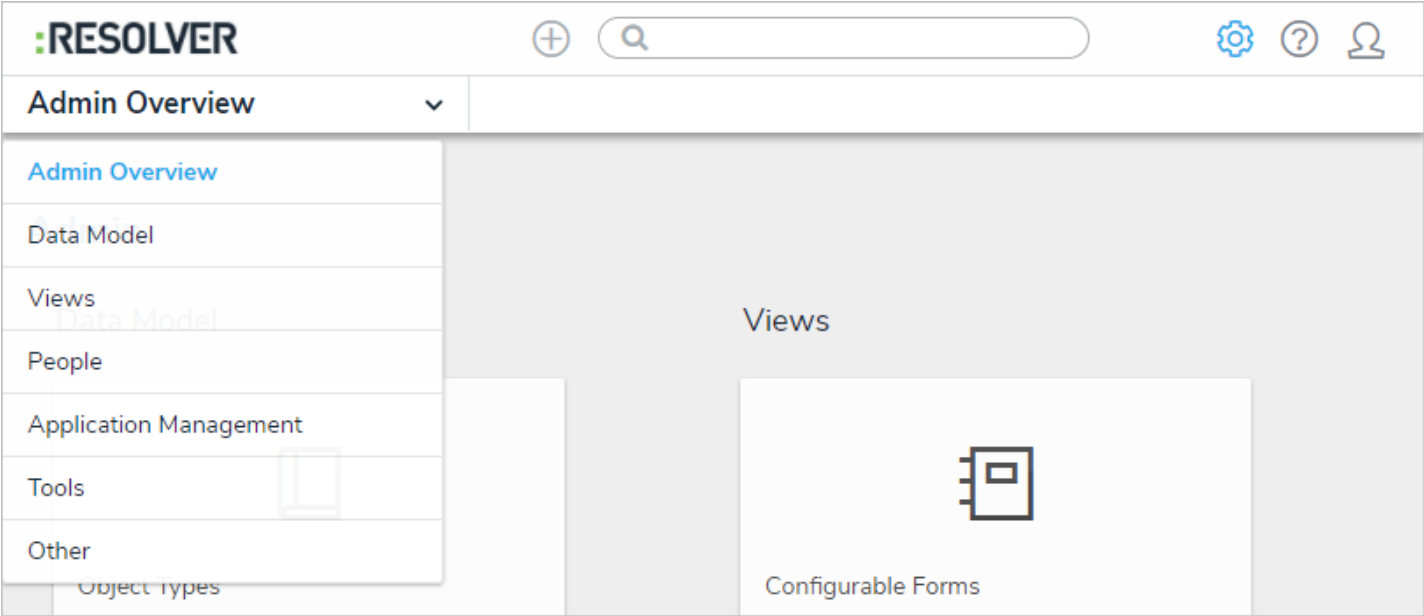


The Admin Overview page which can be accessed by clicking the gear icon.

Admin Nav Bar

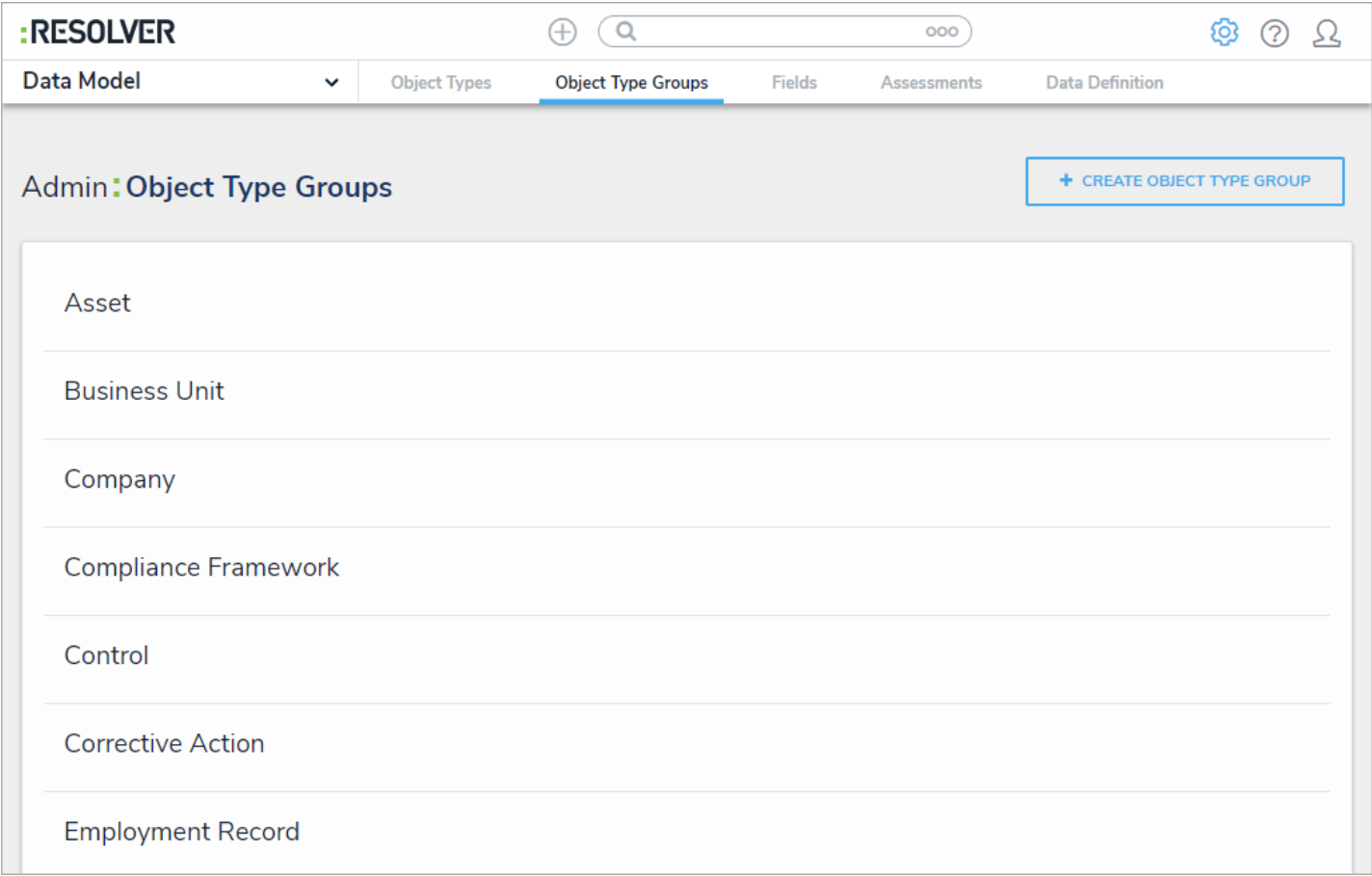


After clicking the  icon, the **nav bar** will no longer display any applications or activities you may have access to. Instead, it will display links to the setting groups (i.e. **Data Model**, **Views**, **People**, **Application Management**, **Tools**, and **Other**) and will continue to do so until you've navigated away from the admin settings.



The admin nav bar displaying the settings groups.

Clicking on an individual setting on the **Admin** page will display tabs for the other options in the settings group. For example, clicking **Object Type Groups** in the **Data Model** section will display the object type groups settings page, as well as tabs for all the settings available in that group (i.e. **Object Types**, **Object Type Groups**, **Fields**, **Assessments**, and **Data Definitions**).



Tabs in the admin nav bar displaying tabs for the available settings in the Data Model group.

Clicking on a settings group in the nav bar menu (e.g. **People**) will also display the tabs for the settings in the group. The tab for the first option in the group will be selected by default (e.g. **Users**).



Clicking on a tab will display the main page for the selected setting. For example, if you were working on the **Edit Object Type** page for the Incident object type, then you clicked the **Fields** tab, clicking the **Object Types** tab again will display the **Object Types** settings page, not the **Edit Object Type** page for Incident.



To return to the **Admin** page, click the

icon in the top bar of any page or select **Admin Overview** from the nav bar dropdown menu.

To return to the homepage and access the applications and activities you have permission to view, click the company logo in the top-left corner of any page.

Log In

If you're the primary administrator for your organization's account, Resolver will provide you with the URL and login credentials required to sign in, otherwise you'll receive an email with instructions on creating your password once another administrator creates a user account for you.

If you're using single sign-on authentication to log in see the [Single Sign-On \(SSO\)](#) section for more details.



The login screen indicates which country your data is currently being stored. See the [Data Region](#) article for more information.

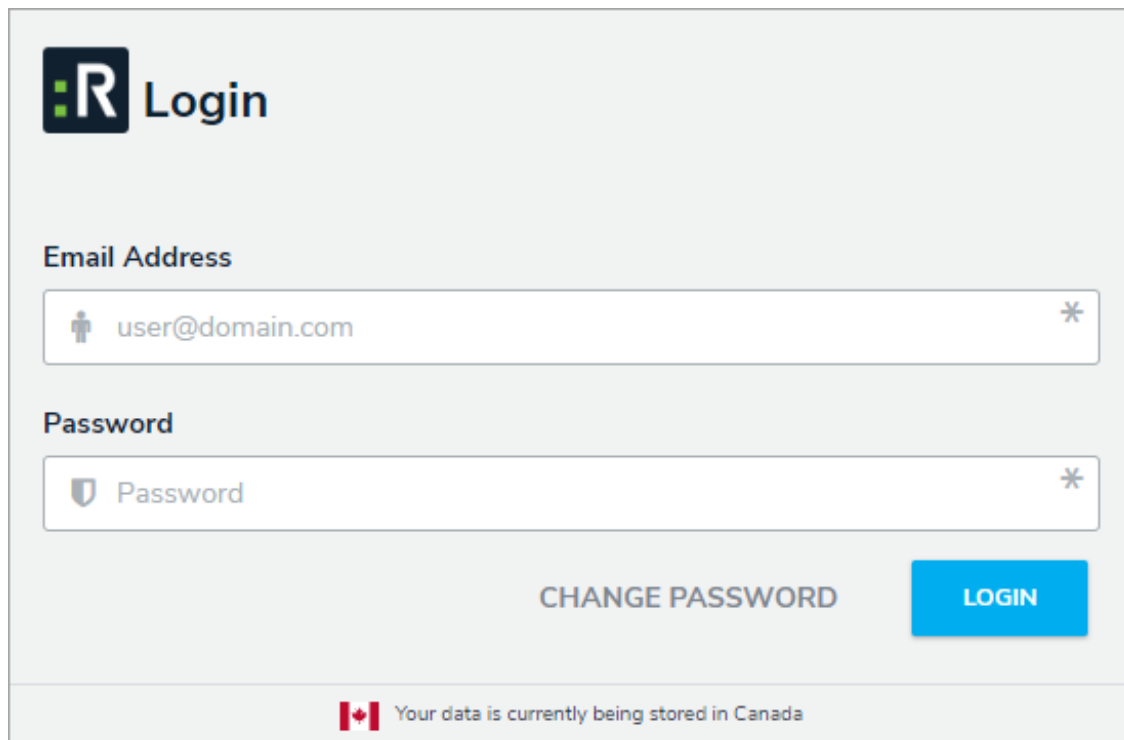
To log in:

1. Open the email sent to you from Resolver Core.
2. Click the **Create Password** link from within the email.
3. Enter your password in the **New Password** field. See the [Password Requirements](#) section for more information on the password conditions that must be met.
4. Click  **Show Password** to confirm the password entered is correct.
5. Click **Set Password**.
6. Review the **Terms of Service**, then click **Accept Terms**.



All new users must accept the **Terms of Service** before continuing.

7. From the screen confirming that your password was successfully created, click the **Log In** link.
8. Enter the email address that received the original email in the **Email Address** field.



R Login

Email Address

 user@domain.com *

Password

 Password *

CHANGE PASSWORD **LOGIN**

 Your data is currently being stored in Canada

The Login screen.

9. Enter your password in the **Password** field.
10. Click **Login** to be taken to the homepage.



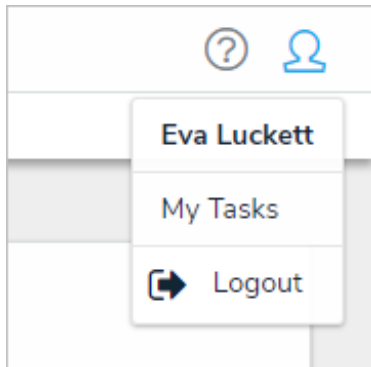
If your implementation includes multiple organizations, you must select the organization you'll be working in before the homepage is displayed.

Log Out

After 10 minutes of inactivity, you'll be prompted to refresh your session. If, after 5 minutes, you haven't refreshed the session, you'll be logged out automatically. Note that your administrator may have configured a different time limit before a session refresh is required.

To log out:

1. Click the  icon in the top-right corner of the nav bar.
2. Click **Logout**.



The logout option in the nav bar.

Multi-tenancy (Multiple Organizations)

If your implementation has access to more than one organization, you can select an organization after login. If you're already working in an organization but wish to access a different one, you must first [log out](#) then select the organization after once again [logging in](#) .

Enable SSO

Change the title to "Enable" instead of "Enabling" as we use active verbs instead of gerunds when providing instructions and not discussing general concepts. I know RV documentation uses gerunds, but I'd like to keep it consistent for products like Core.

Before [Resolver can enable](#) SSO on Core, your IT team should review the [SSO Technical Information](#) and [Frequently Asked Questions](#) to ensure that you have everything necessary for SSO to run.

Once the [technical requirements](#) have been confirmed, the Resolver Support team will provide assistance in configuring and enabling SSO. For best results, we test SSO on a Sandbox environment before rolling out the changes to your organization's Production environment.

To initiate this process, [submit a ticket](#) with the following information:

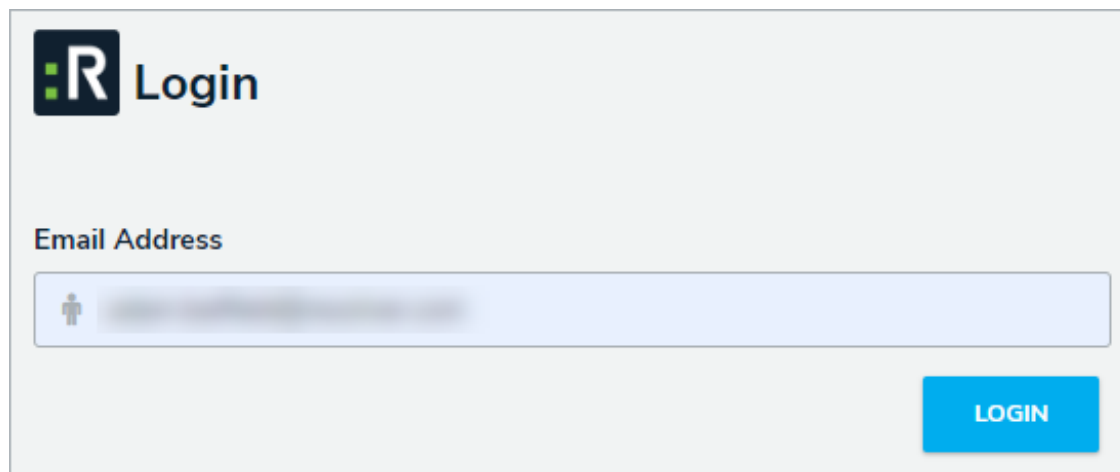
1. Your company name;
2. Your identity provider (OKTA, ADFS, etc.);
3. Your primary domain name;
4. Other domain names;
5. Contact details for relevant technical and business resources;
6. Identity provider metadata for testing; and
7. [Confirmation that you meet the technical requirements.](#)

Once the ticket has been submitted, a member of the Customer Support team will respond with the next steps.

Log In with SSO

If single sign-on (SSO) is enabled, entering your email address on the login page will redirect you to your identity provider, where you'll need to enter the login credentials configured for your SSO account. If you're logging in for the first time, you must accept the Terms of Service before you can successfully log in. *New users will not be required to create a password nor will they receive an email with a link to log in. As such, administrators should provide new users with the URL to access their organization.*

To log into Core using SSO, enter your email address, then press **Tab** on your keyboard to disable the **Password** field and complete the login process.

The screenshot shows a login interface for 'R'. At the top left is the 'R' logo, which consists of a dark blue square with a white 'R' and a small green square to its left. To the right of the logo is the word 'Login' in a dark blue sans-serif font. Below this, the text 'Email Address' is displayed in a dark blue font. Underneath is a light blue rectangular input field containing a small grey person icon on the left and a blurred email address. In the bottom right corner of the login area is a bright blue rectangular button with the word 'LOGIN' in white capital letters.

The login screen with SSO enabled.



This method will only work for a user who has SSO enabled. Admins are able to disable SSO for individual users.

Logging out will end your SSO session. Additionally, after 10 minutes of inactivity, you'll be prompted to refresh your session. If, after 5 minutes, you haven't refreshed the session, you'll be logged out automatically. Note that your administrator may have configured a different time limit before a session refresh is required.

SSO Technical Requirements

Before configuring Core SSO, the following requirements must be met:

1. A valid Identity Provider (IdP) must be configured with the SAML 2.0 Web Browser profile in accordance with the SAML 2.0 OASIS standard and must provide a valid IdP metadata file containing:
 - a. X509 RSA 2048 bits Public Certificate (RFC 5280) ().
 - b. **EntityId** ().
 - c. **SingleSignOnService** URL with HTTP Redirect Binding ().
 - d. **NameIDFormat** in `urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress` .
2. IdP must communicate using HTTP over TLS [RFC 2818].
3. A SHA-256 signature in the metadata, response, and/or assertion.

EXAMPLE

```
entityID="https://idp/saml/metadata/622342">
```

```
MIIEFzCCAv...
```

```
urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress
```

4. Certificates must have at least a three-year expiry and should be valid a minimum of 8 months before expiring.
5. The RCS profile requires at least the message or the assertion to be signed.
6. The username used for the assertion subject statement should be the user's primary email address.

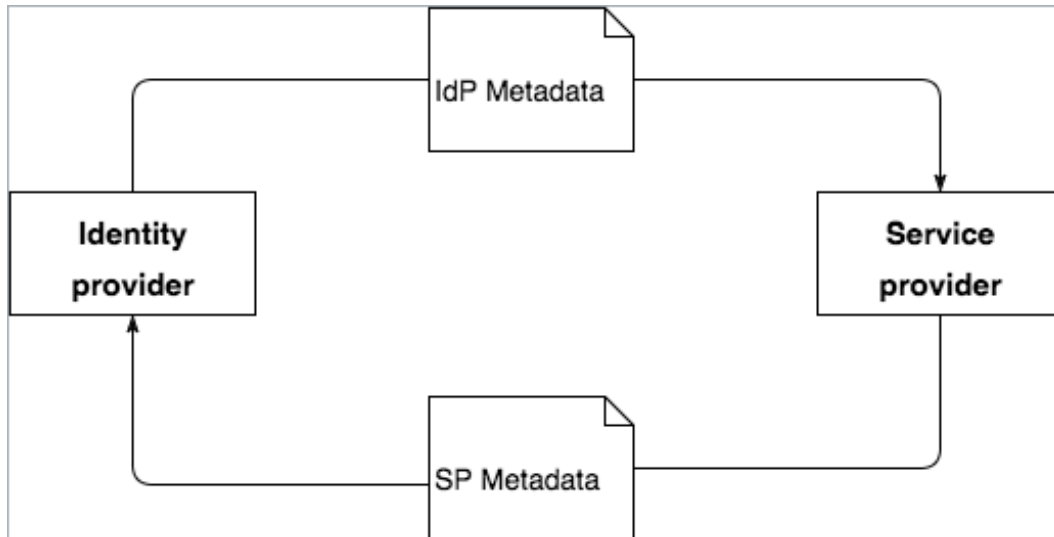


The username should be identical to the email address used to register the user in Core.

Resolver Core SAML Profile

The Resolver Core SAML Profile (RCS Profile) is an adoption of the SAML 2.0 Web Browser Profile (SAML2 Profiles). The RCS SAML Profile allows users the ability to authenticate with a federated identity into Core through SSO.

The RCS Profile is based on the trust created between the Identity Provider (IdP) and Core using the metadata exchange as shown in the flowchart below. The trust is stored in Core using the primary customer domain. Core identifies a user through their email address and the domain in the email address is used to confirm that the user authenticates via SSO.



A flowchart showing the high-level trust process during metadata exchange.

SAML Authentication Sequence

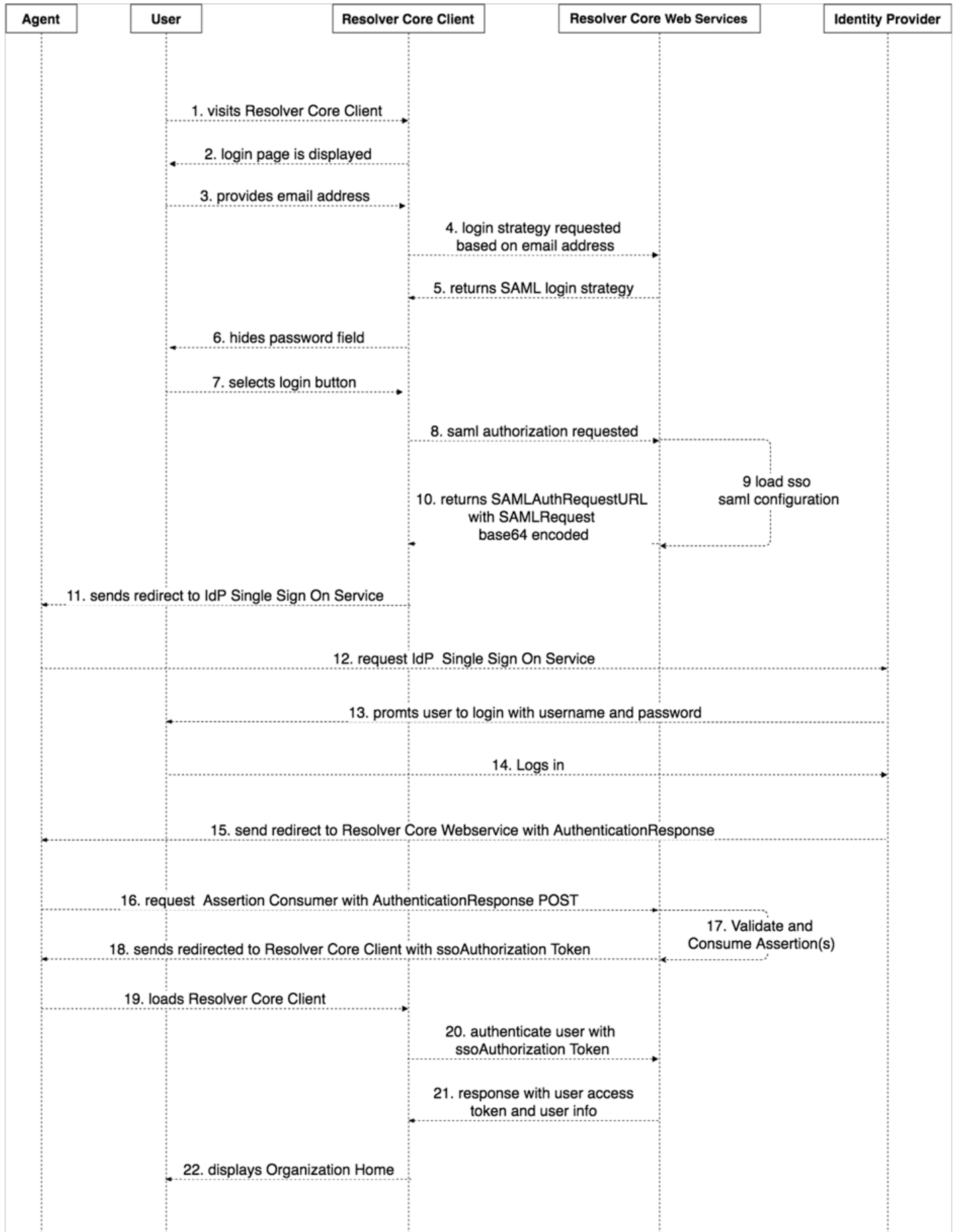
The roles in the below sequence include:

- **User:** Principal
- **Agent:** Web browser
- **Resolver Core Client (Client):** Web-based software GUI
- **Resolver Core Web Services (Web Services):** Service provider
- **Identity Provider (IdP):** ADFS, OneLogin, SiteMinder, CA, etc.

This sequence also assumes that:

1. The user exists in Core and is a member of at least one organization;
2. The user is not logged into Core;
3. SSO SAML configuration has been imported using the IdP metadata and the primary email domain name; and
4. The user is not logged into the IdP service.

SAML Sequence Diagram



A sequence diagram showing the typical flow of SAML SSO authentication in Core.

1. User visits the Core client.
2. Client displays the login page.
3. User enters their email address.
4. Client requests the authentication strategy using the provided email address. Web Services loads and asserts SSO SAML configuration using the domain of the domain of the email address.
5. Web Services returns the authentication strategy to the Core Client.
6. Client hides the password field and sets its state into SSO SAML authentication strategy.
7. User clicks Login.
8. Client requests an SSO SAML authorization using the provided email address.
9. Web Services loads the SSO SAML configurations using the domain of the email address. The service uses the configuration to create a **SAMLRequestAuthentication**. The **SAMLRequestAuthentication** is a SAML 2.0 protocol XSD XML digitally signed deflated Base 64 encoded string.
10. Web Services returns the request URL, which is the Single Sign On service URL with the **SAMLrequest** query **PARAM** containing the **SAMLRequestAuthentication**.
11. Client sends a redirect to the Agent with the **SAMLAAuthentication**.
12. Agent requests the SSO service with the **SAMLAAuthentication**.
13. IdP service prompts the User to authenticate with their username and password.
14. User logs in and authentication is successful.
15. IdP sends a redirect to the Agent with the **SAMLResponse**.
16. Agent redirects to the consumer service in Web Services with the **SAMLResponse**.
17. Consumer service in Web Services validates the response and assertion, then retrieves the user identity from the assertion. The identity is the email address of the user who just logged in into the IdP. Web Services validates if the user exists. If the user exists and is active, an **ssoAuthorization** token will be created. This token is used by the Client to authenticate the user in Web Services and to obtain an access token.
18. Web Services sends a redirect to the Agent with the **ssoAuthorization** token.
19. Agent loads the Core client.
20. Client authenticates the user into Web Services using the **ssoAuthorization** token.
21. Web Services validates the token and authenticates the user into the Web Services. The Web Services then returns the user information and access token to the Client. The **ssoAuthorization** token is invalidated.
22. Client displays the homepage of the organization.

SSO Frequently Asked Questions

General FAQs

Q: What value should the nameID be?

A: The user's primary email address. This email address must also be the same email address used when the user's account was created in Core.

Q: Is it possible to bypass SSO?

A: Yes. Users can be flagged to bypass the SSO authentication strategy, which then enables a user to login using the default username and password strategy.

Q: Is there multiple domain support?

A: Yes. Multiple domains can be configured for SSO (e.g. somedomain.com,somedomain.sub.com).

Q: Are there any other data items we can send in the SAML token, such as name, phone, country, location, etc?

A: No.

Q: Does Core support real-time new user provisioning based on SAML requests?

A: No.

ADFS FAQs

Q: We're using ADFS as the IdP. What claim should be configured?

A: Claims should be configured in the following way:

- **Claim Rule: Template:** "Send LDAP Attributes as Claims"
- **Attribute Store:** Active Directory
- **LDAP Attribute:** User Principal Name
- **Outgoing Claim Type:** Name ID

OKTA FAQs

Q: Where can I find the Single Sign On URL (ACS)?

A: The Single Sign On URL can be found in the SP metadata provided by Resolver for the specified environment. If you haven't received this information yet, [contact us](#).

Q: Where can I find the Recipient URL and Destination URL?

A: The Recipient and Destination URL can be the same as the Single Sign On URL, which can be found in the SP metadata. If you haven't received this information yet, [contact us](#).

Q: Where can I find the Audience URI?

A: The Audience URI or EntityID can be found in the SP metadata provided by Resolver for the specified environment. If you haven't received this information yet, [contact us](#).

OneLogin FAQs

Q: What value should the Audience be?

A: The Audience value should be the EntityID provided in the metadata (see [1](#)).

Q: What Value should the Recipient be?

A: The Audience value should also be the EntityID provided in the metadata.

Q: What value should the ACS be?

A: The ACS value should be provided in the the SP MetaData File (see [2](#)).

Q: What value should the Certificate be?

A: The Certificate is provided in the SP MetaData file (see [3](#) [4](#)).

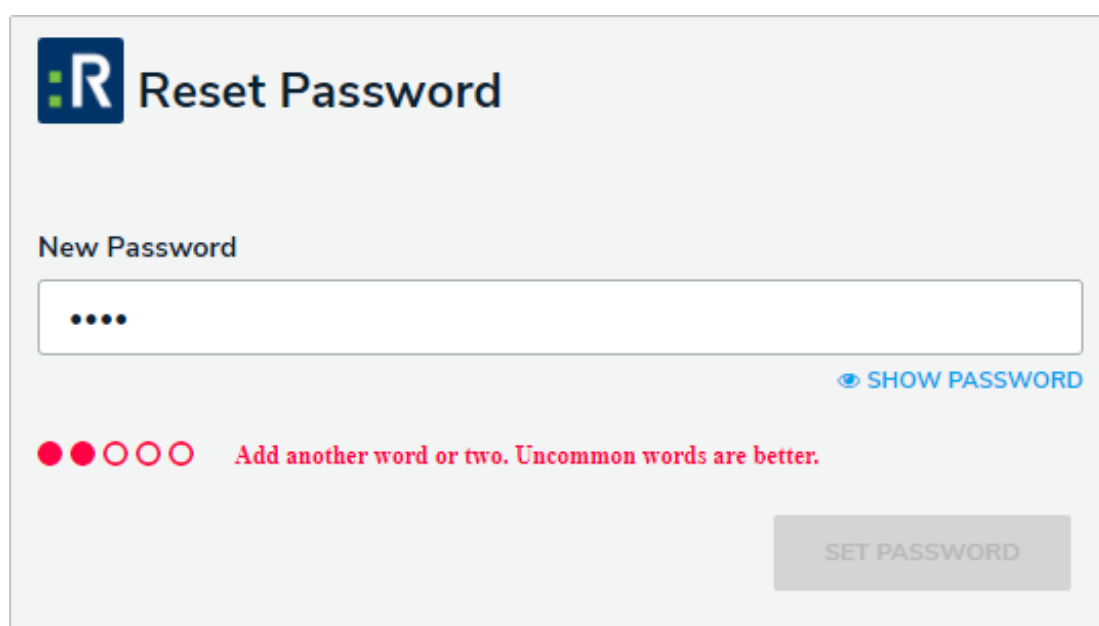
Password Requirements

Your password must contain at least 9 characters, which must include letters. Spaces are permitted.

The system uses a password strength estimator to judge the strength of your password and recognizes and weighs 30,000 common passwords, names, words, and patterns to ensure your password is as secure as possible.

When creating or resetting your password, a color-coded password strength indicator is displayed. If your password doesn't meet the minimum requirements, the indicator will include suggestions on how to bring your password up to the required level of security. Each color represents the following:

- **Red:** Your password does not meet any or most of the minimum requirements.
- **Yellow:** Your password does not meet some of the minimum requirements.
- **Green:** Your password meets the minimum requirements.
- **Blue:** Your password surpasses the minimum requirements.



The Reset Password screen. In this case, the password entered in the New Password field does not meet most of the minimum requirements.

By default, your password expires every 90 days. At the end of the 90-day period, you'll be prompted to change your password after a successful login. Your new password must meet the requirements outlined above. If you forget your password, you can send a reset link to your account email by clicking **Change Password** at the login screen.



You cannot reuse your current password when resetting it after expiry or resetting it via email. Also note that you must wait 15 minutes between password reset requests.

After 3 failed login attempts, you will be locked out of your account and you must wait 15 minutes before attempting to log in again.

Search for Objects

With the search tool, you can search your organization by keyword(s), object type(s), or both. When you search for individual object types, you're given additional options to refine the search results by name, description, unique ID, state, and other optional filters.

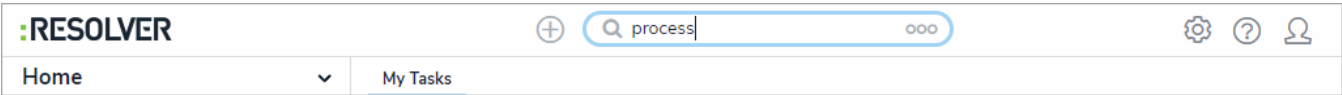


Administrators have the option of showing or hiding the **Search** function on certain roles. As such, the search field in the top bar of the application may be hidden for some users.

Search by Keyword

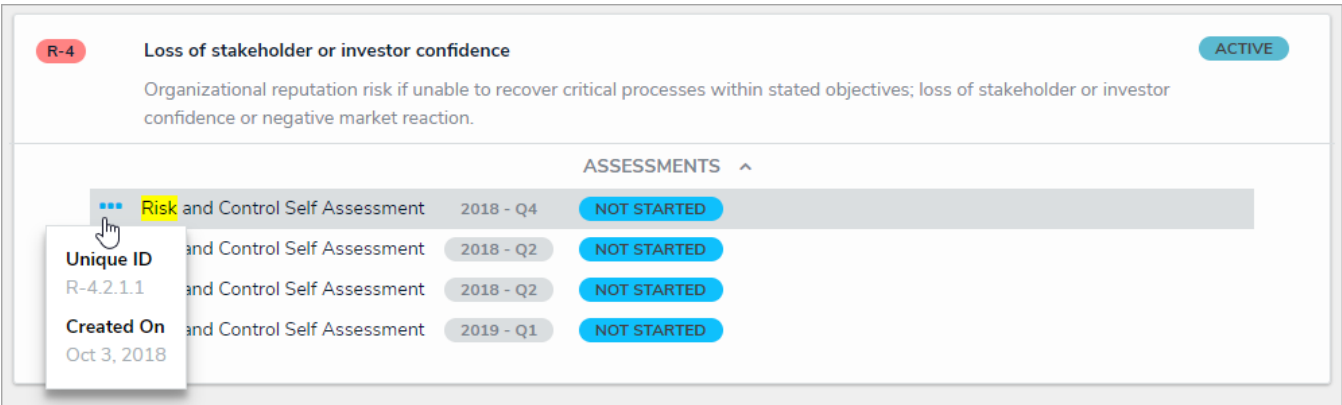
To search Core by keyword:

1. Click the search text field in the nav bar, enter the name of an object, then press **Enter** on your keyboard.



Entering keywords in the search bar.

2. Review the search results, which are organized by object name. The results also display the objects' unique IDs and current workflow state.
3. To view an individual object, click the area below the object's unique ID and name.
4. To view assessment **instances** of an object, click the **Assessments** link. To open the instance record, click it. Hovering your cursor over the ellipsis will display the instance's unique ID and the date it was created.



Search results displaying individual objects and their instances.



If an object has not been previously assessed, it will not have any instances and the **Assessments** link will be hidden by default.

5. To apply search filters:
 - a. Click **Go to Detailed Results** near the top the search results for each object type.

Risk

GO TO DETAILED RESULTS

R-5

Disruption of critical processes

ACTIVE

Inability to ensure continuous availability of critical business processes in the event of an interruption in business, resulting in the inability to provide complete and accurate information for the financial state...

ASSESSMENTS ▾

R-3

Inability to recover and restore critical business data

ACTIVE

Inability to recover and restore critical business data and business processes.

ASSESSMENTS ▾

Click Go to Detailed Results for filtering options.

- b. Use the filters in the **Filters** section to the left of the page to narrow down which objects are displayed. The following filters are available on this page for every object type:
- By Name
 - By Assessment Type
 - By Dimension
 - By Description
 - By Unique ID
 - By state
- c. Apply additional filters as needed. These additional filters are based on any plain text, select list, and multi-select fields added to the object type:
- If you're adding a select list or multi-select list filter, choose one or more options from the dropdown menu.
 - If you're adding a plain text filter, enter one keywords into the text box. All special characters, except the @ and ! symbols, will be ignored.

Explore: Search Results

Current Search Parameters: Object Types: Risk; Keywords: process

[Back to Grouped Results](#)

Filters

By Name

By Assessment Type

By Dimension

By Description

By Unique ID

By state

R-4 **Loss of stakeholder or investor confidence** **ACTIVE**

Organizational reputation risk if unable to recover critical processes within stated objectives; loss of stakeholder or investor confidence or negative market reaction.

ASSESSMENTS ▾

R-10 **Inadequate system development lifecycle documentation** **ACTIVE**

The organization's system development lifecycle documentation (SDLC) does not include security, availability and processing integrity requirements of the organizati...

ASSESSMENTS ▾

R-3 **Inability to recover and restore critical business data** **ACTIVE**

Inability to recover and restore critical business data and business processes.

ASSESSMENTS ▾

R-5 **Disruption of critical processes** **ACTIVE**

Inability to ensure continuous availability of critical business processes in the event of an interruption in business, resulting in the inability to provide complete and acc...

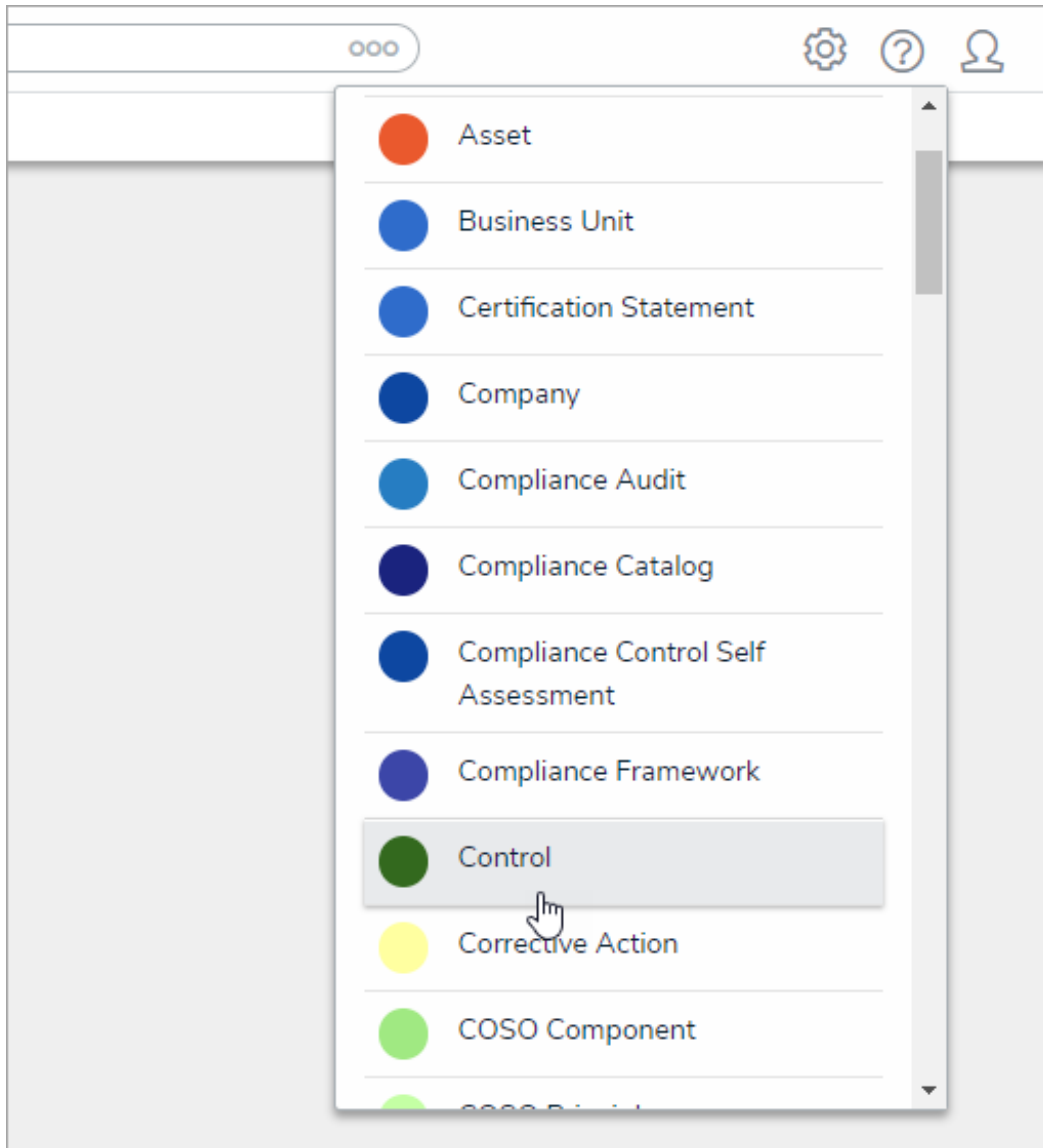
ASSESSMENTS ▾

Clicking *Go to Detailed Results* to view filter options to narrow down which objects are displayed in the results.

- Click an object to view it. To view instances of an object, if any, click the **Assessments** link, then click the instance to open it. If no instances exist, the **Assessments** link will be hidden.
- To return to the previous page, click **Back to Grouped Results**.

Search by Object Type

- Click the search text field in the nav bar, click the  icon to display the **Explore By** menu.
- Click an object type from the list to display its objects in the search results.



The Explore By menu. Clicking an object type in this menu will display search options.

3. From the **Search Results** page, use the filters in the **Filters** section to the left of the page to narrow down which objects are displayed. The following filters are available on this page for every object type:
 - By Name
 - By Assessment Type
 - By Dimension
 - By Description
 - By Unique ID
 - By state

Explore
Search Results

Current Search Parameters: Object Types: Control; Keywords: none

Filters

By Name

By Assessment Type

Select one...

By Dimension

Select one...

By Description

By Unique ID

By state

Select one...

By Key Control

Select one...

C-37

Personal information is relevant to the purposes for which it is to be used.

DRAFT

ASSESSMENTS ▾

C-5

Payments within accounts payable designated as blocked are not able to be processed.

DRAFT

ASSESSMENTS ▾

C-32

Post-implementation reviews are performed to verify that controls are operating effectively.

DRAFT

ASSESSMENTS ▾

C-38

The entity's privacy policies address the disclosure of personal information to third parties.

DRAFT

ASSESSMENTS ▾

C-30

Changes to specifications are approved by end-user management.

DRAFT

ASSESSMENTS ▾

C-46

Travel and entertainment expenses are audited or reviewed on a sample basis.

DRAFT

The Search Results page.

4. Apply additional filters as needed. These additional filters are based on any plain text, select list, and multi-select fields added to the object type:
 - If you're adding a select list or multi-select list filter, choose one or more options from the dropdown menu.
 - If you're adding a plain text filter, enter one keywords into the text box. All special characters, except the @ and ! symbols, will be ignored.
5. Click an object to view it. If the object was previously assessed, click the **Assessments** link to display instances of the object, then click the [instance](#) to view it.



If an object has not been previously assessed, it will not have any instances and the **Assessments** link will be hidden by default.

Numeric Searches

- Entering a number's full numeric term will return the exact result. For example, searching for "000000123" will return "000000123".
- If a number is separated by spaces, hyphens, parentheses, or other non-numeric or non-alphabetical characters, searching for a separated portion of that number will return applicable search results. For example, searching for "234" or "8910" will return "1 (234) 567-8910". Likewise, searching for "123" will return "123 456 789".
- Searching for a portion of a number that is **not** separated by non-numeric or non-alphabetical characters will not return any search results. For example, searching for "000000" will not return any search results, but searching for "000000123" will return "000000123".
- If a phrase contains a mix of numbers and words that are separated by spaces, hyphens, parentheses, or any other non-numeric or non-alphabetical characters, searching for a portion of that phrase will return applicable search results. For example, searching for "123" will return "Number 123."

Text Searches

- Text search terms must be in their complete forms to return results. For example, searching for “accident” will return “accident”, but searching for “Acc” will not return any results.
- If a word or phrase is separated by spaces, hyphens, parentheses, or other non-alphabetical or numeric characters, searching for a separated portion of that phrase will return applicable search results. For example, searching for “John” will return “John Doe.” Likewise, searching for “double” will return “double-check”.
- If a phrase contains a mix of words and numbers that are separated by spaces, hyphens parentheses, or any other non-alphabetical or non-numeric characters, searching for a portion of that phrase will return applicable search results. For example, searching for “Doe” will return “John Doe (555) 555-5555.”
- Searching for a root word will return that root word and its related forms. For example, searching for “accident” will return “accidental,” “accidentally,” “accidents,” etc.
- Search terms are not case-sensitive.
- Stop words (words that are considered unimportant by the search tool) are automatically removed from the search terms. Examples of stop words include:
 - “a”
 - "an"
 - "and"
 - "are"
 - "as"
 - "at"
 - "be"
 - "but"
 - "by"
 - "for"
 - "if"
 - "in"
 - "into"
 - "is"
 - "it"
 - "no"
 - "not"
 - "of"
 - "on"
 - "or"
 - "such"
 - "that"
 - "the"
 - "their"
 - "then"

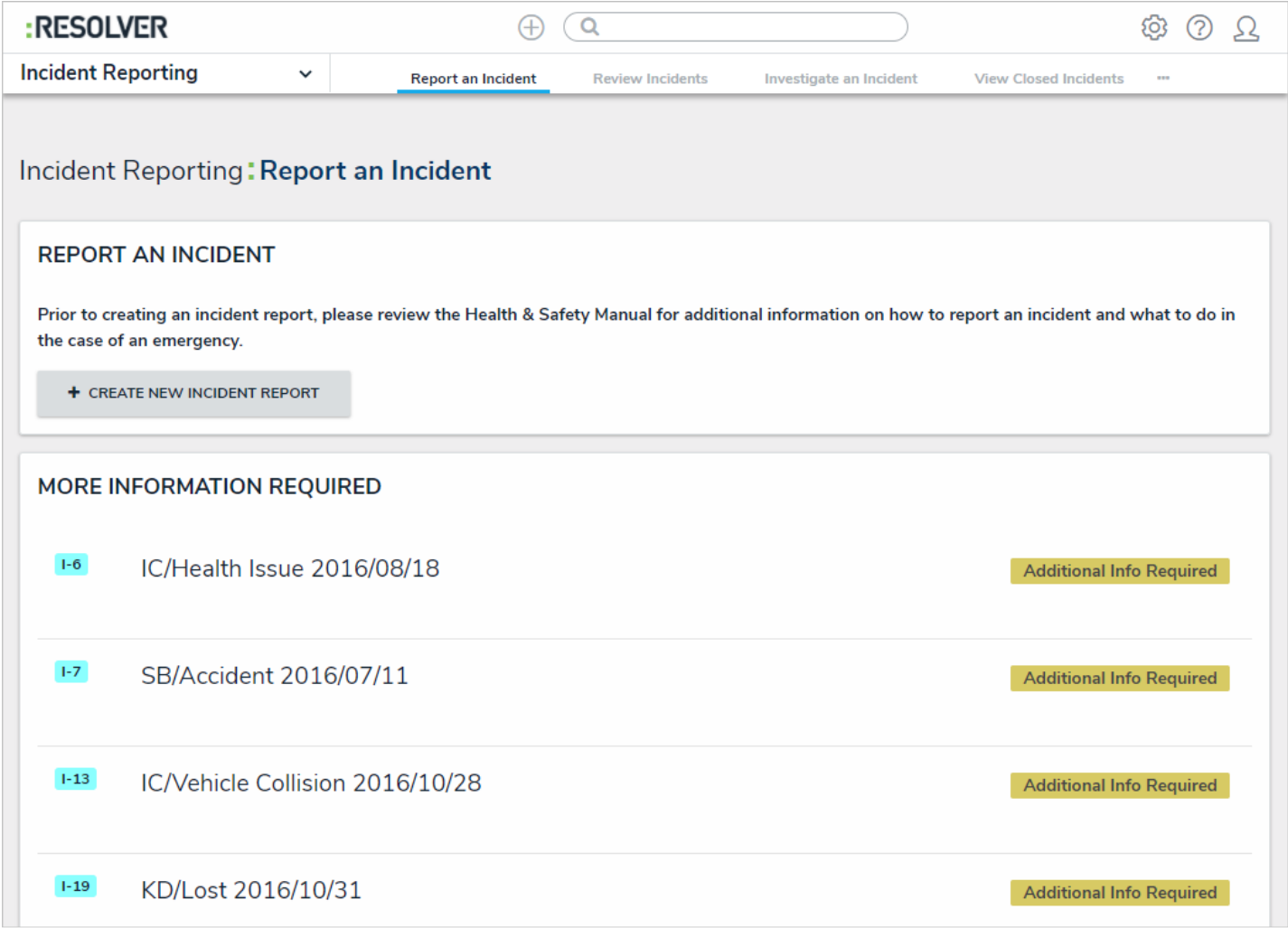
- "there"
 - "these"
 - "they"
 - "this"
 - "to"
 - "was"
 - "will"
 - "with"
- Searching for words in possessive form will return both the possessive and non-possessive form of the word. For example, searching for "John's" will return both "John's" and "John."
 - If searching for words with special characters or accents, you must include the special character or accent in the search. For example, searching for "Joël" will return results, while searching for "Joel" will return no results.

About Applications Overview

Core is designed to help you collect and analyze data for several scenarios or circumstances. To do so, a data structure and workflow must be in place to ensure data is effectively collected, filtered, assigned, reviewed, and analyzed through one or more applications.

Applications and object type workflows control the movement of the data and are created when object types, object type groups, assessments, fields, configurable forms, and roles come together to make [activities](#) , which is where a user must perform a task (through an [action](#)) or view objects or data visualizations (through a [view](#)).

Access to applications and its activities is granted through a user's [role](#) permissions. Once permission is granted, users can view the applications and activities through the [nav bar](#) .



An application displaying one of its activities. Additional activities are accessible by clicking the tabs in the nav bar.

Recommended Process for Creating Applications

To create an application as quickly and easily as possible, Resolver recommends that administrators follow the process outlined below:

1. Create **users** , **user groups** , and **roles** .
2. Create an **application** .
3. **Create an activity** : Enter the activity's name and description.
4. **Create object types** : Enter the object type's name(s), description, and configure its monogram and icon.
5. **Create object type groups** : Enter the group's name(s), then edit the group to add related object types.
6. **Configure the object types**: Add **fields** , **relationships**, **formulas** , **roles** , and **inferred permissions** , and configure the **workflow states** , triggers, transitions, conditions, and actions.
7. **Add object types to roles** : Configure the workflow permissions for each state on each object type added to the role.
8. Create **forms** and **data visualizations** for the object types.
9. Configure the activities' **actions** , **roles** , and **views** .

The steps to complete the above process are discussed in detail the remainder of this guide.

Key Permission Components

This section serves as a guide to the Resolver Core permissions model. It contains steps for providing users with access to appropriate information and links to relevant articles in the Core Admin Guide.

Core's permissions model uses a high level of detail to ensure that each user only sees the data they have been given access to. Due to the complexity of this model, it's important to understand the individual components of the permissions model and how those components work together.

User Assignment: Users, User Groups & Roles

Permissions are configured by defining [roles](#). Permissions can then be assigned within each role.

[User groups](#) are used to define multiple users to the same role. This allows roles to be granular, while reducing complexity. [Users](#) assigned to a user group will inherit the permissions for all roles assigned to the group. This is optional but recommended.



Users may also be [assigned directly to a role](#) however, this is generally not recommended, as adding users directly to roles will likely complicate your organization's permission model and any troubleshooting efforts should any permission-related issues arise.

User accounts also have an [All Access](#) setting, which is usually reserved for administrators only. If **All Access** is enabled, the user will have unrestricted access to all objects in the system without needing to assign roles or define permissions. This makes **All Access** useful for building new applications.

Admin: Create User

User Profile

First Name * Last Name *

Email *

Account Status

☒ User Enabled ☐ Admin ☐ All Access

Language: English (United States) ▼

The Create User page, where the All Access feature can be found.

Role Configuration: Object Types, Workflows & Permissions

To configure a role:

1. [Define the object types](#) members of the role will have access to.

Object Types

Select one...

EDIT PERMISSIONS

BU Business Unit

×

C Company

×

INC Incident

×

II Involved Item

×

IO Involved Organization

×

IP Involved Person

×

The Object Types section on the Edit Role screen.

2. Define the [workflow permissions](#) for each object type assigned to that role, including:
 - a. Permissions: **Create, Read, Edit, Delete, and Manage**. (Selecting any of these permissions in the **All States** section will grant the role access to those permissions for all the workflow's states);
 - b. Triggers (selecting **All Triggers** in **All States** will give the role the ability to click on all defined triggers);
 - c. Objects assigned to the user's [My Tasks](#) list (**Assign**); and
 - d. Forms the assigned user should see. This may still be overridden for specific:
 - [Views](#)
 - [Report tables](#)
 - [Navigation forms](#)
 - [Relationship tables](#)
3. If the role should have access to all objects from its assigned object types, enable [Global Permissions](#) when [creating the role](#) . Note that this setting cannot be changed once the role has been created.
4. If the users in the role should only have access to objects to which they have been [explicitly assigned](#) , some additional steps are required:
 - a. [Add the role to the object type](#) and [include it as a field on a standard form](#) so users from the role can be assigned to an object. Once the user has been assigned to an object using that field, they will have access to that object in accordance with their role's definitions.
 - b. **Optional:** Determine the main object type that the user needs access to (e.g. Risks for a Risk Owner, Business Unit for a Manager). On that object type, define the [inferred permissions](#) to [specify the related object types](#) that the user should inherit access to. By adding inferred permissions, the user is automatically granted access to related objects when they are assigned to the root object. For example, when a Risk Owner is assigned to a Risk, they will inherit permissions to any Controls linked to that Risk, and any Tests linked to that Control.
5. **Optional:** [Disable](#) the **Search**, **Quick Add**, and **Help** functions for the role.

Application/Activity Permissions

Roles can grant access to specific areas of Core by [adding the role to an activity](#) . This lets members of that role:

- Access the activity's parent application in the **Nav Bar**.
- Access the activity through its tab at the top of the **Application** screen.
- Use the actions and views that have been [added to the activity](#) .



Enabling **All Access** on a user's account will **not** automatically grant access to all activities. The user must still be added to a role with access to the activity in order to access it.

Object Types Overview

Object types are the containers for the data entered into Core and are the foundation of the entire system.

Object types determine the category of data that's collected and exactly what kind of data is entered. After an object type has been created, it can be associated with [configurable forms](#) , [applications](#) , activities, tasks, and [data visualizations](#) . Records saved within an object type are known as **objects**.

Administrators define what appears on the object type by adding [fields](#) , [relationships](#) , [formulas](#) , and [roles](#) , which are components. Components need to be added so they can later be selected to appear on the configurable forms created for the object type, alongside the object's [properties](#) . If needed, these components can be used to create [concatenations](#) that use custom expressions to auto-populate the **Name** and **Description** properties on an object.

The data collection process for each object type is defined through a [workflow](#) , while the privileges a user has when working with the object type is specific in their role's [workflow permissions](#) .

Create Incident

Create a New Incident

Enter the type of incident, your initials and the date the incident was created in the Name field below. For example, *EL/Hazard 2016/10/26*

Incident Name

I-XXX

Incident

Creation

Select the employee who created the initial report.

Were there any witnesses? If yes, complete and submit a Witness Statement form.

WITNESS STATEMENT FORM

Location(s)

Date Updated

Dollar Value

A blank object type displayed through a configurable form. Through this form, users can enter, edit, and view data (depending on their permissions).

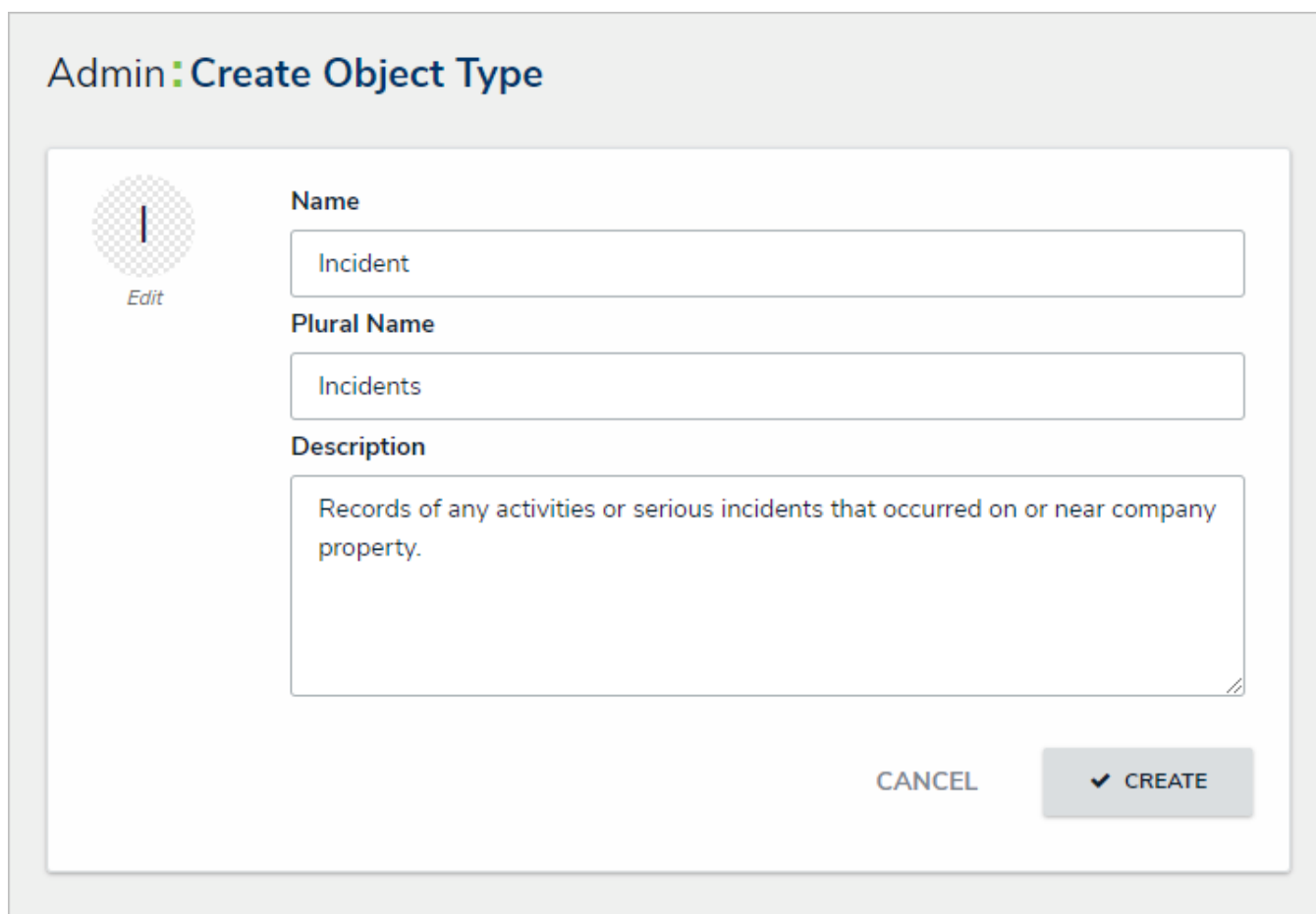
Components and workflows are configured through the **Edit Object Type** page, which has a number of tabs with information and configurable settings, including:

- **Overview:** A list of any [configurable forms](#) or [data definitions](#) associated with the object type.
- **Fields:** Allows you to create, add, and edit [fields](#) on the object type as well as displays a list of the previously added fields.
- **Formulas:** Allows you to create, add, and edit [formulas](#) on the object type as well as displays a list of the previously added formulas.
- **Relationships:** Allows you to create, add, and edit [relationships](#) on the object type as well as displays a list of the previously added relationships.
- **References:** Displays a list of [references](#) on the object type.
- **Roles:** Allows you to add and configure [roles](#) on the object type as well as displays a list of the previously added roles.

Create a New Object Type

To create a new object type:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click **Create Object Type**.
3. Enter a name for the object type in the **Name** field.
4. **Optional:** Enter a plural name for the object type, which will appear when viewing a list of the objects for that type (e.g. “View Incidents_s” instead of “View Incident”).
5. **Optional:** Enter a description of the object type, which will appear on the **Edit Object Type** page when editing the object type.



Admin : Create Object Type


Edit

Name
Incident

Plural Name
Incidents

Description
Records of any activities or serious incidents that occurred on or near company property.

CANCEL

The Create Object Type page.

6. **Optional:** To customize the object type monogram:
 - a. Click the monogram icon to the left of the **Name** field.
 - b. Enter 1 to 3 characters in the **Monogram** field.
 - c. Click the **Pick a color** dropdown menu to reveal the color picker. You can also type a hex color into this field to select a color.

Customize Monogram

Monogram

I

Pick a color

 #9fffff

✓ **DONE**

The Customize Monogram screen.



The monogram is used to help you quickly identify an object type throughout CORE. If you're creating multiple similar object types (e.g. Incidents and Incident Review) you may want to apply the same or similar colors to their monograms to help create a theme.

d. Click **Done**.

7. Click **Create** to display **Edit Object Type** page.

INCIDENT



Records of any activities or serious incidents that occurred on or near company property.

WORKFLOW

 [CONFIGURE WORKFLOW](#)

CONCATENATIONS

 [CONFIGURE NAME CONCATENATION](#)

 [CONFIGURE DESCRIPTION CONCATENATION](#)

Overview

Fields (0)

Formulas (0)

Relationships (0)

References (0)

Roles (0)

Summary information about the Object Type: related forms, object type groups, activities / applications, Reports, report definitions...

Related Forms

Related Data Definitions



✓ DONE

A new object type. By default, new object types do not have any workflows, concatenations, or components.

Add Fields to an Object Type

An object type's fields are where users will input data. Fields are available in the following formats:

- **Text:** A text field that allows for a single line or multiple lines of text, concatenations, or rich text formatting. See the [Text Field Concatenation](#) and [Rich Text Formatting](#) articles for more information.
- **Numeric:** A field that allows for numbers.
- **Date & Time:** A picker that allows you to select the date and time. All dates and times are saved and displayed in UTC format.
- **Select List:** A dropdown menu with multiple options to choose from.
- **Attachments:** An area on the form that allows users to upload files, insert links to websites, or both.
- **Image Attachment:** A field through which images can be uploaded and embedded onto a form.

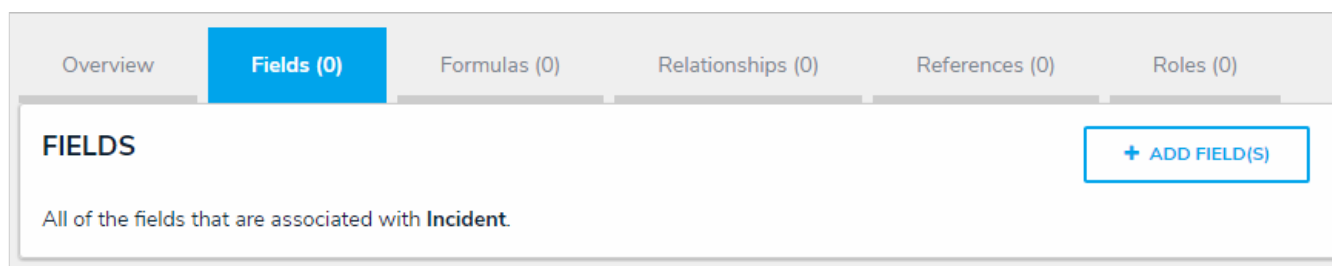
All fields saved to an object type will appear on the object type's default form, but you can select which fields will appear on [configurable forms](#) associated with the object type.



This section explains how to create and add fields to an object type, but you can create, edit, and delete fields from the **Fields** settings. See the [Fields](#) section for more detailed information and instructions on each field type.

To add fields to an object type:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the **Fields** tab.



The Fields tab with no previously added fields on the object type.

3. To create a new field to add to the object type:
 - a. Click **Add Field(s)** > **Add a New Field**
 - b. Select a field type from the **Field Type** dropdown menu.
 - c. Enter the field's details, including name, minimum and maximum number of characters, and any other settings as needed. If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be styled using [Markdown](#).

Create a New Field

Field Type

Numeric

Field Name

File Number

Long Name ?

Minimum Characters

e.g. 10, 140, etc.

Minimum Characters is optional. It must be a whole number less than or equal to Maximum Characters (if set).

Maximum Characters

e.g. 10, 140, etc.

Maximum Characters is optional. It must be a whole number greater than or equal to Minimum Characters (if set).

Number Type

Number

Normal number, currency, phone number, etc.

CREATE AND LINK

The Create a New Field screen, accessed from the Edit Object Type page.

- d. Click **Create and Link** to add the field to the object type.



See the [Fields](#) section for more detailed information about each field type.

4. To add an existing field to the object type:
 - a. Click **Add Field(s)**.
 - b. Click one or more fields in the **Pick Fields to Add** section.

ADD A FIELD

PICK FIELDS TO ADD

+ ADD SELECTED (5)

+ ADD A NEW FIELD

✓ Additional Information Required

Plain Text field with multiple lines

✓ Address

Plain Text field with multiple lines

Adequate Segregation of Duties?

Select List field with 2 options

Assessment

Select List field with 5 options

✓ Attachments

Attachments field

Selecting existing fields to add to the object type.



Existing fields can be added to multiple object types; however, note that deleting the field or modifying the field's settings will affect **all** related object types.

c. Click **Add Selected**.

5. To edit a field, click it in the tab to open the **Editing Field** page.

6. To delete a field **from the object type only**, click the  icon.

7. Click **Done** when finished.

Add Formulas to an Object Type

Formulas compile data from numeric and variable values to generate conclusions, such as Incident Severity, Estimated Damage, or Likelihood the Incident Will Recur. Variable data is created from numeric data from other formulas, [select lists](#), [numeric](#) or [date](#) fields, or [workflow states](#) that are added directly to an object type or from object types associated through a [relationship](#) or [reference](#).

A formula can be displayed on a form as a number, label (e.g. Low, Medium, High), numbers and labels, a gauge, or as a formula card. See the [Formulas on Forms](#) article for more information on configuring the display.

For more information on formulas, see the following articles:

- [Formulas Overview](#)
- [Variables, Operators & Functions](#)
- [Time Functions](#)
- [Null Values in Formulas](#)
- [Formula Examples](#)
- [Formulas on Forms](#)

To add a formula to an object type:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click the **Formulas** tab.
4. Click **Add Formula**.
5. Enter a name for the formula in the **Name** field (e.g. Estimated Vehicle Damage).
6. Click **Create**.
7. Click the new formula to open the **Edit Formula** palette.

EDIT FORMULA

×

DETAILS

Name

Estimated Vehicle damage

VARIABLES

+ ADD VARIABLE

The Edit Formula palette.

8. Click **Add Variable**.
9. Select either **Field**, **Relationship**, or **Reference** from the **Variable Type** dropdown menu.
 - If you selected **Field**, choose a field or formula from the **Available Components** dropdown menu. The options in this dropdown are fields or formulas added directly to the object type.
 - If you selected **Relationship** or **Reference**:
 - a. Select a relationship or reference saved to the object type from the **Relationship** or **Reference** dropdown menu.
 - b. Select a field, formula, or workflow state from the **Available Components** dropdown menu. These are the fields, formulas, or states saved to the object type(s) in the relationship or reference.
 - c. Select a variable sub-type from the **Sub Type** dropdown menu to specify how the data from multiple objects will be compiled, calculated, and displayed. See the [Variables, Operators & Functions](#) article for more information on the sub-types and relationship/reference variables.



Select lists can be used in formulas only if numeric values have been added to their options. See the [Select List Fields](#) article for more information.

10. **Optional:** If you wish to use a name other than the field's unique name, enter it in the **Name** field. Numbers, special characters, and spaces are not permitted.



Naming a variable after a function will result in an error.

11. **Optional:** Enter a description of the variable in the **Description** field, which will appear below the variable in the **Edit Formula** panel.

VARIABLES

Variable Type

Relationship

Relationship

Vehicles Involved

Available Components

Blue Book Value

Sub Type

Array

Name

BLUEBOOKVA

Description

☐ Treat empty values as Null

CANCEL

✓ CREATE

Variable Type

Relationship

Relationship

Vehicles Involved

Available Components

Blue Book Value

Sub Type

Array

Name

BLUEBOOKVA

Description

☐

Treat empty values as Null

CANCEL

✓ CREATE

A new variable in the Edit Formula panel.

12. **Optional:** Select the **Treat empty values as Null** checkbox if objects with blank variables should **not** be assigned a zero (0) value. See the [Null Values in Formulas](#) article for more information.
13. Click **Create**.
14. Follow steps 8-12 above to continue adding more variables as needed.
15. Using the variable name(s), enter the formula, including any operators and/or functions, in the **Formula** field (e.g. **SUM(BLUBOOKVA)**). See the [Variables, Operators & Functions](#) article for more information.

VARIABLES

+ ADD VARIABLE

BLUEBOOKVA

Field: Blue Book Value

RELATIONSHIP

ARRAY

X

FORMULA

SUM(BLUEBOOKVA)

↺

A formula entered in the Formula field using the variable name(s) (in this case, BLUEBOOKVA).

16. In the **Display** section, select either **None** or **Numeric** from the **Format** dropdown menu. If you selected **Numeric**, you can choose how the numbers will be displayed by clicking an option in the table to the left (i.e. **Num**, **%**, **0.00**, etc). A preview of the number format is displayed in the **Layout** field.

DISPLAY

Format

Layout

Num	%	\$	0.00
-Num	-%	-\$	-0.00

Range as

↺

Numeric[▼]

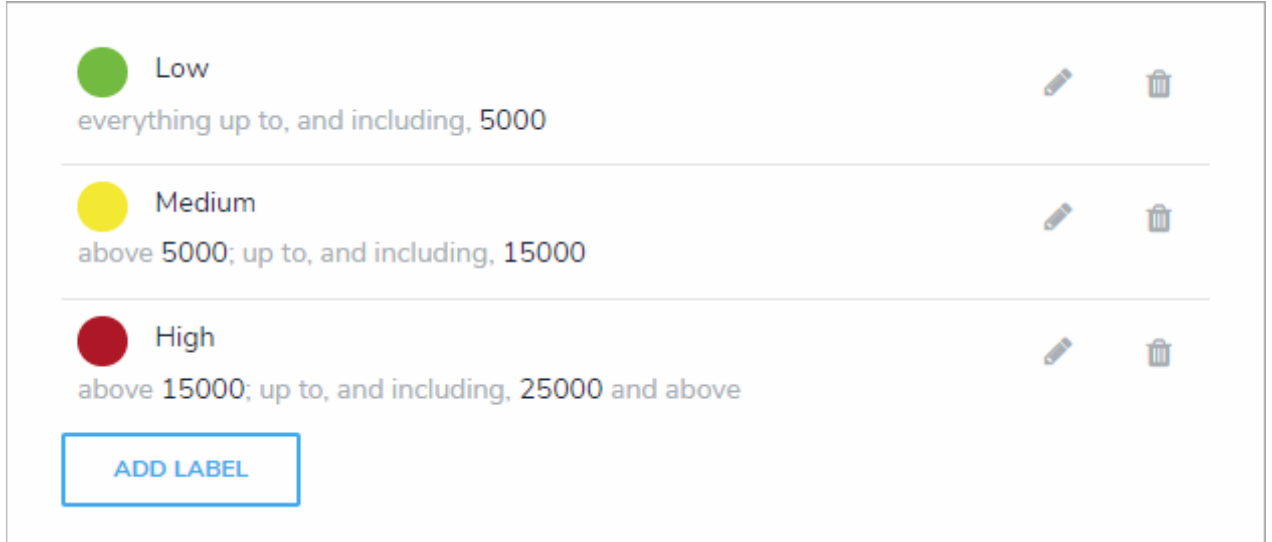
0

None[▼]

The display options for formulas. Selecting an option other than **None** in the **Range as** dropdown will reveal additional options.

17. Select an option from the **Range as** dropdown menu:
- **None:** The formula will display the numeric results only.
 - **Label:** The formula will display the range labels only (e.g. Low) in the color selected for that range.
 - **Label and Result:** The formula will display the numeric results and labels (e.g. Low – 1000) in the color selected for that range.
 - **Result:** The formula will display the numeric results only in the color selected for that range.
18. If you selected any option other than **None** in the **Range as** dropdown menu above, formula labels of **Low**, **Medium**, and **High** are automatically created. To configure the labels:
- Click the  icon next to the range you want to edit.
 - Click the **Color** dropdown menu to reveal the color picker and select a new color for the label. You can also type a hex color into this field to select a color.

- c. Enter a new name for the label in the **Label** field.
- d. Enter a numeric maximum value in the **Max Value** field.
- e. Click the  to save your changes.
- f. To delete a range, click the  icon.
- g. To add a new label, click **Add Label**, then follow steps b-e above.



 Low everything up to, and including, 5000		
 Medium above 5000; up to, and including, 15000		
 High above 15000; up to, and including, 25000 and above		

ADD LABEL

The default formula labels.

- 19. Click **Done**.
- 20. To edit the formula, click it in the tab to open its settings.
- 21. To delete the formula, click the  icon.
- 22. Click **Done** when finished.



If changes are made to the display of an existing formula, you must click **Reformat Formulas** from the **Edit Object Type** page before those changes are displayed.



Clicking **Recalculate Formulas** recalculates **all** the formulas in your organization. As such, this action should be performed only when required.

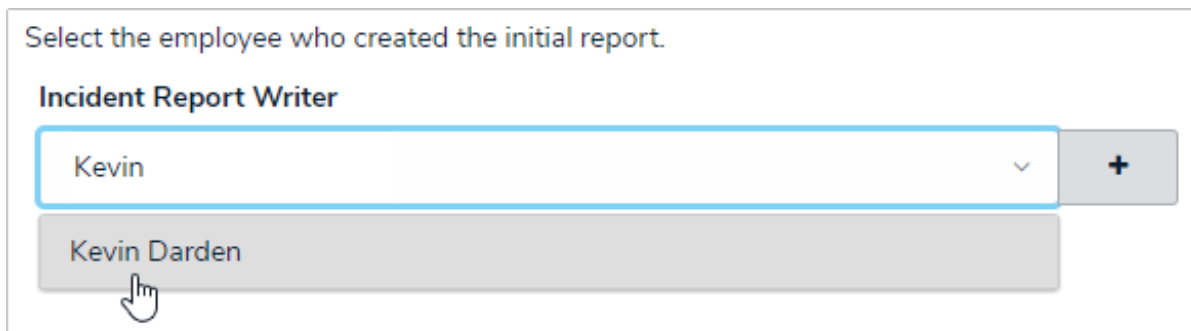
Add Relationships to an Object Type

You can connect two or more objects together by adding object types to an [object type group](#) , then adding that group to a relationship on another object type (e.g. the Visitor and Employee Record object types in a People Involved relationship saved to the Incident object type). Once a relationship is created, it will appear either as field or table on a [configurable form](#) for the object type the relationship is saved to, where administrators can allow users to select an existing object or create a new one on the object type(s) added to the group, which then forms a relationship between the two objects.

Depending on the permission structure of the [roles](#) granted access to this object type, you will likely need to configure the [inferred permissions](#) to ensure users will have access to the object type(s) in the relationship, as required.

EXAMPLE

If you had an Incident object type and an Employee Record object type, you may want to link those object types together to track which employees created new incident objects. To do this, you create a new object type group called “Employees” and add Employee Record as the related object type. You would then use the Employee object type group to create a relationship on Incident, called “Incident Report Writer.” Once that relationship has been added, users can indicate which employee is creating the incident by selecting an existing Employee Record object or creating a new record from the Incident Report Writer field on the form.



Select the employee who created the initial report.

Incident Report Writer

Kevin

Kevin Darden

An example of how a relationship can be displayed on an object type. In this case, the Incident Report Writer field was created from a relationship on the Incident object type using the Employees object type group.

References are automatically created with relationships, but they don't appear on an object type until the **References** element has been added to a [configurable form](#) . See [Add References to an Object Type](#) for more information.



You cannot create a new object through a relationship on an object that hasn't transitioned out of the Creation state as the object has not yet been created and saved.

To add a relationship to an object type:

1. If not already created, create an [object type group](#) that includes the object type(s) you wish to add to the relationship.



2. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
3. Click the object type you wish to add a relationship to or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
4. Click the **Relationships** tab.
5. Click **Add Relationship**.
6. Enter a name for the relationship as it will appear on the forms in the **Relationship Name** field (e.g. Incident Report Writer).
7. **Optional:** Enter a reference name in the **Reference Name** field, which will appear as a field if references are added to a [configurable form](#). See [Add References to an Object Type](#) for more information.
8. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be styled using [Markdown](#) formatting. If a long name is provided, you can choose to display it on a [configurable form](#) above the relationship or reference elements to provide more information to end users.
9. Select an object type group from the **Object Type Group** dropdown menu.

Create a New Relationship ✕

Relationship Name

Incident Report WRiter

Reference Name

Incident reports this employee created

The Reference name is the reverse of the relationship name (e.g. Witness > Witnessed). It will be used when a relationship is displayed as a reference on an object type form.

Long Name

The Long Name is optional and can be used in select parts of the application to provide a more detailed question to the user.

Object Type Group

Employees

Adding a relationship to an object type.

10. Click **Create**.
11. To edit the relationship, click on it from the **Relationships** to open its settings.
12. To delete a relationship, click the  icon, then **Yes** to confirm.

Add References to an Object Type

References indicate that an object is connected to another object through a relationship. References are automatically created at the time a relationship is created, but they cannot be viewed on an object until the [References element](#) has been added to a configurable form.

Depending on the permission structure of the roles granted access to these object types, you will likely need to configure the [inferred permissions](#) to ensure users will have access to object type in the reference, as required.

EXAMPLE

Because you [created a relationship](#) on the Incident object type using the Employee group (which has the Employee Record object type added to it), you have the option of adding the References component to any configurable forms you create for Employee Record, which will display the incident records an employee created.

Employee Record Review

Kevin Darden

Employee Record Name

Kevin Darden

Hire Date



Seniority

Sr. Manager



Contact Information

Title

Mr.

Phone Number

5555551234

E-mail

k.darden@example.com

Address

1234 Street Avenue
Edmonton, Alberta, A01 1A0

DOB



March 17, 1970



This employee is a report writer on the following incidents:

KD/Lost 2016/04/02

KD/Emergency 2016/07/03

A reference on a configurable form displaying custom text.

When creating a [relationship](#), the name entered in the **Reference Name** field will determine which text will appear over the reference on a configurable form. If you don't enter anything in the **Reference Name** field, the reference will appear as **[Object type name] is a [relationship name] on:** If you entered a long name for the [relationship](#), you may also display the long name over the reference on a form.

Kevin Darden is a Report Writer on:

KD/Lost 2016/04/02

KD/Emergency 2016/07/03

The default reference description appearing a configurable form.

You can view the references on an object type by clicking the **References** tab from the **Edit Object Type** page. Clicking on a reference in this tab will show the **Edit Object Type** page for the other referenced object type.

Add Roles to an Object Type

Roles control the data a user can create, edit, delete, view, or manage on object types and objects. Once the role component for a specific role is added to an object type, it can be added to a configurable form, where you can grant users from within that role permission to view a [specific object](#). Where necessary, roles allow users to see additional object types related through relationships or references by granting [inferred permissions](#).



As users with global permissions can automatically view all the objects saved to the object type(s) specified in the role (subject to any workflow permissions), you can only add roles with explicit permissions to an object type.

What the users within a role can do with the object types and objects, including those accessed through inferred permissions, is controlled by the object type's [workflow permissions](#) on their role.

Roles must be created and configured before they can be added to an object type. See the [Roles](#) chapter for more information.

To add a role to an object type:



1. Click the icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click the **Roles** tab.
4. Click **Add Role**.
5. Click to select one or more roles under **Select Roles to Add**



Selecting roles to add to an object type.

6. Click **Add Selected**.

7. To add inferred permissions to the role:



Granting inferred permissions requires additional configurations on the role. See the [Inferred Permissions](#) section for more information on how these permissions work and how to configure the role.

- Click the role in the **Roles** tab to open **Edit Role Permissions**.
- Click the monogram, which represents the object type you're currently working in, to expand the node and reveal any relationships and references saved to the object type.
- Click a relationship or reference to show the object types associated with that relationship or reference (e.g. clicking People Involved will show the People and Employee Record object types).
- Click an object type to grant inferred permissions to that object type.

EDIT ROLE PERMISSIONS

INFERRED PERMISSIONS

Inferred permissions will cascade the role permissions defined for all object types selected when a user is assigned to the role via an object.

Define Permission Path

-  Incident ✓
 -  People Involved
 -  Person ✓
 -  Person (Reference)
 -  Drivers (Reference)
 -  People Involved (Reference)
 -  Involvements (Reference)
 -  Employee Record ✓
 -  This employee is a report writer on the following incidents: (Reference)
 -  Person (Reference)
 -  Drivers (Reference)

Granting inferred permissions. The checkmarks next to the P (People) and ER (Employee Record) monograms confirm that users in that role have access to those object types through the I (Incident) object type.

- Click **Done**, then **Continue** to confirm.
8. To edit the role's inferred permissions, click the role in the tab to open **Edit Role Permissions**.
9. To delete the role **from the object type only**, click the  icon.

10. Click **Done** when finished.

Object Properties

Properties are auto-created components that display an object's default information. Properties can be displayed on a [configurable form](#) or in an [email template](#). They include:

- **Name:** The title of the object, which helps identify the object in [views](#) or [search](#) results. The header of this property appears on forms as [Object Type] Name (e.g. Incident Name).



The **Name** property should be included on all your standard forms as it's used to identify objects in search results, views, data visualizations, relationships, etc. If this property is not added to your forms, users will not be able to search for and select existing objects in relationship fields or tables.

- **Description:** A description of the object.
- **Unique ID:** The unique identifier automatically assigned to the object type at the time of creation.
- **Monogram:** The letter(s) and color assigned to the object type.
- **Created By:** The user who created the object.
- **Created On:** The date the object was created.
- **Modified By:** The name of the user who last modified the object.
- **Modified On:** The date the object was last modified.
- **Workflow Status:** The current state of the object.
- **Assessment Dimension:** Adds read-only [dimension](#) data onto the form of objects that were referenced on an assessment. If an object has not been referenced on an assessment, the property will be invisible.

Name & Description Concatenation Overview

Concatenation pulls data from [properties](#) and [fields](#) to automatically populate the **Name** and/or **Description** properties of objects. This feature is useful for ensuring important information is captured in an object's name or description and to ensure object names and descriptions are consistent across the org.



Concatenation can also be added to plain text fields. See [Text Fields](#) article for more information.

To specify which data is populated in the **Name** and/or **Description** properties, administrators edit an object type, select a related [data definition](#) and an object type in that definition, then one or more properties or fields to create variables (similar to a [formula variable](#)), which are then used to create an expression. For example, if you created variables for the City and Address plain text fields, your expression would look similar to {{{City}}}, {{{Address}}}.

If the data definition includes additional object types related through [relationships](#) or [references](#), you can create variables from those object types to include in the expression, which will display specific field or property data from the relationship or reference elements on the form. For example, creating a variable for the Name property on the Person object type, which is related to the Incident object type through a relationship, means that when a person is selected as witness on an incident, that person's name will be automatically populated in the incident's Name property.

EXAMPLE

When reporting incidents, your company requires that each object's name is automatically generated based on the object's unique ID, the date it was created, and the incident code. Additionally, the description of each object must display where the incident occurred, what type of incident it was, and who created the object. As such, you create variables for the Incident object type's Unique ID property, the Incident Type Code select list, and the Created On property, then add them to the expression for the Name Concatenation option on the Edit Object Type page. For the Description Concatenation, an expression is created using the Location and Incident Type select lists and the Created By property. Now, when an end user creates a new incident, the object's name and description is populated based on the variables and expressions saved to the concatenation settings.

Admin : Edit Object Type

Incident



Name Concatenation: Incident, Business Unit*, Incident Type*



Workflow

 CONFIGURE WORKFLOW

Concatenations

 CONFIGURE NAME CONCATENATION

{{{BU}}} - {{{CREATED}}} - {{{ID}}} {{{TYPE}}} 

 CONFIGURE DESCRIPTION CONCATENATION

{{{OBSERVEDATE}}} {{{OBSERVATION}}} 

Expressions saved on an object type's settings.

BU2-2019-06-12-2 CSCA

2019-09-12 A phishing email received in March is likely where Marie's credentials were compromised.

Title

Successful phishing attempt

Incident Severity

Critical

Incident Status

Open

INCIDENT

BREAKDOWN

EXPORT INCIDENT

PRINT

Incident Owner 

Primary Incident Type

A concatenation on an object.

Prior to creating expressions, you must ensure the fields you want to include in the variables have been [added](#) to the object type and have or will be added to the relevant [configurable form](#) . The **Unique ID**, **Created By**, and **Created On** properties do not need to be added to the form as they are auto-generated and cannot be modified; however, because expressions override any values entered into an object's **Name** or **Description** properties upon saving, it's recommended these properties are **not** added to a configurable form.

Important Notes

- Spaces and special characters in variable names or inside the curly braces are not permitted. For example, `{{{RiskName}}}` is valid, but `{{{Risk Name}}}` will result in an error.
- Concatenations **cannot** be applied to existing objects.
- [Custom form titles](#) or sub-titles take precedence over any concatenation expressions.

Add Name or Description Concatenations to an Object Type

To add name or description concatenations to an object type:

1. Ensure the [fields](#) you wish to include in the concatenation(s) have been added to the object type and appropriate [configurable form](#). If the concatenation will be pulling data from other object type(s), ensure the appropriate [relationships](#) and [references](#) have been added to those object types, along with the relevant fields. See the [Concatenation Overview](#) article for more information.
2. Ensure the data definition you wish to use to filter the data has been created from the [Data Definitions](#) settings in **Administration**.
3. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
4. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
5. Click either **Configure Name Concatenation** or **Configure Description Concatenation** to open the **Edit Concatenation** palette.
6. Select a data definition from the **Data Definition** dropdown menu. This will determine which object types' properties and fields are available to add as variables.

EDIT CONCATENATION

DETAILS

Data Definition 

Incident Only

VARIABLES

+ ADD VARIABLE

EXPRESSION

Variables must be wrapped in triple braces. Eg: {{{VARIABLE1}}}-{{{VARIABLE2}}}

SAVE EXPRESSION

A new concatenation with no variables or expression.



If you want to select another data definition, you must delete the concatenation by clicking the **X** icon beside the concatenation on the **Edit Object Type** page, then recreate it.

7. Click **Add Variable**.
8. Select an object type in the data definition from the **Select Object Type** dropdown menu.
9. Select a property or field you want to auto-populate in an object's name or description. For example, selecting the **Created By** property will auto-populate the name of the user who created an object. If you selected the **Created On** property or **Date** field, select a date format (e.g. YYYY-MM-DD) from the **Variable Format** dropdown menu.
10. Enter a name for the variable in the **Variable Name** field.



Spaces and special characters in variable names are not permitted. For example, naming a variable **RiskName** in the **Variable Name** field is valid, but entering **Risk Name** in this field will result in an error.

11. **Optional:** If you want a default value to populate in the concatenation when the variable has no data, enter that value in the **Default Value** field (e.g. "Null" or "None provided").
12. If the variable has been created from a component on the same object type where the concatenation is saved (e.g. the Incident Name property is being saved to an expression on the Incident object type) select the **Self** checkbox.

VARIABLES

Select Object Type

 Incident

Available Component

Property: Created By

Variable Name

CreatedBy

Default Value

☒ Self

ADD

CANCEL

Creating a new variable in the Edit Concatenation palette.

13. Click **Add** to save the variable.

VARIABLES

CreatedBy

Property: Created By

×

+ ADD VARIABLE

A new variable, which can be included in the concatenation expression.

14. Repeat steps 7-13 above to continue adding variables as needed.
15. Type the variable names in the **Expression** field. Variables can be entered in any order, but they must be enclosed in triple curly braces (e.g. {{{CreatedBy}}}) **with no spaces or special characters within the braces**. If needed, you can include

spaces and other alphanumeric characters between the variables.

EXPRESSION

{{{DateSubmitted}}} - {{{IncidentType}}} - {{{CreatedBy}}}

Variables must be wrapped in triple braces. Eg: {{{VARIABLE1}}}-{{{VARIABLE2}}}

SAVE EXPRESSION

An expression with variables. All variables must be enclosed in triple curly braces.

16. Click **Save Expression**.

CONCATENATIONS

 **CONFIGURE NAME CONCATENATION**

{{{DateSubmitted}}} - {{{IncidentType}}} - {{{CreatedBy}}}



 **CONFIGURE DESCRIPTION CONCATENATION**

The new expression saved to the object type and displayed on the Edit Object Type page.

17. To edit a variable, it must be deleted by clicking the  icon from the **Edit Concatenation** palette, then recreated.
18. To delete the concatenation, click the  icon from the **Edit Object Type** page.

Incident Review

2017-10-02 - Health issue - Eva Lockett

Description

I-85

Incident Type

Health issue

Incident Type Code

01-04

Location

New York

Date of submission

October 2, 2017

EXPORT INCIDENT OBJECT DATA

CREATE A WITNESS STATEMENT

The expression displaying successfully on an incident object.

Edit or Delete a Concatenation

Data definitions and variables on concatenations cannot be edited; however, you can delete the concatenation to select a new definition and create new variables. To do so, open the **Edit Object Type** page, then click the  beside the concatenation.

Note that deleting the concatenation will delete all associated variables. To delete a single variable, click **Configure Name/Description Concatenation** on the **Edit Object Type** page, then click the  icon beside the variable in the palette.

VARIABLES

CreatedBy

Property: Created By



DateSubmitted

Field: Date of submission



IncidentType

Field: Incident Type



Deleting a variable in the Edit Concatenation palette on the Edit Object Type page.

146

Edit or Delete an Object Type

To edit or delete an object type:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. To edit the object type's name, description, or monogram, click the  next the object type's name at the top of the page.
4. Click the tabs to edit or delete the components added to the object type.
5. To delete the object type, click the  icon.

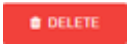


If any data has been saved to or associated with the object type, it's strongly recommended that you **do not** delete it. Additionally, you will not be able to delete an object type until all its objects have been [deleted](#).

6. Click **Done** when finished.

Delete an Object

Depending on the [role permissions](#) , both administrators and end users can delete objects, however, before the object can be deleted, you will need to review the **Deletion Request** warning, which outlines how deleting the object will impact other objects that are connected through relationships or references.

To delete an object, open the object record, click the  icon, review the **Deletion Request**, then click  to confirm.



Deleting an object with relationships or references will delete that object's connection to the other objects, but it will **not** delete the other objects it was related to.

Deletion Request

×

Please review the impact of the delete prior to the deletion

Vendor Management has 8 relationships and is referenced in 0 places

✕ CANCEL

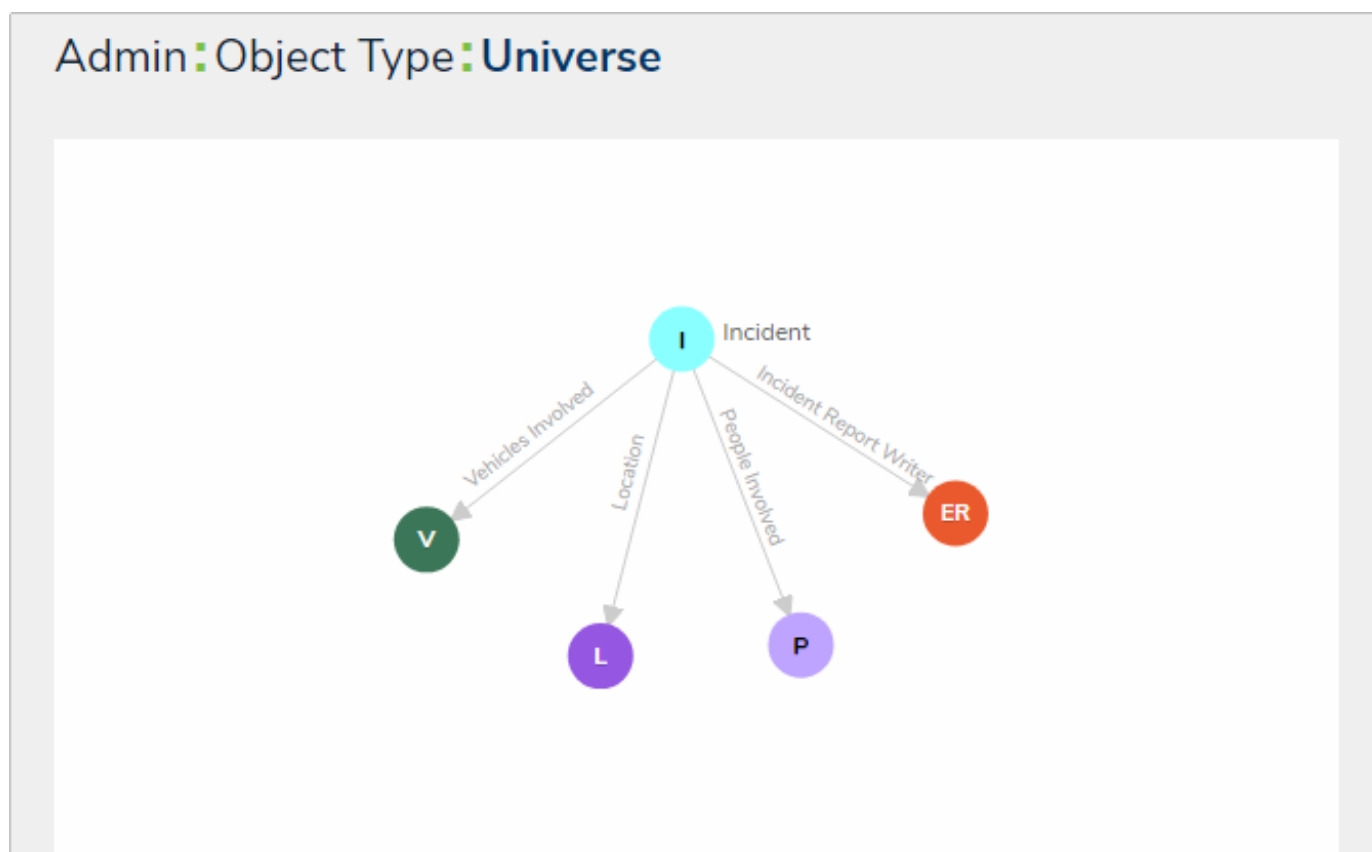
 DELETE

The Deletion Request warning that outlines how deleting the object will affect other objects that are connected through relationships or references

Object Type Universe

The **Object Type Universe** graph helps you visualize how all the object types in your org are associated with one another through [relationships](#).

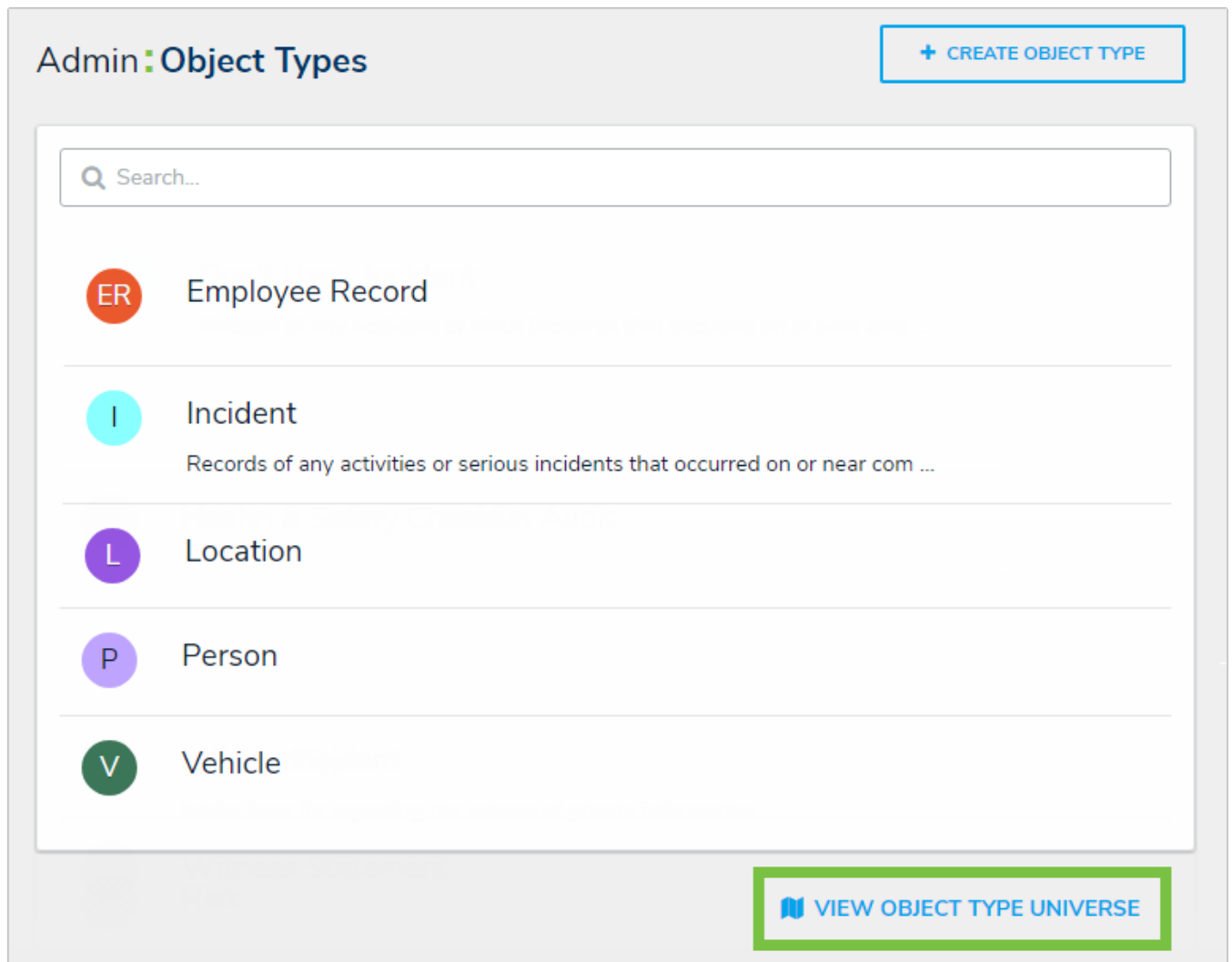
You can reveal the name of an object type by hovering your cursor over the monogram. The gray arrows indicate which object type the relationship is saved to. For example, in the screenshot below, the Incident object type is associated with the Vehicle object type through a “Vehicles Involved” relationship.



The Object Type Universe graph.

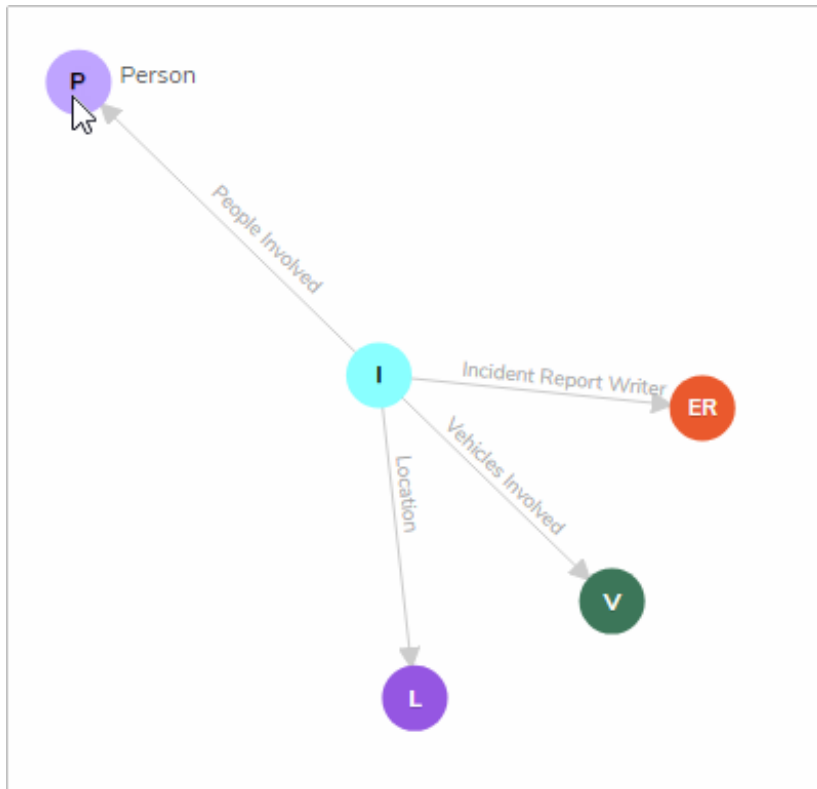
To view the Object Type Universe graph:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. At the bottom of the **Object Types** page, click **View Object Type Universe** to display the graph.



The Object Types page, displaying the View Object Type Universe link at the bottom of the page.

3. To rearrange the location of a single object type or a cluster of object types, click and drag it to a new location on the graph.



Clicking and dragging a cluster of object types to a new location on the graph.

4. Click an object type on the graph to view its **Edit Object Type** page.
5. Click the back button on your browser when finished to return to the **Object Types** page.

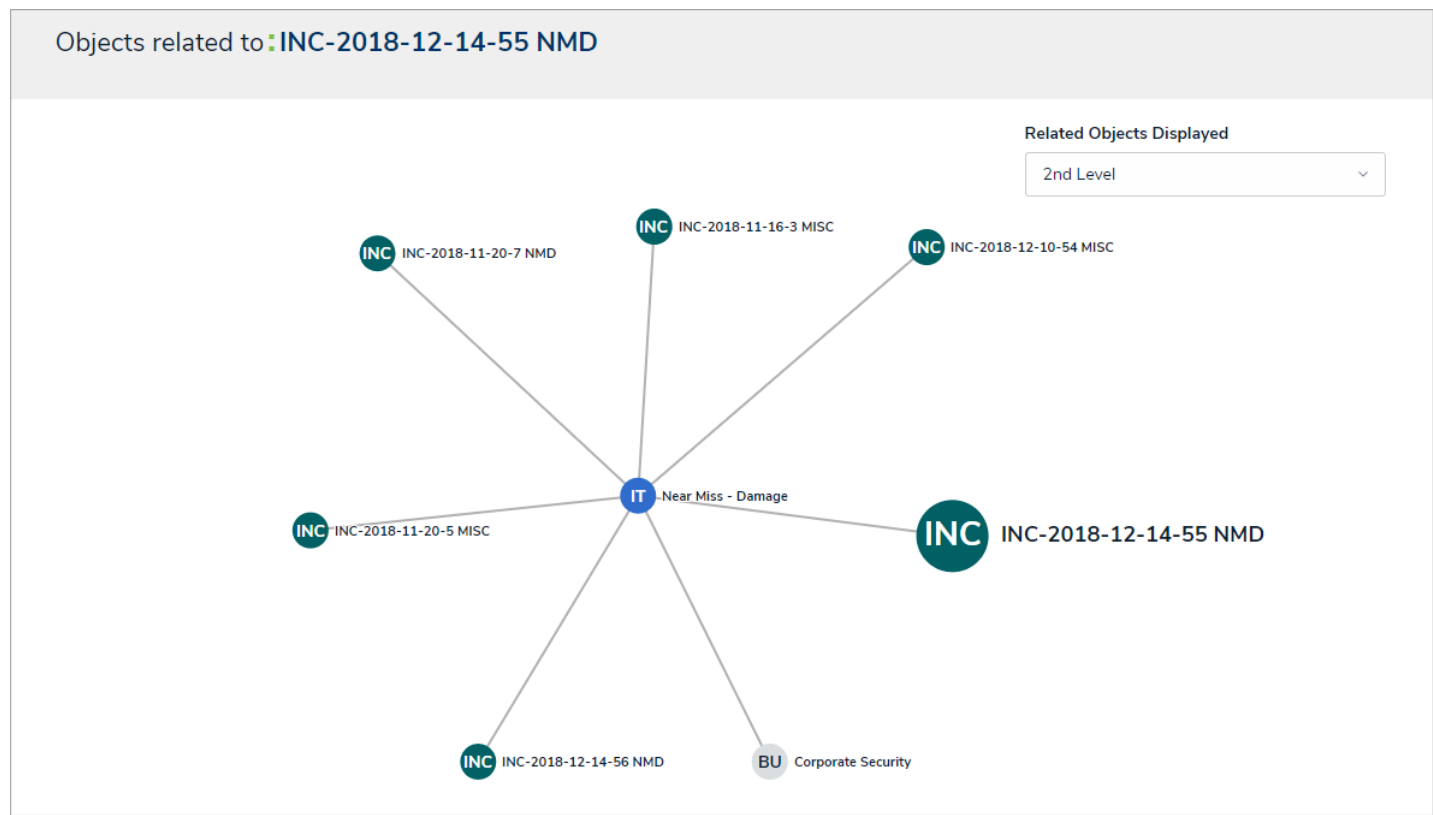
Relationship Graphs

An object's relationship graph shows how that object is connected to other objects in your organization through [relationships](#) , [references](#) , and [assessments](#) . To access the relationship graph, click the **View Relationship Graph** link at the bottom of any object. The object the graph is opened from is the root object.

To filter which related objects are displayed, select an option from the**Related Object Displayed** dropdown menu. Options include:

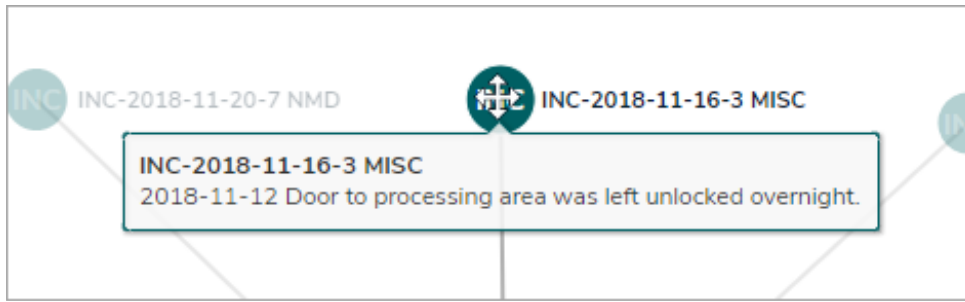
- **All:** Displays up to three levels of related objects. This is the default option.
- **1st Level:** Displays only directly related objects.
- **2nd Level:** Displays directly related objects and their related objects.
- **3rd Level:** Displays directly related objects and up to two levels of additional related objects.

Note that some options may not be available in this dropdown menu if additional relationship levels do not exist.



A relationship graph showing two levels of related objects.

Clicking an object will open it in a palette to the right of the page. Your role's [workflow permissions](#) control which objects appear in the graph and the form that's displayed when an object is clicked and opened. Hovering your cursor over an object in the graph will display the object name and description.



Hovering your cursor over an object in the graph displays its name and description.

If you're an administrator, you can view a similar graph that shows relationships between object types in your organization. See [Object Type Universe](#) for more information.

Library Objects & Object Types

Throughout Core, you may see references to **library objects** or **library object types**. Generally speaking, these references are used to differentiate standard object types and their data from [assessment types](#). Note, however, that this definition may vary depending on your specific implementation or app.

Inferred Permissions Overview

Inferred permissions allow you to give users with explicit permissions access to additional object types through [relationships](#) and [references](#) without directly granting permission through the [role field](#) on a configurable form. This ensures users within a particular role with explicit permissions are indirectly given the appropriate access to the information they need when interacting with related objects.

EXAMPLE

Hollie Peel is part of the Incident Editor role with explicit permissions. When working with existing incident objects, she may need to edit information about the people who were involved in an incident through the People Involved relationship, so she needs access to the Incident object type, as well as the Person and Employee Record object types. Therefore, the Incident, Person, and Employee Record object types are added to the Incident Editor role. After the role is configured, it's saved to the Incident object type as a component and is then configured to grant inferred permissions to the Person and Employee Record object types through the People Involved relationship. Once Hollie has been given access to an incident object (by being added to the Incident Editor role field on a form), she can edit the objects in the People Involved relationship without being granted direct access to People and Employee Record objects by another user.

Granting users inferred permissions is done using the following process:

1. Create a [role](#) .
2. Add the object types the user will have access to, including those accessed through inferred permissions, to the role.
3. Edit the workflow permissions for the object types. The rights granted here will determine the rights the user will have when accessing the object types through inferred permissions.
4. [Add the role](#) to the object type that has the relationships and references saved to it.
5. Edit the role on the object type to [add inferred permissions](#) .

EDIT ROLE PERMISSIONS

INFERRED PERMISSIONS

Inferred permissions will cascade the role permissions defined for all object types selected when a user is assigned to the role via an object.

Define Permission Path

I

Incident✓

People Involved

P

Person✓

Person (Reference)

Drivers (Reference)

People Involved (Reference)

Involvements (Reference)

ER

Employee Record✓

This employee is a report writer on the following incidents: (Reference)

Person (Reference)

Drivers (Reference)

Granting inferred permissions. The checkmarks next to the P (People) and ER (Employee Record) monograms confirm that users in that role have access to those object types through the I (Incident) object type.

After the above steps have been completed, a user with **Manage** rights must add a user who belongs to the selected role to an object through the **role field** on a configurable form. Once added, the user will have access to the object and any selected related objects based on the inferred and workflow permissions.

Users who are logged in at the time their role's permissions are configured will need to log out then log back in before the changes are applied.

Inferred permissions don't apply to objects that haven't transitioned out of the **Creation** state as the object has not yet been created and any users added to a role have not yet been saved.

156

Add Inferred Permissions on an Object Type

To add inferred permissions on an object type:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. [Add a role](#) to the object type.
4. Click the role in the **Roles** tab to open **Edit Role Permissions**.
5. Click the monogram, which represents the object type you're currently working in, to expand the node and reveal relationships and references saved to the object type.
6. Click a relationship or reference to show any object types associated with that relationship or reference (e.g. clicking People Involved will show the People and Employee Record object types).
7. Click an object type to place a checkmark next to it and grant inferred permissions to that object type.

EDIT ROLE PERMISSIONS

INFERRED PERMISSIONS

Inferred permissions will cascade the role permissions defined for all object types selected when a user is assigned to the role via an object.

Define Permission Path

I

Incident✓

People Involved

P

Person✓

Person (Reference)

Drivers (Reference)

People Involved (Reference)

Involvements (Reference)

ER

Employee Record✓

This employee is a report writer on the following incidents: (Reference)

Person (Reference)

Drivers (Reference)

The Permission Path in an object type's inferred permission settings.

8. Click **Done**, then **Continue** to confirm.



Inferred permissions can be edited by opening **Edit Role Permissions** on the object type, then selecting or deselecting the additional object types as needed.

Workflow Overview

Workflows allow administrators to control the movement of data as well as define what data is displayed, where it's displayed, and which users the data is displayed to through [applications](#) , activities, search results, [data visualizations](#) , and [assignments](#) . Workflows are often used for processes, but can also be used to mark or flag certain objects (e.g. moving a Vehicle object into a Stolen state or a Person object into a Deceased state). Each object type must have a workflow.

Workflows are comprised of the following elements and are created in the order outlined below:

1. **States:** The various stages of the data collection process (e.g. Create, Triage, Review, Investigate, Close). You can create multiple states, but you must have at least two states in order to save an object. The **Creation**, **Draft**, **Active**, and **Archived** states are auto-created on every object type. When object types are added to roles, you must configure the [workflow permissions](#) for each state. Once created, workflow states can be used as variables in [formulas](#) and workflow **conditions**.
2. **Triggers:** The act that prompts the movement of an object from one state to another once a trigger is activated, which appears as button on a configurable form (e.g. clicking Create on a new Incident will move the object from the Creation state to Triage). The state an object moves to is determined by the transition saved to the trigger. Triggers may also include orchestration events, which move multiple objects into other states.
3. **Transitions:** Transitions are created on triggers and define the state the object will be moved to and any actions that will be taken (e.g. after a user clicks the Create trigger, the transition determines that the object is moved to the Triage state and an email notification is sent out to the managers who need to review it). You can create multiple transitions for each trigger.
4. **Conditions:** Conditions are added to transitions and determine which workflow state an object is moved to depending on whether certain parameters, based on variables from fields, formulas, or states, have been met (e.g. if an incident is flagged as "Injury Occurred" you can specify that the object is sent to the HR state, while other incidents that aren't flagged are moved through a standard triage workflow). You can also apply conditions to actions.
5. **Actions:** Actions are added to transitions to allow administrators to add an automated process to an object as it moves through its workflow states. Actions include sending an email or assigning users within a selected role, clearing fields, roles, or relationships from an object, adding values to select list or date and time fields, orchestration events, which move multiple objects into other states, creating an object upon transition, or duplicating data across objects.

All new object types are saved with four auto-created states: [Creation](#) (the object's entry state), **Draft**, **Active**, and **Archived**. You can't delete the **Creation** state, but you can rename it and change or add additional triggers and transitions. You can edit or delete the other auto-created states, however, you **must** create another state for **Creation** to transition to.

Administrators can also create multiple workflows for object types that have been added to an assessment as dimensions. See [Configure Assessment Workflows](#) for more information.

EXAMPLE

You need to create a number of states, triggers, and transitions to ensure the Incident object type goes through the proper data collection and review process. To start, you create two states: Submit for Review and In Review. On the Submit for Review state, you create the Submit for Review trigger (which is the button the user can click on the configurable form to move the object to the next state) and on that trigger, you create the Submit for Review transition with an In Review destination state. This means that when a user clicks on Submit for Review, the Incident object is automatically moved to the In Review state.

States

+ ADD STATE

● CREATION

⚡ TRIGGERS

+ ADD TRIGGER

CREATION STATE

0 REQUIRED COMPONENTS

Create ⇄ Transitions to Draft

● DRAFT

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Active ⇄ Transitions to Active

● ACTIVE

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Archive ⇄ Transitions to Archived

● ARCHIVED

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

This State has no Triggers

The default workflow.

States

[+ ADD STATE](#)

CREATION

⚡ TRIGGERS [+ ADD TRIGGER](#)

CREATION STATE

0 REQUIRED COMPONENTS

Create ⇄ Transitions to In Progress

IN PROGRESS

⚡ TRIGGERS [+ ADD TRIGGER](#)

0 REQUIRED COMPONENTS

Submit ⇄ Transitions to Complete

COMPLETE

⚡ TRIGGERS [+ ADD TRIGGER](#)

0 REQUIRED COMPONENTS

This State has no Triggers

A custom workflow.

Edit the Workflow Name or Description

To edit the workflow name or description:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click the  icon next the workflow name near the top of the page.
4. Make your changes to the **Name** or **Description** fields as needed.
5. Click **Done** when finished.

Edit the Creation State

Creation is the first state in every object type's workflow and is automatically created. It cannot be deleted, nor can its name or color be edited, however, any added triggers, transitions, or actions can be edited or deleted. This state is automatically created with a trigger and transition that moves objects to the **Draft** state. This trigger and transition can be deleted, however, you must ensure a replacement trigger and/or transition is configured on **Creation**, otherwise new objects will not be created and saved.

The **Creation** state can be configured by following the instructions in the [Edit or Delete a State](#) (to add required components that must be completed before the object is completed), [Add a Trigger & Transition to a State](#), and [Edit or Delete a Trigger or Transition](#) sections.

STATES

+

ADD STATE

CREATION

⚡ TRIGGERS

+

ADD TRIGGER

CREATION STATE

0 REQUIRED COMPONENTS

This State has no Triggers

The Creation state, which appears on every object type. You can edit some of the settings of this state, but you cannot delete it.

Edit or Delete the Draft, Active, or Archived States

Like the [Creation](#) state, the **Draft**, **Active**, and **Archived** states are auto-created once an object type has been created, but you can edit or delete these states as needed. However, because the **Creation** state automatically transitions to **Draft**, you must ensure that the **Create** trigger has been set to transition to an alternate state if you choose to delete **Draft**. Failure to do so will prevent an object from being saved in the system.

You can edit or delete these states by following the instructions in the [Edit or Delete a State](#) , [Add a Trigger & Transition to a State](#) , and [Edit or Delete a Trigger, Transition, or Action](#) sections.

STATES

+ ADD STATE

● CREATION

⚡ TRIGGERS

+ ADD TRIGGER

CREATION STATE0 REQUIRED COMPONENTS

Create⇌ Transitions to Draft

● DRAFT

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Active⇌ Transitions to Active

● ACTIVE

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Archive⇌ Transitions to Archived

● ARCHIVED

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

This State has no Triggers

The default workflow that's auto-created with an object type.

Create a New State

States represent the various stages of the data collection and review process (e.g. Create, Triage, Review, Investigate, Close, etc.). States allow you to narrow down your search results, control where an object is created or viewed in an application, which fields must be completed during certain stages, and which state the object will transition to by adding triggers to the state. When a new object type is created, a default workflow state is created with it (which includes the **Creation**, **Draft**, **Active**, and **Archived** states). These states can be deleted or supplemented with additional states as needed (except for the **Creation** state, which cannot be deleted and allows for only limited configuration).

Once created, the new state will appear in the workflow, which you can then select when creating new [transitions](#) on other states. You can also select states to create **Relationship** or **Reference** variables in [formulas](#) or [workflow conditions](#), which can provide a count of the objects currently in the specified state or check if some or all of the objects are in that state and return a true or false result. You can select states from the object type's workflow or any assessment workflows related to the object type.

To mark certain fields, properties, or roles as required when the object is in a particular state, or to change the state's name or color, see [Edit or Delete a State](#). To add triggers, transitions, or actions to your new state, see [Add a Trigger & Transition to a State](#).

To create a new state:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click **Configure Workflow** on the **Edit Object Type** page. If there are multiple workflows saved to the object type, click one in the list.
4. Click **Add State**.
5. Enter the state name in the **Name** field.
6. Click the **Color** dropdown menu to reveal the color picker and select a new color for the label. You can also type a hex color into this field to select a color.
7. Select a state category from the **State Category** dropdown menu to classify the new state.



Though the **State Category** field is required, full functionality of this feature will be available in an upcoming release.

8. Click **Create**.

STATES

Name

Information Requested

Color

#9556e2

State Category

In Progress

CANCEL

✓ CREATE

Creating a new state.

INFORMATION REQUESTED

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

This State has no Triggers

A new state. New states don't have any triggers or transitions saved to them, but new states can be selected on transitions on other states.

After clicking **Create**, your new state will appear in the workflow, below existing states. You can select this state when creating new transitions on other states. To add triggers, transitions, or actions to your new state, see [Add a Trigger & Transition to a State](#).

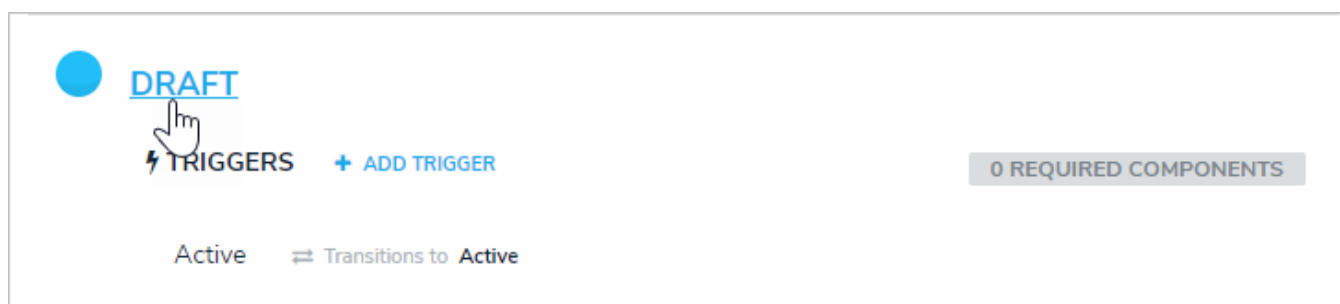
Edit or Delete a State

After you've created a state, you can edit it to change its name, color, or state category, as well as select the properties, components, or [roles](#) saved to the object type that must be completed before the object can transition to the next state.

Once created, the new state will appear in the workflow, which you can then select when creating new [transitions](#) on other states. You can also select states to create **Relationship** or **Reference** variables in [formulas](#) or [workflow conditions](#), which can provide a count of the objects currently in the specified state or check if some or all of the objects are in that state and return a true or false result.

To edit or delete a state:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click **Configure Workflow**. If there are multiple workflows saved to the object type, click one in the list.
4. Click the state you wish to edit to open the **Edit State** palette.



Clicking a state to open the Edit State palette.

5. If needed, enter an alternate name for the state in the **Name** field.

EDIT STATE

Draft

X

Name

Draft

Color

#0fc0fc

State Category

Draft

REQUIRED COMPONENTS

Select any Fields that must contain a value in order to move into the next Workflow State

Q Search...

Name

PROPERTY

Description

PROPERTY

DELETE STATE

The Edit State palette.

- Click the **Color** dropdown menu to reveal the color picker and select a new color for the label. You can also type a hex color into this field to select a color.
- Use the **State Category** dropdown menu to select an alternate category.
- If certain components must be completed or if a user from a particular **role** must be granted access to the object before it can move to the next state, select those components, properties, and/or roles in the **Required Components** section.

REQUIRED COMPONENTS

Select any Fields that must contain a value in order to move into the next Workflow State

Q Search...	
✓ Name	PROPERTY
Description	PROPERTY
People Involved	RELATIONSHIP
✓ Incident Report Writer	RELATIONSHIP
Suspect/Person Responsible	RELATIONSHIP

Selected fields and relationships in the Required Components section.



If you add required fields to a state, you must ensure these fields have been added to any applicable [configurable forms](#), otherwise users will not be able to view and complete the required fields to transition the object to the next state.

- To delete the state, click **Delete State**, then click **Yes** to confirm.
- Click the  icon when finished to close the **Edit State** window.

Add a Trigger & Transition to a State

A **trigger** is what causes an object to move from one state to another. There are three types of triggers:

- **Button:** These triggers are added to [configurable forms](#) as buttons that a user clicks to move the object from its current state to another state (e.g. clicking the Submit for Review trigger on a form will move the object to the In Review state).
- **Timed:** Moves an object to a specified state and can perform actions on a nightly basis at 12:01 am UTC time (e.g. you can create a trigger that notifies users that a deadline is overdue or remind users to launch an assessment on a particular day). This trigger type cannot be added to the creation state.



If a single state contains multiple timed triggers with conditions, you must create separate transitions for each timed trigger.

- **Consume Orchestration Event:** This trigger uses an existing [Send Orchestration Event](#) action on another state or object type to automatically transition an object to another predefined state (e.g. Closing an audit object will also automatically close all issue objects in an Open state). Note that this trigger type cannot be added to the Creation state.

The state an object is moved to is specified by creating a **transition** on the trigger. On that transition, you can create **actions** that perform certain functions once the object has moved to the next state or **conditions** that define certain requirements that must be met before an object is moved to the next state and/or an action is performed. See the [Actions on Transitions](#) category and the [Add a Condition to a Transition](#) article for more information. Multiple triggers and transitions can be saved to a single state.



All triggers must have transitions saved to them in order to successfully move the object from state to state.

STATES

+ ADD STATE

CREATION

TRIGGERS

+ ADD TRIGGER

CREATION STATE

0 REQUIRED COMPONENTS

Save as Draft

⇌ Transitions to **Draft**

The Creation state with a trigger configured to transition to the object to the Draft state.

Create a New Incident

Enter the type of incident, your initials and the date the incident was created in the Name field below.
For example, *EL/Hazard 2016/10/26*

Incident Name

Date & Time the Incident Occurred

Location(s)

Incident Type

What Happened?

SAVE AS DRAFT

A configurable form for the Incident object type. The Save as Draft button is a trigger that, once clicked, will move the object to another state. In this case, the object is moved to the Draft state.

To add a trigger and transition to a state:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click the object type or enter the name of the object type in the **Search** field, then click it to display the **Edit Object Type** page.
3. Click **Configure Workflow** (if only one workflow exists) or select the appropriate workflow.
4. Click **Add Trigger** below the state you want to add the trigger to.
5. Select either **Button**, **Timed**, or **Consume Orchestration Event** from the **Type** dropdown menu.

ADD TRIGGER

×

Type

Select the trigger type... ▾

Name

Description

Color

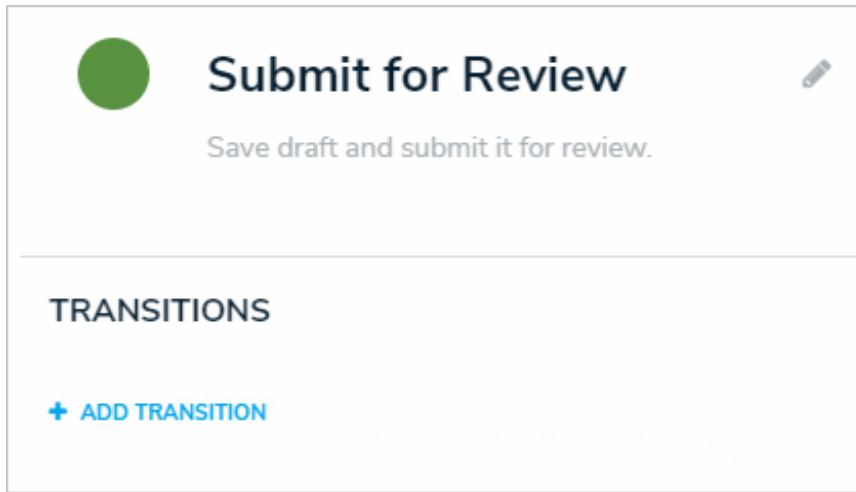
▾

CANCEL

✓ CREATE

The Add Trigger palette.

6. Enter a name for the trigger in **Name** field. If you selected the **Button** type, this will appear as a button for users to click on configurable forms.
7. **Optional:** Enter a description of the trigger or include other information, such as its destination state, in the **Description** field. For the **Button** trigger type, a description will appear when clicking the icon  next to the trigger when creating a configurable form and will help you identify which state and transition the trigger is associated with.
8. **Optional:** Click the **Color** dropdown menu to reveal the color picker and select a new color for the button as it will appear on a form. You can also type a hex color into this field to select a color.
9. If you selected the **Timed** trigger type, select **Nightly** from the **Frequency** dropdown menu.
10. If you selected the **Consume Orchestration Event** trigger type, select a previously created event action from the **Orchestration Event** dropdown menu. If you have not yet created an event action, you can leave this field blank and edit the trigger once an event is created. Note that options will appear in this dropdown only if an event action has been previously created using a data definition that includes the object type you're currently configuring. See [Add an Orchestration Event Action on a Transition](#) for more information.
11. Click **Create**.
12. Click the new trigger below the state on the **Edit Workflow** page to open the **Edit Trigger** palette.
13. Click **Add Transition**.

The image shows a modal window titled "Submit for Review" with a green circular icon on the left and a pencil icon on the right. Below the title is the text "Save draft and submit it for review." The main area of the modal is divided into two sections. The top section is titled "TRANSITIONS" and contains a blue link that says "+ ADD TRANSITION". The bottom section is empty.

Submit for Review

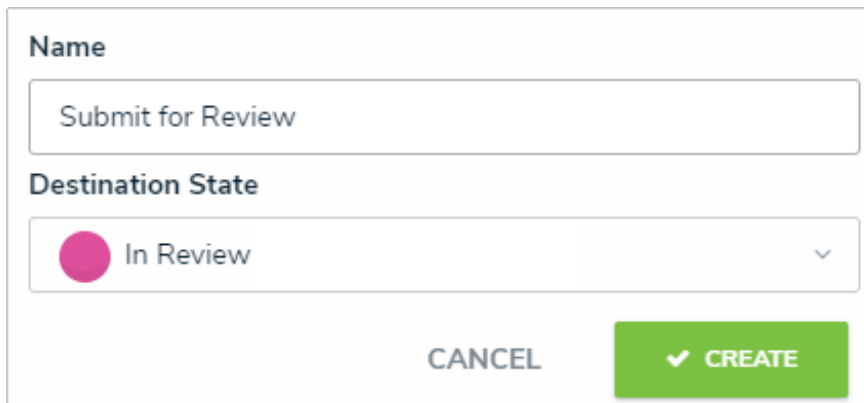
Save draft and submit it for review.

TRANSITIONS

[+ ADD TRANSITION](#)

The Edit Trigger palette.

14. Enter a name for the transition in the **Name** field.
15. From the **Destination State** dropdown menu, select the state the object should move to.

The image shows a form for creating a new transition. It has two main sections. The first section is titled "Name" and contains a text input field with the value "Submit for Review". The second section is titled "Destination State" and contains a dropdown menu with a pink circular icon on the left and the text "In Review" followed by a downward arrow. At the bottom of the form are two buttons: a grey "CANCEL" button and a green "CREATE" button with a white checkmark icon.

Name

Submit for Review

Destination State

 In Review ▼

CANCEL **✓ CREATE**

Selecting the destination state for a new transition on a button trigger.

16. Click **Create**.
17. Follow the steps above to create additional triggers and transitions as needed.

Once a trigger and transition has been created, you can add [conditions](#) or [actions](#) to that transition.

Add a Condition to a Transition

Conditions allow you to control whether an object is moved to a certain state or if an action will be performed. This is done by using fields, formulas, and workflow states to create a formula with parameters that must be met before the transition or action can occur.

- [Formulas Overview](#)
- [Variables, Operators & Functions](#)
- [Null Values in Formulas](#)
- [Formula Examples](#)

EXAMPLE

Your company has a policy that severe incidents must skip the typical review process and must be investigated immediately. As such, for the Incident object type workflow, you create a condition on the Submit for Review trigger that if the “Severe” option has been chosen on the Incident Severity select list, the object is automatically transitioned to the Investigation Required state once the Submit for Review trigger is clicked on a form.

Admin:Edit Workflow

INCIDENT

STATES

CREATION

⚡ TRIGGERS

+ ADD TRIGGER

Submit for Review

⇌ Transitions to In Review or Investigation Required

Save as Draft

⇌ Transitions to Draft

DRAFT

⚡ TRIGGERS

+ ADD TRIGGER

Save changes to draft incident

⇌ Transitions to Draft

Submit for Review

⇌ Transitions to In Review

INCIDENT CLOSED

EDIT TRIGGER

TRANSITION DETAILS

Name

Submit for Review

Destination State

Investigation Required

▼

CONDITIONS

DETAILS

Name

Severe Incidents

VARIABLES

+ ADD VARIABLE

INCIDENTSE

Field: Incident Severity

FORMULA

INCIDENTSE==3

A condition on a transition, as displayed in the Edit Trigger palette on the right.

To add a condition on a transition:



Ensure the **state**, **trigger**, and transition you wish to add the condition to have already been created and configured prior to following the steps below.

1. From the **Edit Workflow** page, click a trigger to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.
3. Click **Add Condition**.

TRANSITION DETAILS

Name

Submit for Review (Severe)

Destination State

Investigation Required

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

The Edit Trigger palette where you can add conditions and actions.

4. **Optional:** Enter a name for the condition in the **Name** field. Conditions are named **Default Condition Formula** by default.
5. Click **Add Variable**.
6. Select either **Field**, **Relationship**, or **Reference** from the **Variable Type** dropdown menu:
 - If you selected **Field**, choose a field or formula from the **Available Components** dropdown menu. The options in this dropdown are fields or formulas added directly to the object type.
 - If you selected **Relationship** or **Reference**:
 - a. Select a relationship or reference saved to the object type from the **Relationship** or **Reference** dropdown menu.
 - b. Select a field, formula, or workflow state from the **Available Components** dropdown menu. These are the fields, formulas, or states saved to the object type(s) in the relationship or reference.
 - c. Select a variable sub-type from the **Sub Type** dropdown menu to specify how the data from multiple objects will be compiled or calculated. See the **Field & Formula Variables** and/or **Workflow State Variables** sections of the [Variables, Operators & Functions](#) article for more information on the available sub-types.



Fields can be added to formulas only if they've been added directly to the object type or if they're saved to an object type associated through a relationship or reference. Only numeric fields, date fields, and select lists with numeric values added to their options are accepted in formulas. See the [Fields](#) category for more information.

7. **Optional:** Enter a name for the variable in the **Name** field. By default, the unique ID of the field or formula is automatically populated.

VARIABLES

Variable Type

Field

Available Components

Incident Severity

Name

INCIDENTSE

Description

☐ Treat empty values as Null

A new condition formula.



Naming a variable after a function will result in an error.

8. **Optional:** Enter a description for the formula in the **Description** field.
9. **Optional:** Select the **Treat empty values as Null checkbox** if objects with blank variables should not be assigned a zero (0) value. See the [Null Values in Formulas](#) article for more information.
10. Click **Create**.
11. Continue adding variables by following steps 5-9 above. To remove a variable, click the  icon beside the variable.

INCIDENTSE

Field: Incident Severity



An existing variable on a condition.

12. Using the variable name(s), enter a formula, including any operators and/or functions, in the **Formula** field (e.g. **INCIDENTSE==3**). See the [Variables, Operators & Functions](#) article for more information.

VARIABLES

+ ADD VARIABLE

INCIDENTSE

Field: Incident Severity

FORMULA

INCIDENTSE==3

Creating a new formula using the variable name.



You must use double equal signs (==) in condition formulas. See the [Variables, Operators & Functions](#) article for more information.

13. Click **Done**.

Actions on Transitions Overview

Actions on transitions (not to be confused with actions on activities) allow you to include additional automated processes as an object moves through its workflow states. These processes include:

- **Messaging:** Sends individual emails to users within the selected roles immediately following an object's transition or as a daily email digest. Administrators can select a default or custom email template, as well as which configurable form is displayed when the user clicks the links provided in the email to view the object.
- **Role Management:** Automatically adds a user within a specified role with explicit permissions to the object once it has successfully transitioned into its next state. This action is used to allow users within the role the ability to view objects in their next states without adding them manually through the [role element](#) on a configurable form. For example, Role Management could be used should your organization wish to allow users in the Incident Creator role to be able to automatically view the incident objects they just created while those objects are in the In Review state.
- **Send Orchestration Event:** Moves multiple objects in different states or from different object types into another state. For example, when this action is added to the Audit object type, closing an audit object will also close all open issues. Once an event action has been created, a Consume Orchestration Event trigger is added to the other object types/states that will use the event. The object types this action can be added to is determined by the data definition selected when the action is created.
- **Clear Fields/Roles/Relationships:** Clears the values from selected fields, roles, or relationships on a form. These actions are helpful when users want to relaunch an assessment, but don't want to manually clear previous assessment data. Note that you cannot use this action to clear formula data.
- **Set Field Value:** Auto-completes a **Date & Time** or **Select List** field. For select lists, administrators can choose which option is auto-populated. For date and time fields, admins can auto-populate the current date, the current date plus a selected number of days, or the current date less a selected number of days. This action could be used to set time stamps for start or completion dates on assessments, set deadlines, extend deadlines, etc.
- **Create Object:** Creates a relationship or reference object when a trigger is clicked on a form. All fields will be blank, with the exception of any [Name/Description](#) or [plain text field](#) concatenations that may have been configured on the relationship or reference object type.
- **Pull Data Values:** Copies field values or relationships from related objects. To copy field values, the same fields must be added to both object types as components, while relationships must meet certain requirements. Object properties and the **Attachment** and **Image Attachment** fields are not supported in this action.

ACTIONS

Type

Role Management

Name

Assign to Manager

Select Type of Role Change

Add Current User To Role

Roles

Q

Managers

CANCEL

✓ DONE

An action on a trigger.

To add an action to a transition, see the following articles:

- [Add a Messaging Action to a Transition](#)
- [Add a Role Management Action to a Transition](#)
- [Add a Send Orchestration Event Action to a Transition](#)
- [Add a Clear Fields, Roles or Relationships Action to a Transition](#)
- [Add a Set Field Value Action to a Transition](#)
- [Add a Create Object Action to a Transition](#)
- [Add a Pull Data Values Action to a Transition](#)

Add a Messaging Action to a Transition

The **Messaging** action sends an [email](#) to users within one or more selected roles once objects have successfully transitioned to the next state. To control the contents of the email, you can choose a [default](#) or [custom](#) email template and select which configurable form is displayed when the user clicks the link provided in the email to view an object. When creating this action, you must choose one of the following delivery frequencies:

- **Immediate:** Sends an email to users in the selected role(s) immediately following the object's transition.
- **Nightly:** Sends a single email to users in the selected role(s) with a list of the objects that transitioned. If additional nightly messaging actions have been added to other workflows or object types, a single email digest with those objects will be sent to the user **only if the same role and email template has been selected on each messaging action**. If a different role and/or template has been selected for multiple workflows or object types, users may receive multiple nightly emails. Nightly emails are sent at 12:00 am UTC time.

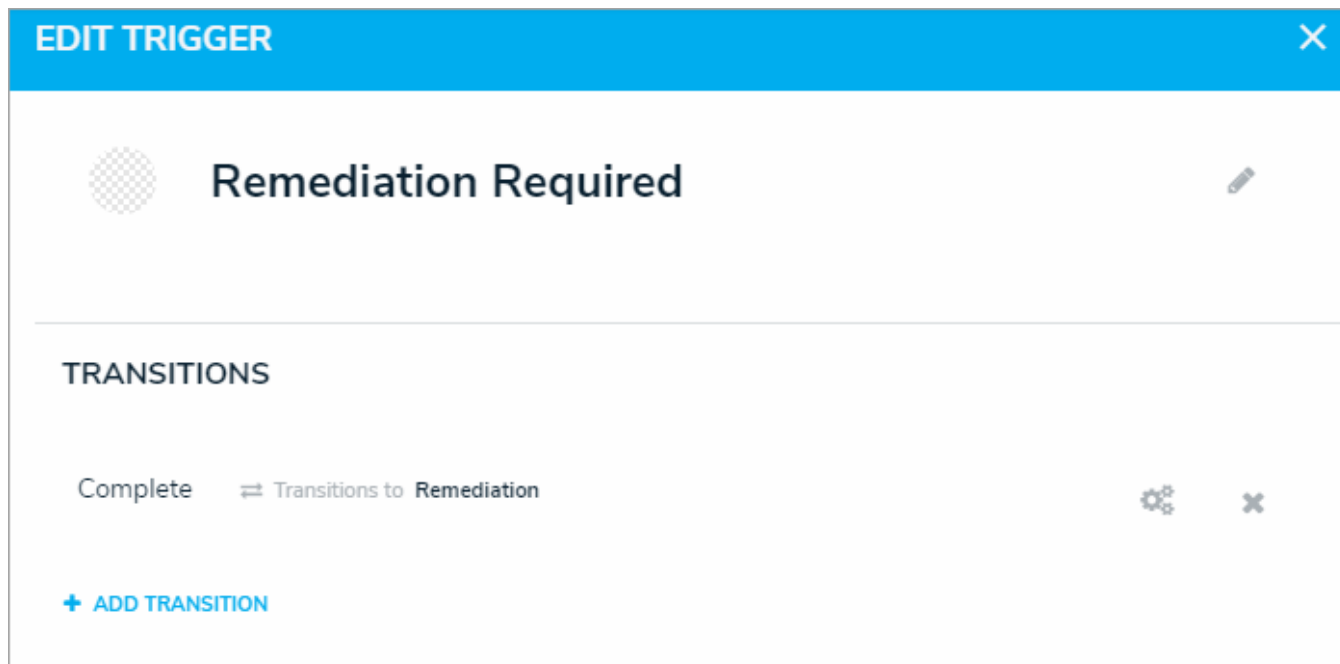
Before you can create this action on a workflow state, a transition must be created. See [Add a Trigger & Transition to a State](#) article for instructions.



The role(s) added to the **Messaging** action must be properly configured for the selected object type and workflow state. See the [Roles](#) and [Workflow Permissions](#) sections for more information.

To add a Messaging action to a transition:

1. From the **Edit Workflow** page, click a trigger below a state to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.



A transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.



Remediation Required



TRANSITION DETAILS

Name

Destination State

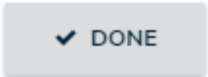

Remediation


CONDITIONS



ACTIONS





The Transition Details, Conditions, and Actions sections sections of the Edit Trigger palette.

4. Select **Messaging** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Select **Email** from the **Message Types** dropdown menu.
7. Select the roles that should receive the email from the **Roles** dropdown menu.
8. Select a **default** or **custom** template (if any) from the **Email Template** dropdown menu. The default templates (which may have been renamed or edited) include:
 - **Standard:** Advises the user the one or more objects can be accessed.
 - **Assigned:** Advises the user that one or more objects have been assigned to them.
9. Select the configurable form from the **Form Template** dropdown menu. This is the form that will be displayed when the user clicks on an object link in the email.
10. Select one of the following options from the **Delivery Frequency** dropdown menu:
 - **Immediate:** Sends an email to the users in the role(s) immediately following an object's transition. This is the default frequency.

- **Nightly:** Sends an email to the users in the role(s) at 12:00 am UTC time. If additional actions with a nightly frequency have been added to other object types or workflows using the same role and email template, the user will receive a single email digest for multiple object types.

ACTIONS

Type

Messaging

Name

Remediation Required

Message Types

Email x

Roles

Control Owner x

Email Template

Assigned

Form Template

Control - SOX Control Review

Delivery Frequency

Immediate

CANCEL

✓ CREATE

A new Messaging action.

11. Click **Create**.

Add a Role Management Action on a Transition

The **Role Management** action automatically adds a user within a specified role with explicit permissions to the object once it has successfully transitioned into its next state. This action is used to allow users within the role the ability to view objects in their next states without adding them manually through the [role element](#) on a configurable form. For example, this action could be used should your organization wish to allow users in the Incident Creator role to be able to automatically view the incident objects they just created while those objects are in the In Review state.

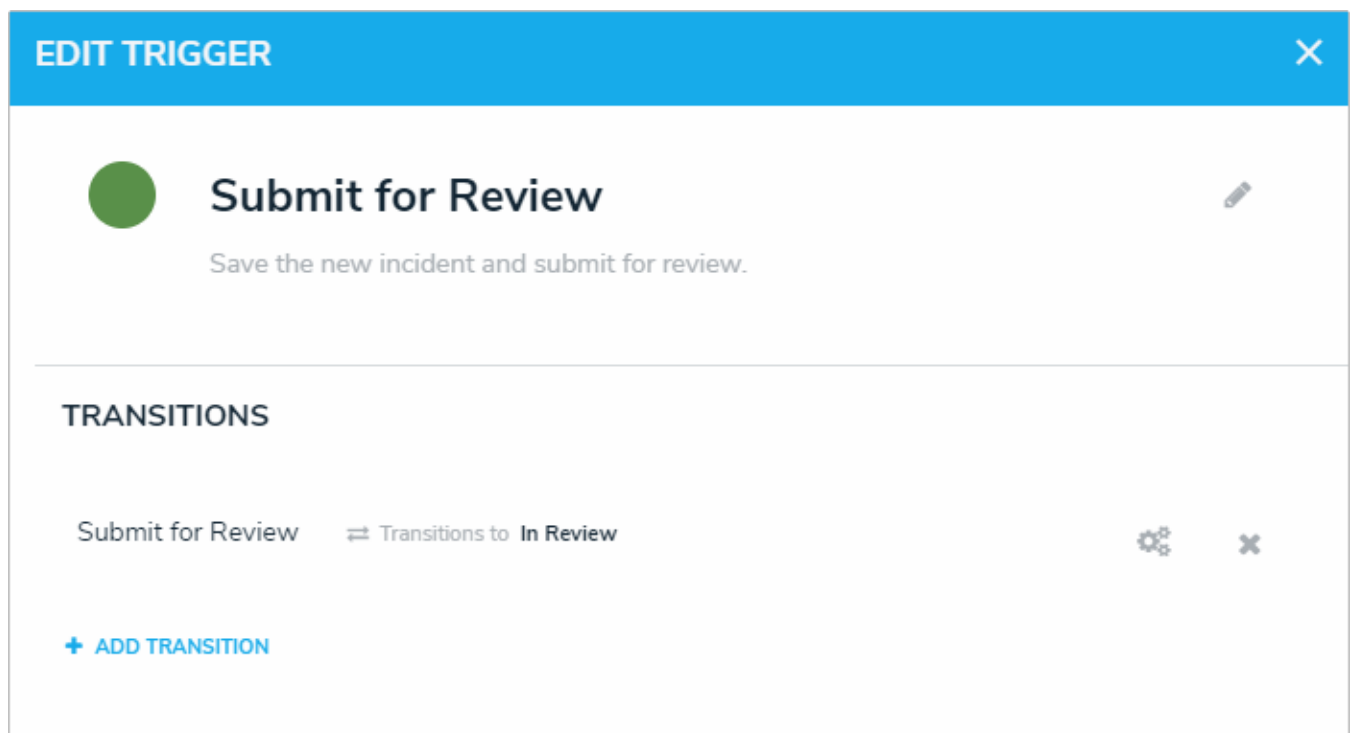
Before you can create this action on a workflow state, a transition must be created. See [Add a Trigger & Transition to a State](#) article for instructions.



The role(s) added to the **Role Management** action must be properly configured for the selected object type and workflow state. See the [Roles](#) and [Workflow Permissions](#) sections for more information.

To add a Role Management action to a transition:

1. From the **Edit Workflow** page, click a trigger below a state to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.



A transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Submit for Review

Destination State

In Review

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions sections of the Edit Trigger palette.

4. Select **Role Management** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Select **Add Current User to Role** from the **Select Type of Role Change** dropdown menu.
7. Select the roles that should receive the email from the **Roles** dropdown menu.
8. Select one or more roles from the **Roles** dropdown menu or search for roles as needed.

ACTIONS

Type

Role Management

Name

Assign to Manager

Select Type of Role Change

Add Current User To Role

Roles

Q

Managers

CANCEL

✓ CREATE

A new Role Management action.

9. Click **Create**.

Add an Orchestration Event Action on a Transition

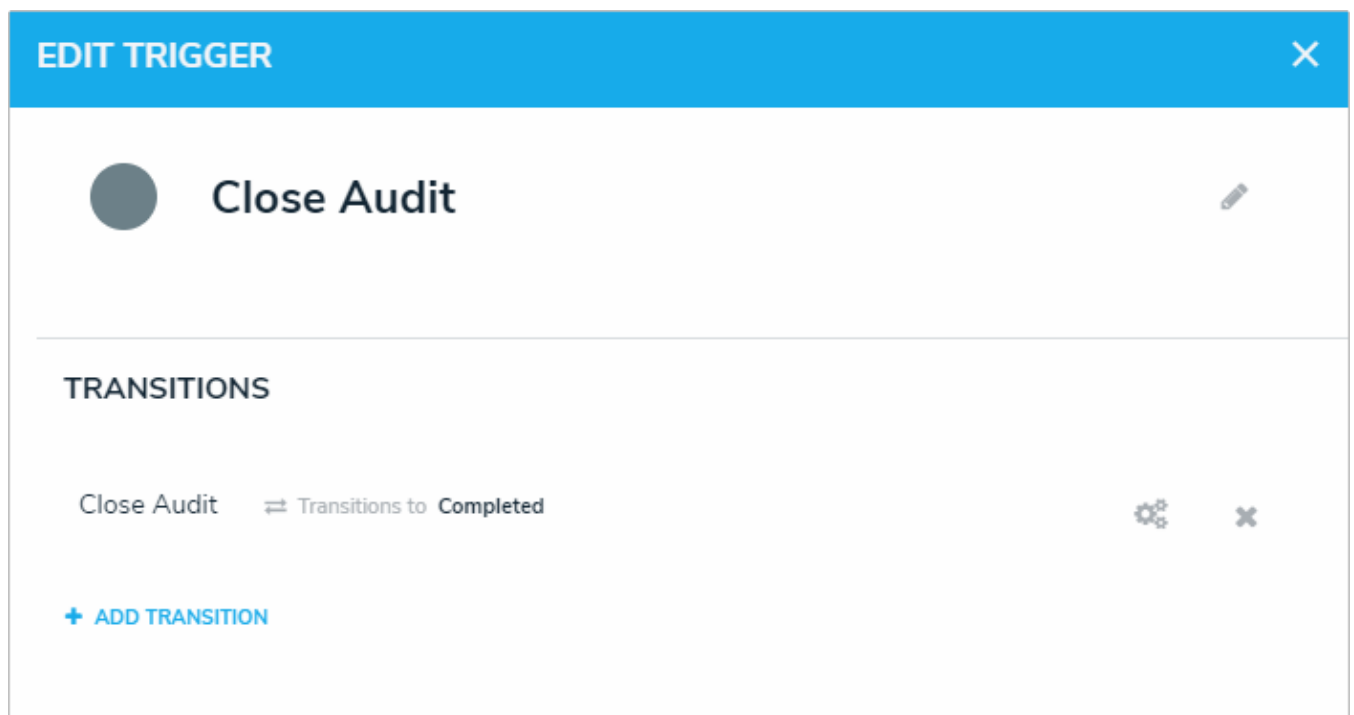
The **Send Orchestration Event** action transitions multiple objects in different states or from different object types into another state. For example, when this action is added to the Audit object type, closing an audit object will also close all open issues at the same time because those issues are no longer applicable.

Once an event has been created, it can be added to other states in the same workflow or on other object types as a **Consume Orchestration Event trigger**. The object types this action can be added to is determined by the [data definition](#) selected when the action is created.

Before you can create this action on a workflow state, a transition and **Consume Orchestration Event** trigger must be created. See [Add a Trigger & Transition to a State](#) article for instructions.

To add a Send Orchestration Event action to a transition:

1. From the **Edit Workflow** page, click a trigger below a state to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.



A transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Close Audit

Destination State

Completed

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions sections of the Edit Trigger palette.

4. Select **Send Orchestration Event** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Choose a data definition from the **Data Definition** dropdown menu. Ensure the data definition selected includes all other object types you intend to add this action to.

ACTIONS

Type

Send Orchestration Event

Name

Close all issues

Select a Data Definition

Audit > Issues

CANCEL

✓ CREATE

A new Send Orchestration Event action.

7. Click **Create**.

Once successfully created, you can add this action to additional states or object types. You can also use this action to create a trigger on the same object type or additional object types. Note that you can only add this action or trigger to object types that have been selected in the chosen data definition in step 6 above.

Add a Clear Fields, Roles or Relationships Action to a Transition

The **Clear Fields**, **Clear Roles**, and **Clear Relationships** actions clear the values from selected fields, roles, or relationships on a form (excluding formulas). These features are particularly helpful to users who are working with existing assessments because they avoid the need to go into the assessment and manually remove data that's no longer applicable.

For example, the **Clear Fields** or **Clear Relationships** actions could be used when a user is relaunching an assessment, while the **Clear Roles** may be used when assigning an object type or assessment to a new user in a different role.

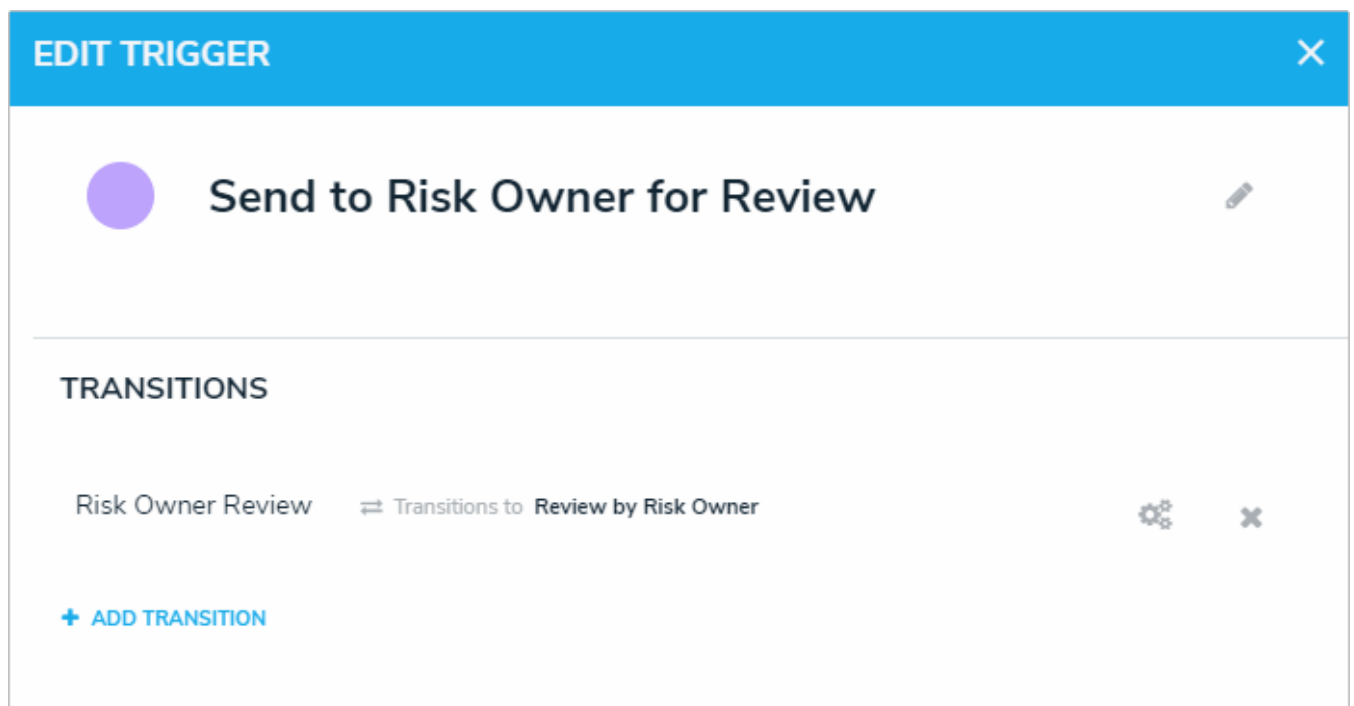
Before you can create these actions on a workflow state, the fields, roles, and relationships must be added to the object type as components and a transition must be created. See [Add a Trigger & Transition to a State](#) article for instructions.



Because the **Clear Roles** action takes precedence over the **Role Management** action, avoid adding both these actions to the same transition as the **Clear Roles** action will clear all roles, including any specified in the **Role Management** action, from the form.

To add a Clear Fields, Clear Roles, or Clear Relationships action to a transition:

1. From the **Edit Workflow** page, click a trigger below a state to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.



A transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Risk Owner Review

Destination State

Review by Risk Owner

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions section of the Edit Trigger palette.

4. Select **Clear Fields**, **Clear Roles** or **Clear Relationships** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Depending on your selection in step 4 above, make the following selection in the dropdown menu:
 - If you selected **Clear Fields** in the **Type** dropdown menu, select the fields you wish to clear data from (once the object transitions) from the **Fields** dropdown menu.
 - If you selected **Clear Roles** in the **Type** dropdown menu, select the roles field you wish to clear data from (once the object transitions) from the **Roles** dropdown menu.
 - If you selected **Clear Relationships** in the **Type** dropdown menu, select the relationship fields you wish to clear data from (once the object transitions) in the **Relationships** dropdown menu.

ACTIONS

Type

Clear Fields

Name

Clear form

Fields

Q

Automated Control

×

Key Control

×

CANCEL

✓ CREATE

A new clear action.

7. Click **Create**.

Add a Set Field Value Action to a Transition

The **Set Field Value Action** auto-completes one of the following fields saved to the object type:

- A **Date & Time** field based on the date the object transitioned to the next state. For example, this action could be used to add a date to the Completed Date field once the object moves from the In Progress state to the Complete state. Administrators can choose to auto-populate the current date, the current date plus a selected number of days, or the current date less a selected number of days. This action could be used to set time stamps for start or completion dates on assessments, set deadlines, extend deadlines, etc.



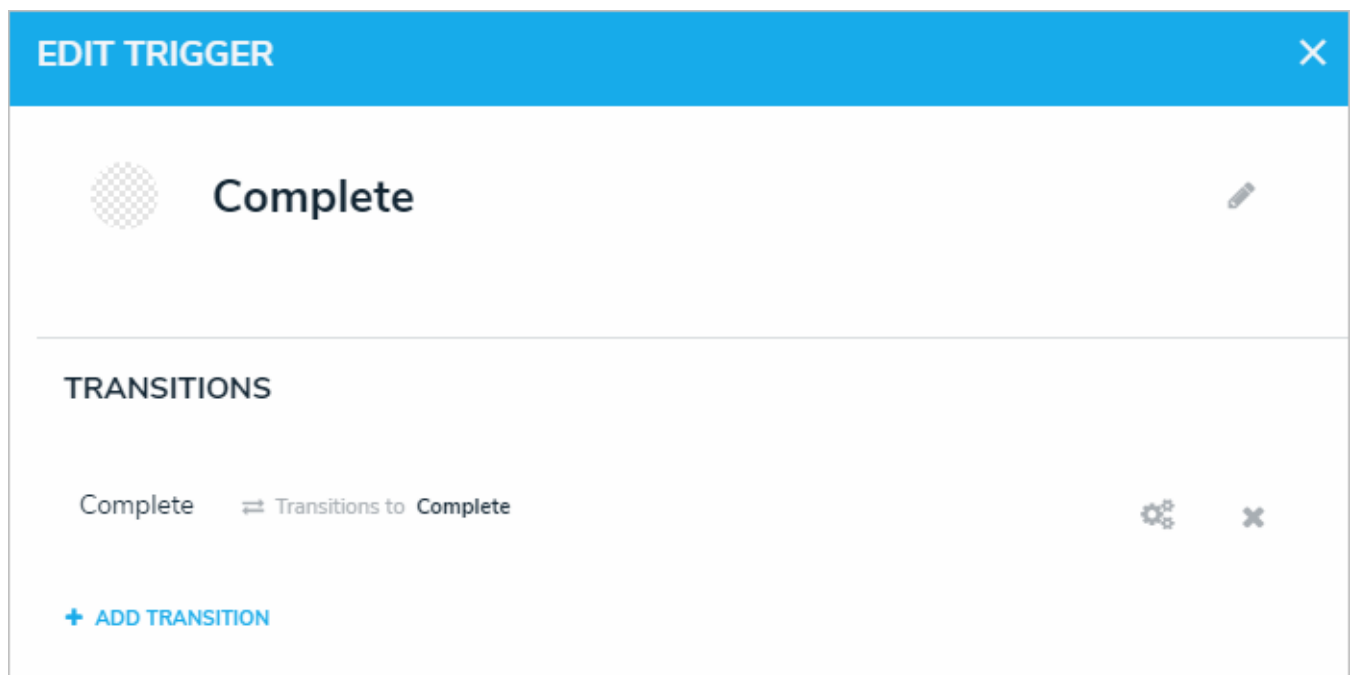
The date and time captured in this action is in UTC time.

- A **Select List** field, including multi-select lists, which auto-fills a pre-defined option or options. For example, this action could be used to select a High Priority option when an Incident object moves from the Open to Escalated state.

To add a Set Field Value action to a transition:

1. From the **Edit Workflow** page, click a trigger below a state to open the **Edit Trigger** palette.

2. Click the  icon next to the transition.



A transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Complete

Destination State

Complete

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions sections of the Edit Trigger palette.

4. Select **Set Field Value** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Select a **Date & Time** or **Select List** field added to the object type from the **Field** dropdown menu.
7. If field is a date and time field, select one of the following options from the **Value** dropdown menu:
 - **Set Current Date:** Adds the date the object transitioned.
 - **Set Current Date and Add x Days:** Adds the current date the object transitioned, plus an additional number of days. If you select this option, enter the number of days to add in the **Days** field.
 - **Set Current Date and Subtract x Days:** Adds the current date the object transitioned, but subtracts a selected number of days. If you select this option, enter the number of days to subtract from the current date in the **Days** field.

ACTIONS

Type

Set Field Value

Name

Complete Report Date

Field

Q Completed Date

Value

Set Current Date and Add x Days

Days

5

CANCEL

✓ CREATE

A new Set Field Value action for a date and time field.

- If the field is a select list, choose an option from the **Value** dropdown menu. If the field is a multi-select list, you can select multiple options.

ACTIONS

Type

Set Field Value

Name

Escalated Issue Type

Field

Q Issue Type

Value

Human Error

CANCEL

✓ CREATE

A new Set Field Value action for a select list field.

- Click **Create**.

Add a Create Object Action to a Transition

The **Create Object** action automatically creates a new [relationship](#) or [reference](#) object and moves the originating object to the next state once the associated trigger is clicked on a form. When adding the **Create Object** action to a transition, note that:

- Only the **Button** trigger type can be selected with this action.
- This action cannot be added to a transition on the [Creation](#) state.
- All fields in the new object will be blank, with the exception of [Name/Description](#) or [plain text field](#) concatenations that may have been configured for the new object.
- If the relationship or reference object type has required fields or the user doesn't have the proper permissions to create the object, the transition will fail.



The **Create Object** action should not be used to create objects in bulk.

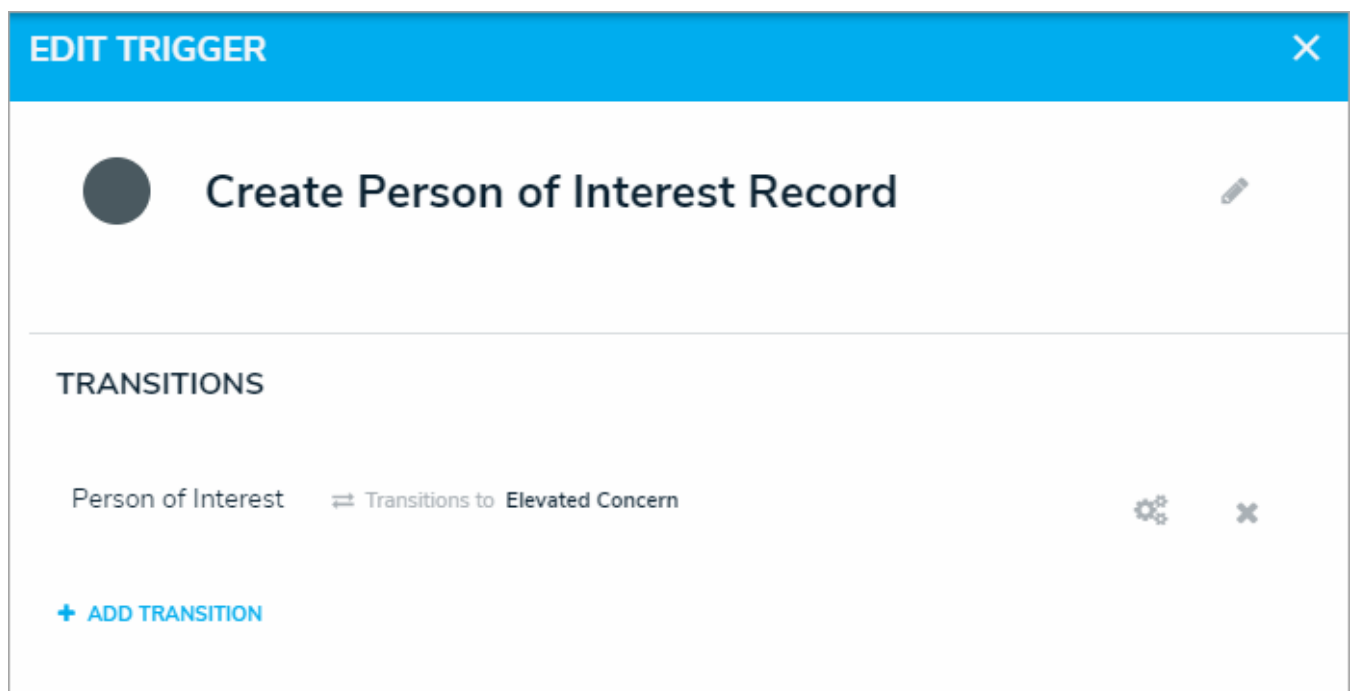
To add a Create Object action to a transition:

1. From the **Edit Workflow** page, add a button [trigger and transition](#) to the appropriate state or click a trigger to open the **Edit Trigger** palette.



This action cannot be added to the **Creation** state.

2. Click the  icon next to the transition.



A trigger and transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Person of Interest

Destination State

Elevated Concern

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions sections of the Edit Trigger palette.

4. Select **Create Object** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Select the object type you wish to create the object for from the **Object Type** dropdown menu. Object types are identified by their names on the left and relationship or reference name on the right.

Object Type

Q Person of Interest

▼

Involved Person

INCIDENT HISTORY

REFERENCE

Location History

RESIDENCE HISTORY

RELATIONSHIP

Intake

REFERENCE

Person of Interest

PERSON OF INTEREST

RELATIONSHIP

Case

TARGETED ON CASE

REFERENCE

Social Media

SOCIAL MEDIA ACCOUNTS

RELATIONSHIP

Student Record

STUDENT RECORD

RELATIONSHIP

Officer Response

REFERENCE

Person of Interest

IDENTIFIED AS PERSON OF INTEREST

REFERENCE

Service Request

REFERENCE

Location

RELATED LOCATIONS

REFERENCE

The Object Type dropdown menu.

7. Click **Create**.

ACTIONS

Type

Create Object

▼

Name

POI

Object Type

Q Person of Interest

▼

Creation Trigger

Q Create

▼

CANCEL

✓ CREATE

A new Create Object action.

8. Ensure the trigger for this action has been added to the appropriate configurable form and the users who will be clicking the trigger have the appropriate workflow permissions. See the [State Triggers on Forms](#) and [Workflow Permissions](#) articles for more information.

Add a Pull Data Values Action to a Transition

The **Pull Data Values** action automatically copies values from fields and/or relationships and inserts them into the current object as it moves to the next state in the workflow. For example, if you needed to create an incident object from an activity, this action would automate the process by copying over important fields and relationships.

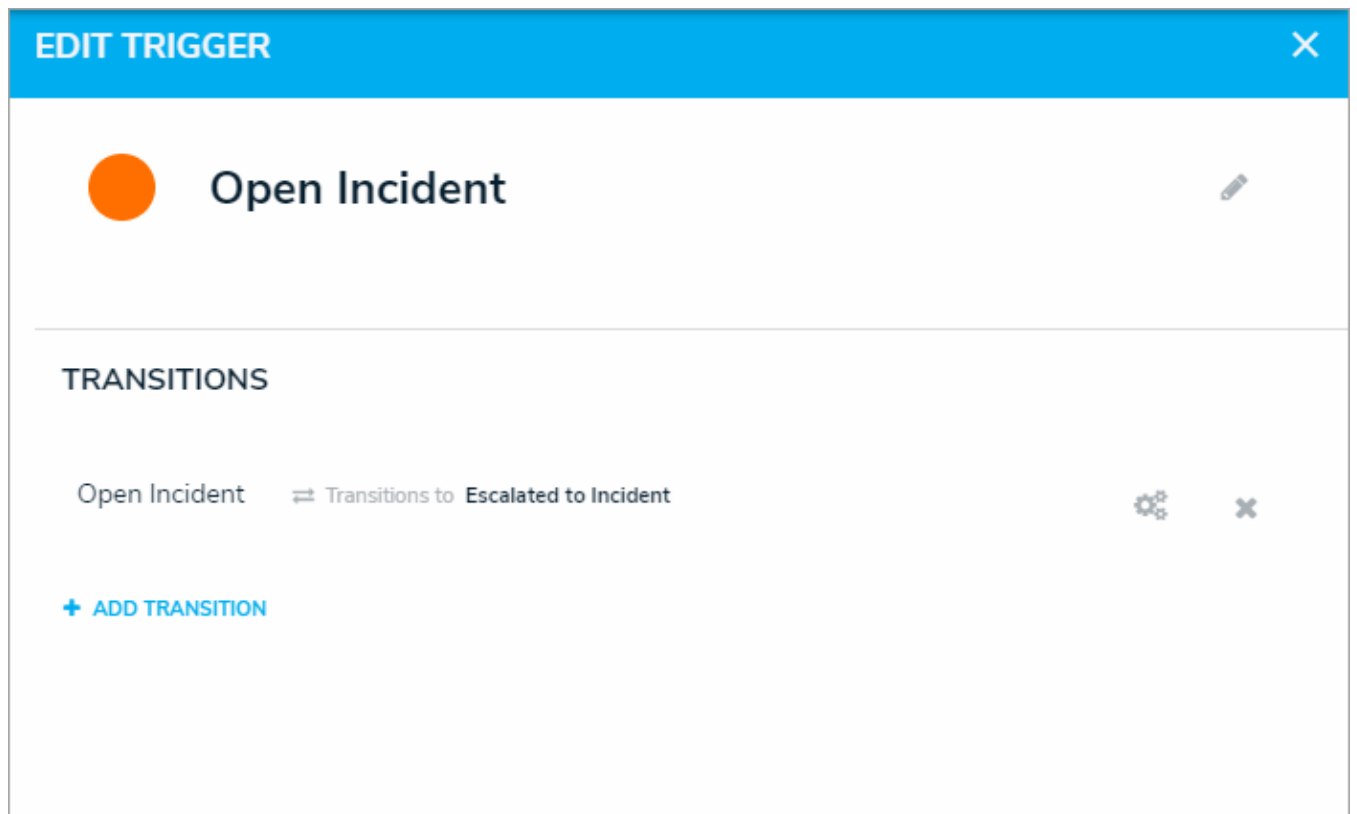
Important Notes

- Copying field values requires that those fields are added to both object types as components. See [Add Fields to an Object Type](#) for more information.
- Object type properties, **Attachments**, and **Image Attachments** are not supported on this action.
- It's strongly recommended that relationships that connect to a maximum of one object are selected in this action. For example, if the Activity object is related to several Person objects through the Person of Interest relationship, the Person of Interest relationship shouldn't be selected for the action. However, if each of those Person objects are related to a single Location object through the Primary Residence relationship, the Primary Residence relationship would be ideal for the action.
- If a relationship that connects to more than one object is selected for the action, data values are pulled from the most recently created object.
- To copy relationships, both the parent and child object types must have relationships with the same name that connect to the same object type group. For example, if both the Incident (child) and Activity (parent) object types have a Person of Interest relationship to the Person object type, that relationship on Activity could be selected in the action.

Instructions

To add a Pull Data Values action to a transition:

1. From the **Edit Workflow** page, add a button [trigger and transition](#) to the appropriate state or click a trigger to open the **Edit Trigger** palette.
2. Click the  icon next to the transition.



A trigger and transition on the Edit Trigger palette.

3. Click **Add Action** in the **Actions** section.

TRANSITION DETAILS

Name

Open Incident

Destination State

Escalated to Incident

CONDITIONS

+ ADD CONDITION

ACTIONS

+ ADD ACTION

✓ DONE

The Transition Details, Conditions, and Actions sections of the Edit Trigger palette.

4. Select **Pull Data Values** from the **Type** dropdown menu.
5. Enter a name for the action in the **Name** field.
6. Select an object type from the **Object Type** dropdown menu. Object types are identified by their names to the left and their relationship or reference name to the right. In order for object types to appear in this dropdown menu, they must meet certain criteria. See the **Important Notes** section of this article for more information.

ACTIONS

Type

Pull Data Values

Name

Pull activity data

Object Type

Incident Type

Incident Type

PRIMARY INCIDENT TYPE

RELATIONSHIP

Select one...

CANCEL

✓

CREATE

A new Pull Data Values action.

7. Select one or more fields, relationships, or references to copy from the **Data** dropdown menu.

ACTIONS

Type

Pull Data Values

Name

Pull activity data

Object Type

Incident Type

Data

Incident Reported DateTime

×

Incident Priority

×

Incident Category

×

CANCEL

✓

CREATE

Fields selected in the Data dropdown menu.

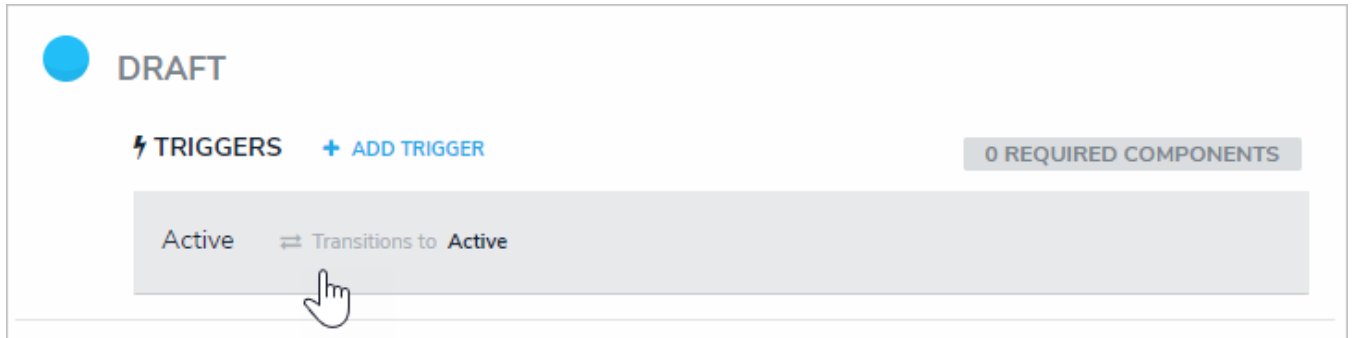
8. Click **Create**.
9. Ensure the trigger for this action has been added to the appropriate configurable form and the users who will be clicking

the trigger have the appropriate workflow permissions. See the [State Triggers on Forms](#) and [Workflow Permissions](#) articles for more information.

Edit or Delete a Trigger, Transition, or Action

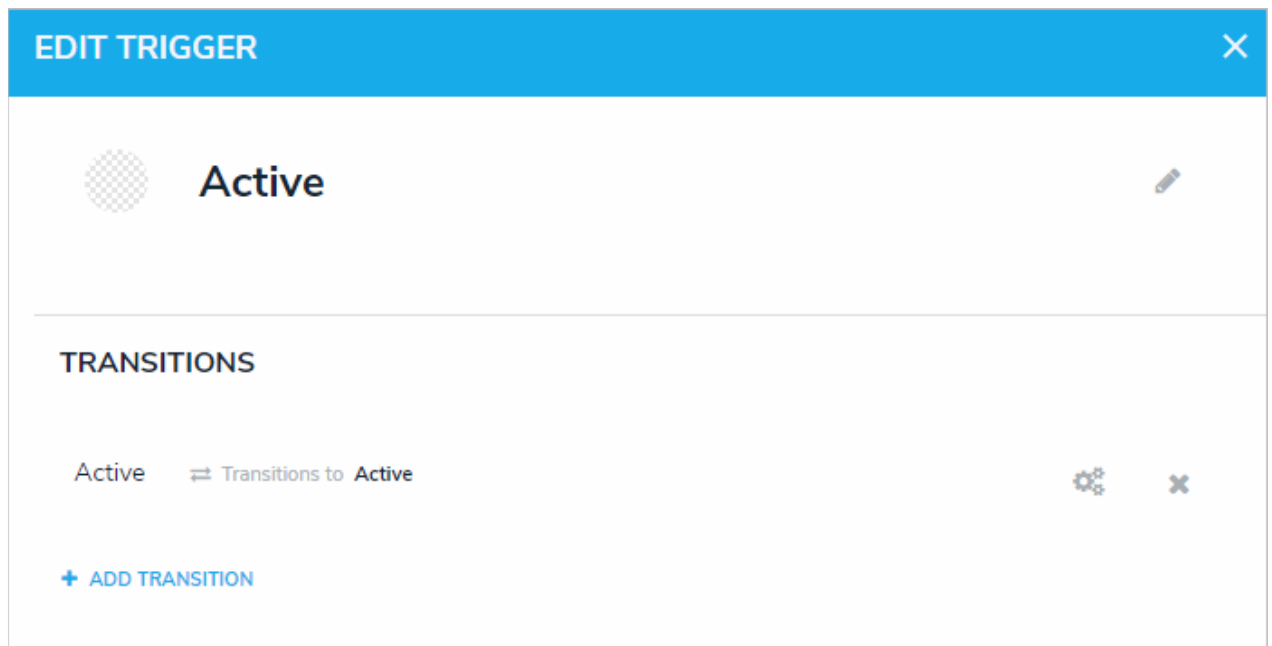
To edit or delete a trigger, transition, or action:

1. Click the  icon in the top bar > **Object Types** in the **Data Model** section.
2. Click **Configure Workflow**. If there are multiple workflows saved to the object type, click one in the list.
3. Click the trigger you want to edit or delete to open the **Edit Trigger** palette.



Clicking a trigger to open the Edit Trigger palette.

4. To edit a trigger:
 - a. Click the  beside the trigger name to show the trigger settings.
 - b. To change the trigger type, select one from the **Type** dropdown menu. See [Add a Trigger & Transition to a State](#) for more information on the different trigger types.
 - c. Make changes to the name, description, and color, as needed.
 - d. To delete the trigger, its transitions, conditions, and actions, click **Delete**.
 - e. Click **Done** when finished.
5. To edit a transition:
 - a. Click the  icon in the **Transitions** section.



Transitions on a trigger. Settings can be accessed by clicking the gear icon beside the transition.

- b. Make changes to the transition name and destination state, as needed.
 - c. To edit or delete a condition or action saved to a transition, click the  icon beside the action or transition.
 - d. To delete the transition and any actions or conditions added to it, click the  icon, then click **Yes** to confirm.
6. Click the  icon when finished.

Formulas Overview

Similar to the formulas used in Excel, Resolver formulas perform calculations using numeric data drawn from select lists, numeric fields, other formulas, or workflow states.

To perform the calculations on this data, administrators create **variables** that represent the fields, formulas, or states. These variables are then added to a code, along with an **operator** (a character in programming and mathematics that represents an action such as add, subtract, or multiply) and/or a **function** (a block of code that performs an action, such as calculating the sum of all values). If the code is valid, the formula produces a numeric result which can be used to draw conclusions (e.g. KRI Status, Estimated Damage, Net Loss, or Average Impact).

EXAMPLE

When an incident involves a vehicle, a formula that estimates a vehicle’s damage as Low, Medium, High, or Very High would help managers know whether or not they should escalate the incident. To create the formula, you add a relationship that links Incidents back to the Vehicle object type, then create an “Estimated Vehicle Damage” formula that uses the Blue Book Value numeric field on the Vehicle object to estimate the severity of the damage.

Vehicles Involved

Blue Car

×

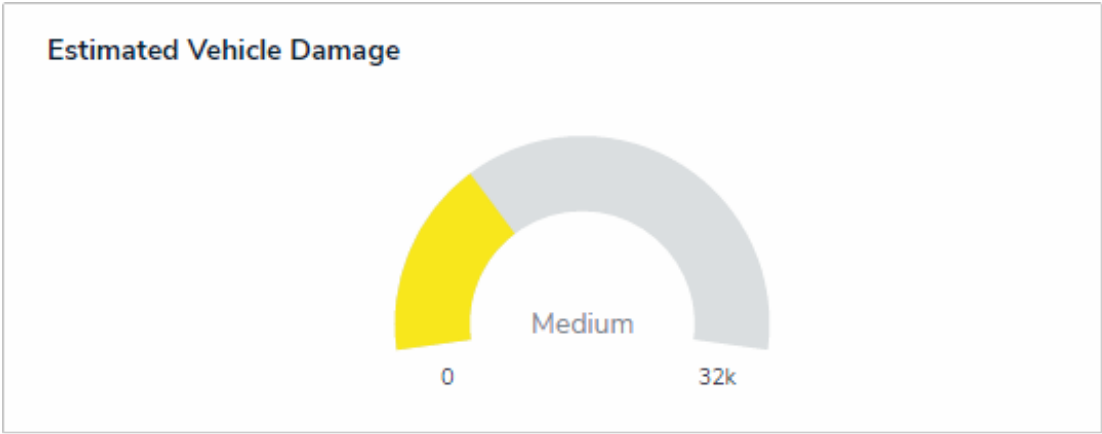
▼

+

Estimated Vehicle Damage

Medium

A formula on an object type. In this case, the Estimated Vehicle Damage formula is pulling data from the Vehicles Involved relationship, where numeric data about the vehicle’s value has been entered.



A formula displayed as a gauge on an object.



Formulas displayed as cards.

Formulas can be used in a number of components in Resolver Core, including:

- A [condition](#) on a workflow transition to control whether an object is moved to another state;
- A configurable form as a [form element](#) through which the results can be displayed as numbers, labels (e.g. Low, Medium, High), both numbers and labels, a gauge, or a formula card.
- A rule on a configurable form section to control [section visibility](#) ; and
- A [data visualization](#) to display formula data in a chart, table, heat map, or data grid.

Before a formula's results can be displayed on a form or data visualization, it must be added to an object type as a component. Note, however, that it's still possible to pull data from formulas on a data visualization, condition, or as a variable in another formula, even if the formula's results aren't displayed on a form. See [Add Formulas to an Object Type](#) for more information.

Variables, Operators & Functions

A formula uses numeric data from a [select list](#), [numeric](#) or [date](#) field, another formula, or workflow state to perform a calculation. This code is comprised of the following components:

- **Variable:** A value on which the calculations are performed. Variables represent the values from a select list, numeric field, another formula, or workflow state. Because formulas use data that can change, all variables must be assigned a name (e.g. LIKELIHOOD for the Likelihood field) that allows the calculations to remain valid, even if the values change. If you're creating a variable using a field, formula, or state from relationship or reference object types, you must select a **variable sub-type** to specify how the data from multiple objects is compiled, calculated, and displayed.
- **Operator:** A character that represents an action. Operators are typically used to perform arithmetic actions (e.g. + for add or * for multiply), but they can also be used to group or compare variables. Operators can be used in formulas that contain a function and multiple operators can be added to a single formula.
- **Function:** A block of code that performs calculations on multiple values. For example, SUM(LOSS) calculates the total values from the Loss numeric field across multiple objects. Because functions require multiple values to complete the calculation, **Relationship** and **Reference** variable types are typically used with functions, however, it's possible to perform functions using fields or formulas added directly to the object type. Functions can be used in formulas that contain operators and multiple functions can be added to a single formula.

Net Loss Formula

TOTALLOSS-TOTALRECOVERED

■ Variable

■ Operator

A formula with two variables and an operator.

Average Impact

MEAN(IMPACT)

■ Variable

■ Function

A formula with a variable and a function.

% of Samples Failed

(SUM(FAILED))/(SUM(TESTED))*100

■ Variable

■ Operator

■ Function

A formula with two variables, four operators (grouping, division, and multiplication), and two functions.

The formulas, operators, and functions in this article are not an exhaustive list of available options. If your organization requires a more complex formula, contact [Resolver Support](#) for assistance.

Field & Formula Variables

Field and formula variables represent the values pulled from numeric fields, date fields, formulas, or select lists, which is the data on which the formula calculations are performed. When using fields or formulas in a **Relationship** or **Reference** variable, a variable **sub-type** must be selected to determine how the data from multiple objects will be compiled, calculated, and displayed. For information on workflow state variable sub-types, see the **Workflow State Variables** section below.

213

Sum	Calculates a total from the variable's set of values and returns a single number. This subtype is not available for select list variables.	VARIABLEA will return the sum of all values pulled from VARIABLEA on every object in the relationship/reference (e.g. 127).
Count	Returns the number of times a variable has been added to an object, thereby counting the number of objects in the relationship/reference.	Selecting the Count sub-type for VARIABLEA will return the number of times VARIABLEA appears on the objects in the relationship/reference (e.g. 5).
Average	Calculates an average number from the variable's set of values. This subtype is not available for select list variables.	Selecting the Average sub-type for VARIABLEA will return the sum of all numeric values in VARIABLEA, divided by the number of objects in the relationship/reference (e.g. $(100 + 9 + 13 + 4 + 1) / 5 = 25$).
Every	Checks if the variable contains a value on the objects in the relationship/reference. If all objects contain <i>any</i> value, a 1 (representing a true result) is returned. If some or all of the objects are missing a value, a 0 (representing a false result) is returned. This subtype does not check for specific values and is typically used in a workflow condition to control if an object can move into the next state.	Selecting the Every sub-type for VARIABLEA will check if VARIABLEA contains a value on all the objects in the relationship/reference. If all the objects contain a value, the result is 1 (true). If some or all of the objects are missing a value, the result is 0 (false).
Max	Calculates the highest number from the variable's set of values. This subtype is not available for select list variables.	Selecting the Max sub-type for VARIABLEA will return the highest number from the set of values (e.g. 100).
Min	Calculates the lowest number from the variable's set of values. This subtype is not available for select list variables.	Selecting the Min sub-type for VARIABLEA will return the lowest number from the set of values (e.g. 1).

Workflow State Variables

Workflow state variables represent the current state of one or more objects in a **Relationship** or **Reference** variable type using states from the object type's workflow or any related assessment workflows. These variables require a **sub-type** to determine how the state data will be compiled, calculated, and displayed. Both library and assessment workflow states can be selected in these variable types.

VARIABLES

Variable Type

Relationship

Relationship

Issues

Available Components

Closed

Sub Type

All

Name

CLOSEDISSUE

Description

A workflow state variable type. The All sub-type is selected by default.

Note that the examples in the table below use CLOSEDISSUE as the variable, which represents the Closed workflow state of objects in the Issues relationship.

SUB-TYPE NAME	DESCRIPTION	EXAMPLE
All	Checks if all objects in the relationship or reference are in the state selected in the Available Components dropdown menu. If all the objects are in the specified state, a 1 (representing a true result) is returned. If some or all of the objects aren't in the specified state, a 0 (representing a false result) is returned. This is the default sub-type for workflow state variables.	Selecting the All sub-type for the CLOSEDISSUE variable will check if all the objects in the Issues relationship are in the Closed state. If all objects are in the Closed state, the result is 1 (true). If some or all of the objects are not in the Closed state, the result is 0 (false).

Any	Checks if any of the objects in the relationship or reference are in the state selected in the Available Components dropdown menu. If some or all of the objects are in the specified state, a 1 (representing a true result) is returned. If none of the objects are in the specified state, a 0 (representing a false result) is returned.	Selecting the Any sub-type for the CLOSEDISSUE variable will check if any of the objects in the Issues relationship are in the Closed state. If some or all of the objects are in the Closed state, the result is 1 (true). If none of the objects are in the Closed state, the result is 0 (false).
Count	Returns the number of objects in the relationship or reference that are currently in the state selected in the Available Components dropdown menu.	Selecting the Count sub-type for the CLOSEDISSUE variable will return the number of objects in the Issues relationship that are currently in the Closed state (e.g. 12).

Operators

Operators are used to perform basic calculations, compare, assign, or group data, or compare data to return a true or false (Boolean) result.

Examples in the table below that include an ellipsis (...) indicate that the operator and its components cannot be used as a standalone formula and must be part of a larger formula.

OPERATOR	NAME	DESCRIPTION	EXAMPLE	RESULT
()	Grouping	Groups variables and operators within a formula to create a single value.	2 * (3 + 4) ...	14
+	Add		4 + 5	9
-	Subtract		7 - 3	4
*	Multiply		2 * 3	6
/	Divide		6 / 2	3
==	Equal to	Checks if the variable's value matches the value entered	X == 4 ...	If X has a value of 4,

		following the == symbol. If so, the result is true .		the result is true .
!=	Unequal	Checks if the values of two variables are different. If they're different, the result is true .	2 != 3	True
?:	Conditional expression	Checks if the value of a variable is true or false . If true , the result is the value entered after the ? symbol. If false , the result is the value entered after the : symbol.	15 > 100 ? 1 : -1	-1
<	Less than	Checks if the value of the left variable is less than the value of the right variable. If yes, the result is true .	2 < 3	True
>	Greater than	Checks if the value of the left variable is greater than the value of the right variable. If yes, the result is true .	2 > 3	False
<=	Less than or equal to	Checks if the value of the left variable is less than or equal to the value of the right variable. If yes, the result is true .	4 <= 3	False
>=	Greater than or equal to	Checks if the value of the left variable is greater than or equal to the value of the right variable. If yes, the result is true .	2 + 4 >= 6	True
and	Logical <i>and</i>	If both variables are true , the result is true . If either or both variables are false , the result is false .	X == 5 AND Y == 5 ...	If both X and Y have a value of 5, the result is true . If either X or Y has a value other than 5, the result is false .

or	Logical <i>or</i>	If either or both of the variables are true , the result is true . If one or both of the variables is false , the result is false .	X == 4 OR Y == 3 ...	If Y has a value of 4, the result is true . If X is false , but Y is 3, the result is true . Otherwise, the result is false .
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Functions

Functions perform a task or calculate a value. Because functions require multiple values to complete the calculation, **Relationship** and **Reference** variable types are typically used with functions, however, it's possible to perform functions using fields or formulas added directly to the object type.

NAME	DESCRIPTION	EXAMPLE	RESULT
Max	Calculates the maximum value from a variable.	max(A)	The highest numeric value of the variable A (e.g. 8).
Mean	Calculates the mean value from a variable.	mean(A)	The sum of all numeric values in variable A, divided by the amount of numbers in the set (e.g. 5 + 8 + 4 + 4 / 4 = 5.25).
Min	Calculates the minimum value from a variable.	min(A)	The lowest numeric value of variable A (e.g. 1).
Sum	Calculates the total value from a variable.	sum(A)	The total of all numeric values in variable A (e.g. 15).
timeDiff	Compares the days, months, or seconds between variables. This function requires date-related data from two Date & Time fields or a Date & Time field and the today() function. See the Time Functions article for more information.	timeDiff(A,B"days")	The difference in days between variables A and B (e.g. 5 days).
	Offsets a variable by number of seconds, days, or months. This		

timeOffset	function requires a Date & Time field variable. This function returns the offset date in Unix timestamp which will need to be converted manually. See the Time Functions article for more information.	timeOffset(A,1,"days")	Offsets the date in variable A by one day.
today	Returns the current date. This function does not accept any parameters (variables inside the parentheses), however, it can be used as parameters inside the timeDiff function.	timeDiff(A,today(),"days")	The difference in days between variable A and today's date.

Examples

For a list of common formulas, see the [Formula Examples](#) article.

Time Formula Functions

Like other formula functions, the **timeDiff** and **timeOffset** functions use date-related data to perform a calculation or task. These functions do **not** require multiple values and therefore do not require **Relationship** or **Reference** variable types or data from more than one field or formula.

timeDiff

This function returns the difference between two dates using two **Date & Time** variables or a **Date & Time** variable and the **today** function. By default, this function returns the difference between the dates in seconds, however, you can specify that the results are returned in days or hours.

Using the dates May 15, 2018 (variable A) and May 14, 2018 (variable B) as examples, this function could return the following:

UNIT OF TIME	FORMULA	RESULT
Seconds (default)	timeDiff(A,B)	86400
Hours	timeDiff(A,B,"hours")	24
Days	timeDiff(A,B,"days")	1
Today's date (May 15, 2018), days	timeDiff(today(),B,"days")	1

timeOffset

This function offsets (adds or subtracts) seconds, days, or months from a **Date & Time** field variable.

Before using this function, note that:

- This function returns results in Unix (epoch) timestamp format (e.g. May 2018 is returned as 1525132800). **This output is not converted by Resolver Core and must be done manually.** To convert your timestamp into standard time or vice versa, see the [Convert Unix Time](#) website. To calculate the difference between two dates by seconds, days, or months, see the [Time Duration Calculator](#).
- Depending on how you intend to use the **timeOffset** function in a formula, it's possible to display the results in a standard date format by inserting the Unix timestamps into the **Max Value** field, then creating a label for the timestamp's date equivalent (see screenshot below for an example). Contact [Resolver Support](#) for additional information.

DISPLAY

Format

None

Range as

Label

↺

Color



Label

May 15, 2018

Max Value

1526342400

✓

🗑️

Color



Label

May 15, 2019

Max Value

1557878400

✓

🗑️

Configuring a formula's display settings to display Unix timestamps as a standard date format.

Using May 15, 2018 (variable A) as an example, this function could return the following:

UNIT OF TIME	FORMULA	RESULT
Seconds	<code>timeOffset(A,86400,"seconds")</code>	1526495700 (May 16, 2018)
Days	<code>timeOffset(A,2,"days")</code>	1526582100 (May 17, 2018)
Months	<code>timeOffset(A,1,"months")</code>	1529087700 (June 15, 2018)
Days (subtracted)	<code>timeOffset(A,-3,"days")</code>	1526150100 (May 12, 2018)

Null Values in Formulas

By default, when an object with a blank field or formula variable is included in a formula, that variable is assigned a zero (0) value, which may produce unexpected results, depending on the kind of formula you're creating. To prevent this, administrators can select the **Treat empty values as Null** checkbox when creating or configuring formulas, which will ensure any blank variables are treated as being empty and are therefore not included in the calculation.

For example, using the Min [function](#) , you need to create a formula that calculates the lowest numerical value of a field variable. There are currently three objects with that field that will be included in the formula: Object 1 with a value of 200, Object 2 with a value of 600, and Object 3 with no value.

If you create the formula without selecting the **Treat empty values as Null** checkbox, the formula's result will be 0 because Object 3 was blank and was automatically assigned 0. However, if the checkbox is selected, the formula will omit Object 3 from its calculations and produce a result of 200.

VARIABLES

Variable Type

Select one...

Name

Description

*

☐ Treat empty values as Null

CANCEL

✓ CREATE

A new formula. Selecting the Treat empty values as Null checkbox will skip over any objects that contain blank variables.

Formula Examples

This article provides a list of common formulas. Note that these formulas contain variables and calculations that may not be applicable to your organization. For more detailed information on formulas, see the following articles:

- [Formulas Overview](#)
- [Variables, Operators & Functions](#)
- [Time Functions](#)
- [Null Values in Formulas](#)
- [Add Formulas to an Object Type](#)

Examples

When reviewing the examples below, note that:

- Variables represent [numeric](#) and [date](#) fields, [select lists](#) , [workflow states](#) , or other formulas; and
- Functions require data from multiple objects. As such, only **Relationship** and **Reference** variable types can be used with a function.

NAME	FORMULA	VARIABLES	OPERATORS	FUNCTIONS	RESULT
Average Impact	MEAN(IMPACT)	IMPACT (Inherent Impact)		Mean	Calculates the mean value of Inherent Impact from objects in the Risks relationship, divided by the number of times the variable appears on the objects.
Control Effectiveness	CONTROLEFF	CONTROLEFF (Control Effectiveness)			Provides a count of the value from the Control Effectiveness field. Note that if a count of values from multiple objects is required, a relationship or reference variable type

					used with the sum function is required.
Design Effective	DE==1?1:0	DE (Design Effectiveness)	== (equal to), ?: (conditional expression)		Checks if Design Effectiveness equals 1. If yes, the formula outputs 1, otherwise, it outputs 0.
Indicator Status	(CURRENT-TARGET)*DIRECTION	CURRENT(Current Value), TARGET (Target Value), DIRECTION (Desired Direction)	() (grouping), - (minus), * (multiply)		Subtracts the value of Target Value from Current Value, then multiplies the total by the value of Desired Direction.
Inherent Risk Score	IN_IMPACT*IN_LIKELIHOOD	IN_IMPACT (Inherent Impact), IN_LIKELIHOOD (Inherent Likelihood)	* (multiply)		Multiplies the value of Inherent Impact by the value of Inherent Likelihood.
KRI Status	TYPE==1 AND CV>LL AND CV	TYPE (Type), CV (Current Value), LL (Lower Limit), UL (Upper Limit)	== (equal to), and (logical and), > (greater than), < (less than), ? : (conditional expression)		Checks if the value of Type is 1, if the value of Current Value is greater than Lower Limit, and if the value of Current Value is less than Upper Limit. If yes,

					the formula outputs a value of 1, otherwise it outputs 2.
Material Weaknesses	IC==2?1:0	IC (Issue Classification)	== (equal to), ?: (conditional expression)		Checks if the value of Issue Classification is 2, If yes, the formula outputs a value of 1, otherwise it outputs 0.
Maximum Likelihood	MAX(LIKELIHOOD)	LIKELIHOOD (Inherent Likelihood)		Max	Calculates the highest numeric value of Inherent Likelihood from objects in the Risks relationship.
Net Loss	TOTALLOSS-TOTALRECOVERED	TOTALLOSS (Total Loss Amount), TOTALRECOVERED (Total Recovered Amount)	- (minus)		Subtracts the value of Total Loss Recovered from Total Loss Amount.
No. of Open Actions	SUM(OA)	OA (Open Actions)		Sum	Calculates the sum of values of Open Actions from objects in the Processes relationship.
					Divides the sum of values of No. of Samples

Percentage of Samples Failed	$(\text{SUM}(\text{FAILED})) / (\text{SUM}(\text{TESTED}) * 100$	FAILED (No. of Samples Failed) TESTED (No. of Samples Tested) Control	/ (divide), * (multiply)	Sum	Failed by the sum of No. of Samples Tested from objects in the Tests relationship, then multiplies the total by 100.
Percentage of Testing Complete	$\text{TESTING} / \text{PLANNED} * 100$	TESTED (No. of Samples Tested), PLANNED (Total Samples Planned)	/ (divide), * (multiply)		Divides the value No. of Samples Tested by Total Samples Planned, then multiplies the total by 100.
Time to Fix	$\text{timeDiff}(\text{DATECOMPLETED}, \text{DATEIDENTIFIED}, "days")$	DATECOMPLETED (Issue Resolution Date), DATEIDENTIFIED (Issue Identification Date)		timeDiff	Displays the difference, in days, between the Issue Resolution Date and the Issue Identification Date.
Total Cost	$\text{QTY} * \text{COST}$	QTY (Quantity), COST (Cost)	* (multiply)		Multiplies the value of Quantity by Cost.

Object Type Groups Overview

Object type groups assemble one or more object types into a category to create [relationships](#) . Object type groups are required when creating relationships because they allow users to create and draw data from multiple object types via a single relationship, which thereby prevents administrators from having to create multiple relationships for each relevant object type.

EXAMPLE

Because the person creating an Incident object may not be the same person who was directly involved in the incident (e.g. witness, victim, suspect, etc.), you want to track these people, whether they are an employee or visitor. To do this, you create a People object type group and add the Employee Record and People object types, then select this group when creating a People Involved relationship on Incident. Now, when an Incident object is created, the user can select an existing record or create a new one from either the Employee Record or Person object types in the People Involved field on a form.

PEOPLE

Name

People

Long Name

The Long Name is optional and can be used in select parts of the application to provide a more detailed label to the user.

RELATED OBJECT TYPES

Select one...

+ ADD SELECTED (0)

ER

Employee Record

P

Person

227

*An object type group. In this case, the People group has the Employee Record and Person object types saved to it.
This group will be used to create the People Involved relationship on the Incident object type.*

Edit Relationship: People Involved

Relationship Name

People Involved

Reference Name

The Reference name is the reverse of the relationship name (e.g. Witness > Witnessed). It will be used when a relationship is displayed as a reference on an object type form.

Long Name

The Long Name is optional and can be used in select parts of the application to provide a more detailed question to the user.

Object Type Group

People

The People Involved relationship that will appear on the Incident object type. Note that the People object type group has been selected on this relationship.

Incident Details

Date & Time the Incident Occurred



People Involved

Start typing to find People Involved or create new

CREATE NEW

Location

Start typing to find Location or create new

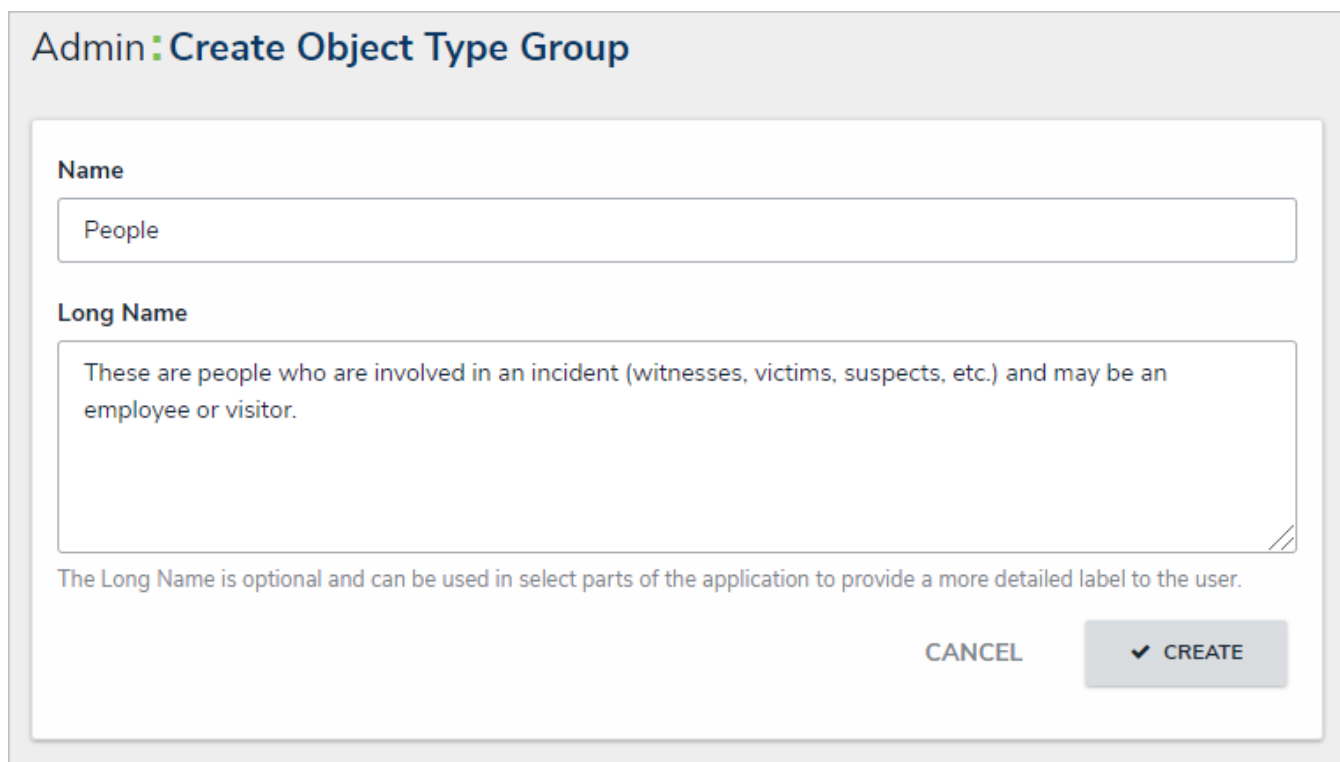
CREATE NEW

The People Involved relationship as it appears on a new Incident object.

Create a New Object Type Group

To create a new object type group:

1. Click the  icon in the top bar > **Object Type Groups** in the **Data Model** section.
2. Click **Create Object Type Group**
3. Enter a name for the object type in the **Name** field.
4. **Optional:** Enter a brief description of the object type group in the **Long Name** field, which will appear below the object type when editing it.



Admin: Create Object Type Group

Name

People

Long Name

These are people who are involved in an incident (witnesses, victims, suspects, etc.) and may be an employee or visitor.

The Long Name is optional and can be used in select parts of the application to provide a more detailed label to the user.

CANCEL **✓ CREATE**

The Create Object Type Group page.

5. Click **Create** to display the **Related Object Types** section.
6. In the field in the **Related Object Types** section, enter the name of the object type you want to add or select it from the dropdown menu. Continue to add more object types as needed.

Admin : Edit Object Type Group

PEOPLE

Name

People

Long Name

These are people who are involved in an incident (witnesses, victims, suspects, etc.) and may be an employee or visitor.

The Long Name is optional and can be used in select parts of the application to provide a more detailed label to the user.

RELATED OBJECT TYPES

Employee Record



Person



+ ADD SELECTED (2)

A new Object Type Group. After clicking Create, the Related Object Types section is displayed.

7. Click **Add Selected**.
8. Click **Done** when finished.

Edit or Delete an Object Type Group

To edit or delete an object type group:

1. Click the  icon in the top bar > **Object Type Groups** in the **Data Model** section.
2. Click the object type group you want to edit to display the **Edit Object Type Group** page.
3. Enter an alternate name in the **Name** or **Long Name** fields, as needed.
4. To add an additional related object type, enter the name of the object type you want to add or select it from the dropdown menu in the **Related Object Types** section, then click **Add Selected**.
5. To remove a related object type, click the  icon next to that object type.
6. To delete the object type, click the  icon, then click **Yes** to confirm.
7. Click **Done** when finished.

Fields Overview

An object type's fields are where users will input data. Fields are available in the following formats:

- **Text:** A text field that allows for a single line or multiple lines of text, optional concatenation, and rich text formatting.
- **Numeric:** A field that allows for numbers.
- **Date & Time:** A picker that allows you to select the date and time. All dates and times are saved and displayed in UTC format.
- **Select List:** A dropdown menu with multiple options to choose from.
- **Attachments:** An area on the form that allows users to upload files or URLs.
- **Image Attachment:** A field through which images can be uploaded and embedded onto a form.

Which type of Field would you like to create?

Text

A text box allowing a single line or multiple lines of text.

Text

Numeric

A numeric field allowing any numbers to be entered. This is an unformatted number.

Numeric

Date & Time

A picker that allows selection of a date and optional time.

Date & Time

Select List

A list of options to be selected from.

Select List

Select one... 

Attachments

An area on the form users can attach files to the object.

Attachments

Drag files here or click to

Available field types (Image Attachment not shown).

Once a field has been created, it can be added as a component to any object type. All [added](#) fields appear on the object type's default form, but you can select which fields will appear when creating a [configurable forms](#). Once linked to an object type, all fields, except for **Attachments** and **Image Attachments**, can be embedded in an [email template](#) as variables when the [Messaging](#) action is triggered on a workflow.

The same field can be added to multiple object types; however, any changes made to the field's settings (e.g., deleting the field or modifying the field's name, select list options, minimum/maximum characters, date and time format, etc.) will be applied to all related object types.



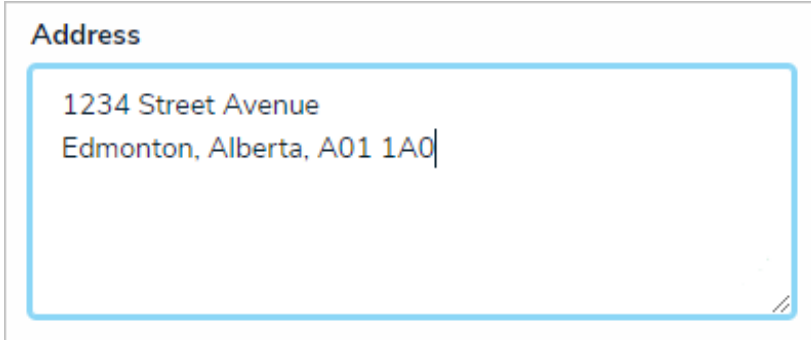
You can confirm if a field has been added to an object type by opening the field's **Editing Field** page, then reviewing the **Related Object Types** section at the bottom of the page. You can click an object type in this section to view its **Edit Object Type** page.

The **Fields** settings allow you to create, edit, and delete fields, which can then be added to an object type, but you can also create and add fields from the **Edit Object Type** page. See [Add Fields to an Object Type](#) section for more information.

Text Fields

A text field allows users to enter a single line or multiple lines of plain text or rich text formatting, depending on the field's settings, with optional concatenations.

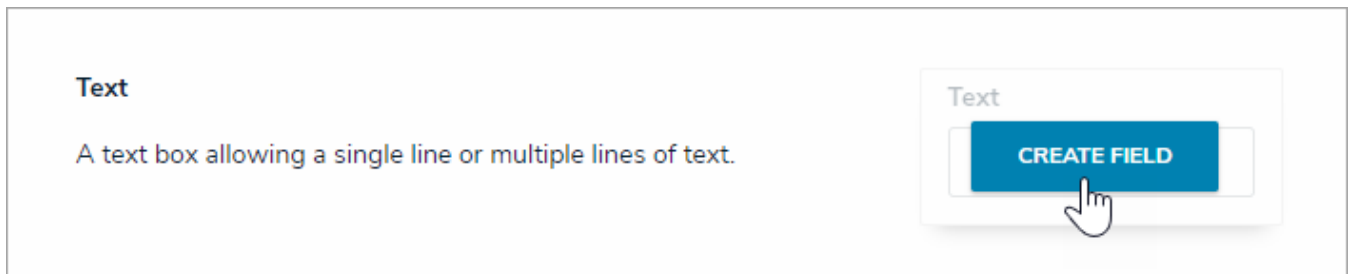
For more information on adding concatenations, see the [Text Field Concatenations](#) article. For more information on enabling rich text formatting, see the [Rich Text Formatting](#) article.



A multiple-line plain text field on an object.

To create a text field:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Click **Create Field**.
3. Hover your cursor over the **Plain Text** field type, then click **Create Field**.



The Text field type.

4. Enter a name for the field as it will appear on an object type in **Field Name**.
5. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be styled using [Markdown](#). You can choose to display a field's long name on configurable forms.

Admin : Create a Field

Field Type

Plain Text

Field Name

Contact Information

Long Name ?

The Field Name and Long Name fields.

6. Select one of the following text types:

- **Single Line:** For a single line of plain text.
- **Multiple Lines:** For multiple lines or paragraphs of plain text.
- **Rich Text Format:** For up to 20,000 characters in an RTF editor. See the [Rich Text Formatting](#) article for more information.

7. **Optional:** To enter character requirements for single or multiple line text types:

- Enter a minimum number of characters the user must enter in the field. If you select a maximum number of characters in step 7 below, the minimum number must be less than or equal to the maximum.
- Enter a maximum number of characters the user can enter in the field. If you selected a minimum number of characters in step 6 above, the maximum number must be greater than or equal to the minimum.

Minimum Characters

e.g. 10, 140, etc.

Minimum Characters is optional. It must be a whole number less than or equal to Maximum Characters (if set).

Maximum Characters

e.g. 10, 140, etc.

Maximum Characters is optional. It must be a whole number greater than or equal to Minimum Characters (if set).

The Minimum Characters and Maximum Characters fields.

8. Click **Create** to will display the **Editing Field** page.

Text Field Concatenation

Concatenations pull data from [properties](#) and other [fields](#) to automatically populate the values into the plain text fields. This option does not apply to [rich text formatting](#) field types.



Concatenation can also be added to the **Name** and **Description** properties on an object type. See the [Name & Description Concatenation Overview](#) article for more information.

To specify which data is populated in the field, administrators edit a plain text field, select a [data definition](#) and an object type in that definition, then one or more properties or fields to create variables, which are then used to create an expression. For example, if you created variables for the City and Address select list fields, the expression would look similar to {{{City}}}, {{{Address}}}.

Unlike concatenations on an [object type](#), you can select any data definition within the org to filter which properties and fields are available for variables, but prior to creating expressions, you must ensure the fields you want to include in the variables have been [added](#) to the appropriate object type(s) and have or will be added to the relevant [configurable form\(s\)](#). The **Unique ID**, **Created By**, and **Created On** properties do not need to be added to the form as they are auto-generated and cannot be modified.



Concatenations cannot be applied to existing objects.

To create a concatenation on a text field:

1. [Create](#) a new text field, ensuring the **Single Line** or **Multiple Lines** text type is selected.
2. Click **Configure Value Concatenation** in the **Text Type** section to display the **Edit Concatenation** screen. This option will not appear until the field is saved.

Text Type

☒ Single Line ☐ Multiple Lines ☐ Rich Text Format

 **CONFIGURE VALUE CONCATENATION**

The Text Type section.

3. Select a [data definition](#) from the **Data Definition** dropdown menu. This will determine which object types' properties and fields are available to add as variables.

EDIT CONCATENATION

X

DETAILS

Data Definition

Employees

VARIABLES

+ ADD VARIABLE

EXPRESSION

Variables must be wrapped in triple braces. Eg: {{{VARIABLE1}}}-{{{VARIABLE2}}}

SAVE EXPRESSION

A new concatenation with no variables or expression.



If you want to select another data definition, you must delete the concatenation by clicking the **X** icon beside the concatenation on the **Editing Field** page, then recreate it.

- Click **Add Variable**.
- Select an object type in the data definition from the **Select Object Type** dropdown menu.
- Select a property or field you want to auto-populate in the plain text field. For example, selecting the **Created By** property will auto-populate the name of the user who created an object. If you selected the **Created On** property or **Date** field, select a date format (e.g. YYYY-MM-DD) from the **Variable Format** dropdown menu.
- Enter a name for the variable in the **Variable Name** field.



Spaces and special characters in variable names are not permitted. For example, naming a variable **RiskName** in the **Variable Name** field is valid, but entering **Risk Name** in this field will result in an error.

8. **Optional:** If you want a default value to populate in the concatenation when the variable contains no data, enter that value in the **Default Value** field (e.g. "Null" or "None provided").
9. If the variable is from the same object type where the plain text field is saved as a component, (e.g. the plain text field is saved to the Employee Record object type and the variable you're creating is also from a property or field also on the Employee Record object type) select the **Self** checkbox.

VARIABLES

Select Object Type

Employee Record

Available Component

Property: Name

Variable Name

EmployeeName

Default Value

None provided

☒ Self

ADD

CANCEL

Creating a new variable in the Edit Concatenation palette.

10. Click **Add** to save the variable.

VARIABLES

EmployeeName

Property: Name

+ ADD VARIABLE

A new variable, which can now be included in the expression.

11. Repeat steps 4-10 above to continue adding variables as needed.
12. Type the variable names in the **Expression** field. Variables can be entered in any order, but they must be enclosed in triple curly braces (e.g. {{{CreatedBy}}}) **with no spaces or special characters within the braces**. If needed, you can include spaces and other alphanumeric characters between the variables.

EXPRESSION

{{{EmployeeName}}}, {{{EmployeeAddress}}}, {{{EmployeePhoneNumber}}}

Variables must be wrapped in triple braces. Eg: {{{VARIABLE1}}}-{{{VARIABLE2}}}

SAVE EXPRESSION

An expression with variables. All variables must be enclosed in triple curly braces.

13. Click **Save Expression**.

Text Type

☒ Single Line ☐ Multiple Lines ☐ Rich Text Format

 **CONFIGURE VALUE CONCATENATION**

{{{EmployeeName}}}, {{{EmployeeAddress}}}, {{{EmployeePhoneNumber}}}



A concatenation saved to the field.

14. To edit a variable, it must be deleted by clicking the  icon from the **Edit Concatenation** palette, then recreated.
15. To delete the concatenation, click the  icon from the **Editing Field** page.

Employee Details



Title

Mr.

Phone Number

5555551234

E-mail

k.darden@example.com

Address

123 Street Avenue, Edmonton, Alberta, A1A 1A1

DOB

 October 17, 2017

The fields used as variables in the expression.

Contact Information

Kevin Darden, 123 Street Avenue, Edmonton, Alberta, A1A 1A1, 5555551234

The variable fields successfully populating in the Contact Information field.

Rich Text Formatting

When creating a new text field, admins can enable the **Rich Text Format** option, which saves the field as a text box that allows that allows users to:

- Apply headings, bold, italic, underline, or strikethrough formatting.
- Apply left, right, or center text alignment.
- Create and continue numbered and bulleted (ordered and unordered) lists.
- Embed URLs.
- Enter up to 20,000 characters of text.
- Enable a focused view of the text editor.

RTF can be applied and/or is displayed on configurable forms, data grids, report tables, repeatable forms, printed forms or reports, and reports [exported](#) into Word, Excel, or PDF format. Basic formatting is also supported when [importing data](#) into RTF fields. To enable RTF, select the **Rich Text Format** option when creating the field.



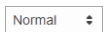
When printing a form or report with RTF from your browser, note that some formatting is not preserved or displayed as expected. For the best results, it's recommended that RTF data is printed from a report exported into PDF format. If the data is on a configurable form, it can be displayed through the [repeatable form element](#), then exported into PDF.

Remaining characters: 18515

A Rich Text Format field displayed in focused mode.

Rich Text Format Editor

OPTION	ICON	DESCRIPTION	KEYBOARD SHORTCUT	EXAMPLE
Copy	NA	Copies a selection of text to the clipboard.	Ctrl+C (Windows) or Command+C (Mac)	N/A
Cut	N/A	Cuts a selection of text and copies it to the clipboard.	Ctrl+X (Windows) or Command+X (Mac)	N/A
			Ctrl+V (Windows)	

Paste	N/A	Pastes copied text into the field.	or Command+V (Mac)	N/A
Undo	N/A	Removes the last change made to the text.	Ctrl+Z (Windows) or Command+Z (Mac)	N/A
Redo	N/A	Re-applies a change that was previously made to the text.	Ctrl+Y (Windows) or Command+Shift+Z (Mac)	N/A
Heading styles		Applies heading styles from a dropdown menu of options (headings 1 through 6). The default setting is Normal (no heading styles applied).	N/A	Example Example
Bold	B	Bolds the text.	Ctrl+B (Windows) or Command+B (Mac)	Example
Italic	<i>I</i>	Italicizes the text.	Ctrl+I (Windows) or Command+I (Mac)	Example
Underline	<u>U</u>	Underlines the text.	Ctrl+U (Windows) or Command+U (Mac)	Example
Strikethrough	S	Strikes through the text.	N/A	Example
Remove formatting	<i><u>I</u></i>	Removes formatting from the selected text.	N/A	N/A
Alignment	  	Applies left (default), center, or right text alignment.	N/A	Example (left) Example (center) Example (right)

Lists		Creates bullet or number lists. Pasting a list from Word will automatically enable a list style in the editor.	N/A	• Example • Example 1. Example 2. Example
Links		Creates a link using the highlighted text. Links can also be created without display text by typing or pasting the full URL in the textbox. Clicking a link will open it in a new tab in your browser. Note that all URLs must include http:// or https://	N/A	Resolver (with display text) https://www.resolver.com (no display text)
Save		Saves changes made to the field. Clicking outside the editor will also save your changes. Drafts of your changes are retained in the field, but will not appear elsewhere until explicitly saved.	N/A	N/A
Focus mode		Enable or disable focus mode.	N/A	N/A

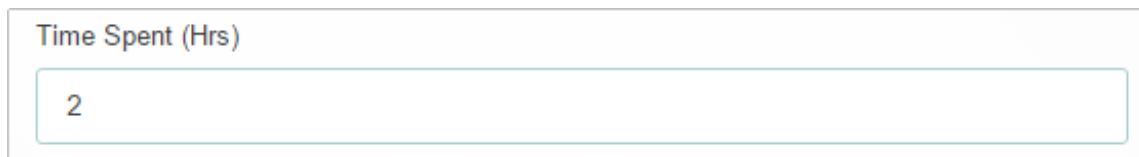
Data Import

Using the following HTML tags, limited formatting can be applied when [importing data](#) into an RTF field:

- **Bold:**
- *Italic:*
- ~~Strikethrough:~~
- **Ordered list:**
 - 1.
 - 2.
- **Unordered list:**
 -
 -

Numeric Fields

A numeric field allows users to type numbers into a form.



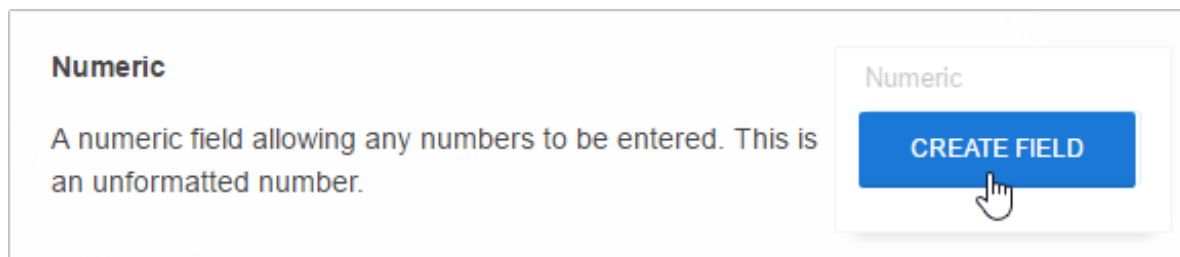
Time Spent (Hrs)

2

A numeric field on an object.

To create a numeric field:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Click **Create Field**.
3. Hover your cursor over the **Numeric** field type, then click **Create Field**.



Numeric

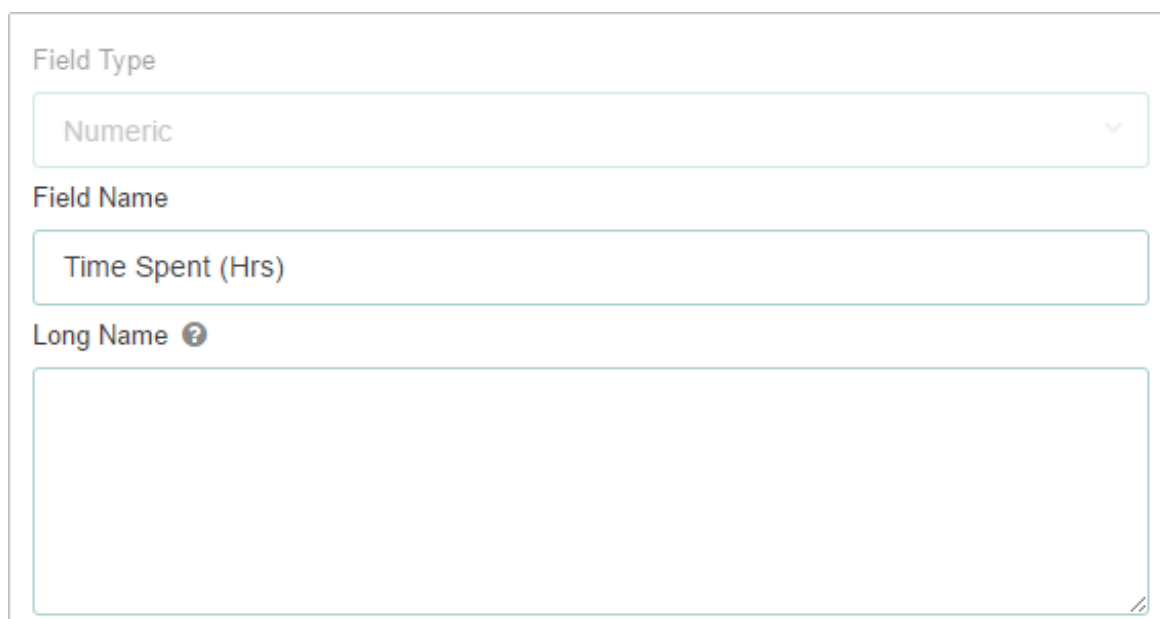
A numeric field allowing any numbers to be entered. This is an unformatted number.

Numeric

CREATE FIELD

The Numeric field type on the Field Types settings page.

4. Enter a name for the field as it will appear on an object type in **Field Name**.
5. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be displayed on configurable forms.



Field Type

Numeric

Field Name

Time Spent (Hrs)

Long Name ?

The Name and Long Name fields.

6. **Optional:** Enter a minimum number of characters the user must enter in the field. If you select a maximum number of characters in step 7 below, the minimum number must less than or equal to the maximum.
7. **Optional:** Enter a maximum number of characters the user can enter in the field. If you selected a minimum number of characters in step 6 above, the maximum number must less than or equal to the minimum.

Minimum Characters

e.g. 10, 140, etc.

Minimum Characters is optional. It must be a whole number less than or equal to Maximum Characters (if set).

Maximum Characters

200

Maximum Characters is optional. It must be a whole number greater than or equal to Minimum Characters (if set).

The Minimum and Maximum Characters fields within a new plain text field.



Though the **Number Type** dropdown displays **Number**, **Currency**, **Percent**, and **Phone Number**, only **Number** can be selected, as the remainder of the options are currently in beta testing.

8. Use the **Preview** section to confirm the field is correct.

PREVIEW

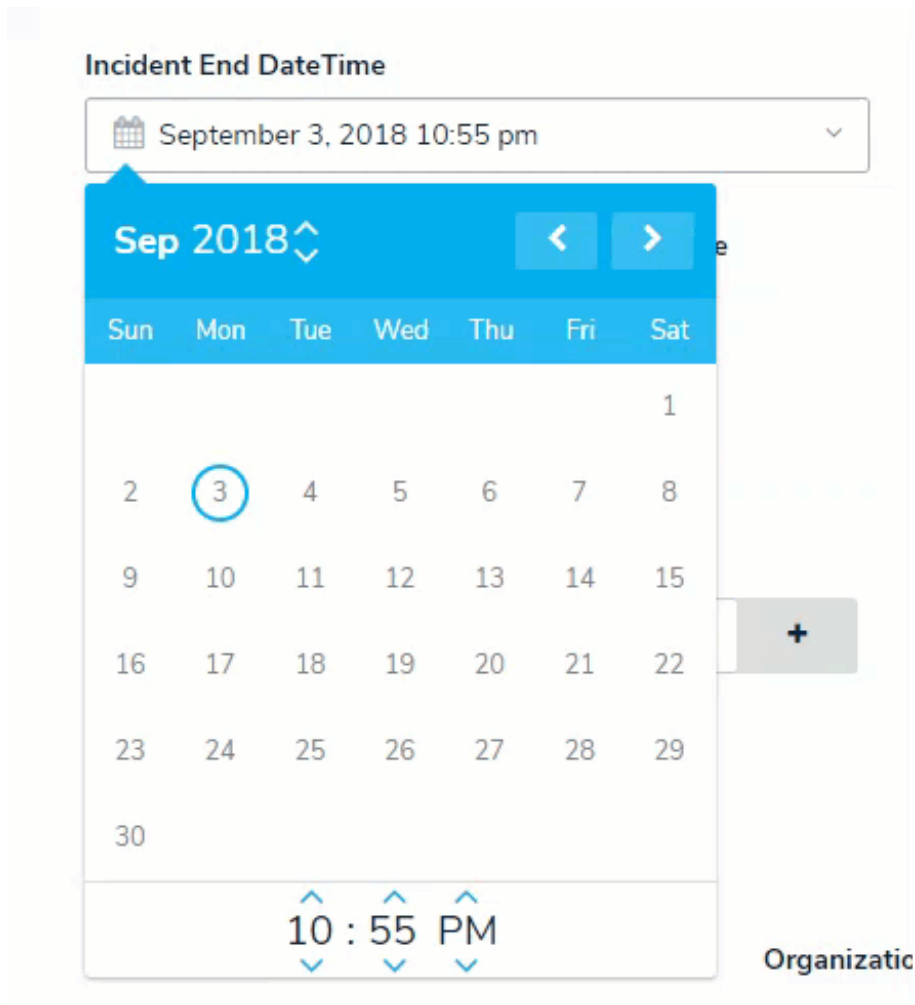
Time Spent (Hrs)

The Preview section of a new numeric field. You can enter sample text in this field to confirm if the field settings, such as minimum or maximum characters, are correct.

9. Click **Create**.

Date & Time Fields

The **Date & Time** field allows users to select the date or the date and time from a pop-out calendar. From this calendar, you can type a year or use the dedicated arrows to select one, select a month from the arrows or the dropdown menu, and select a day by clicking it. To choose a time, use the arrows, or type the exact hour, minutes, and AM or PM in the fields. All dates and times are stored and displayed in UTC format.



A Date & Time field.



Once this field type is created and saved, you can make adjustments to the date's display format; however, you cannot add or remove the time from the format without deleting then recreating the field.

To create a date and time field:



1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Click **Create Field**.
3. Hover your cursor over the **Date & Time** field type, then click **Create Field**.

Date & Time

A picker that allows selection of a date and optional time.

Date & Time

CREATE FIELD

The Date & Time field type on the Field Types page.

- Enter a name for the field as it will appear on an object type in **Field Name**.
- Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be displayed on configurable forms.

Field Type

Date & Time

Field Name

Date Incident Occurred

Long Name ?

The Name and Long Name fields.

- Select the date and time format from the **Date & Time Format** dropdown menu. Note that once the field is created, you will not be able to edit the format to include or remove the time.

Date & Time Format

2019-09-18
2019-09-18
2019-09-18 10:36
09/18/2019
September 18, 2019
September 18, 2019 10:36 am
18/09/2019
18-09-2019
18-09-2019 10:36

The Date & Time Format dropdown menu.

- Use the **Preview** section to confirm the field is correct. Click the field to preview how the date and time will be displayed.

PREVIEW

Date Incident Occurred



▼

The Preview section of a new date and time field. You can select a sample date and time in this field to confirm the settings are correct.

8. Click **Create**.

Select List Fields

A **select list** is a field type that allows users to select one or more options. You can choose to create a single select list (users can only select one option from the field) or a multi-select list (users can select multiple options from the field).

By default, both single and multi-select lists appear on forms as dropdown menus. Admins can configure single select lists to appear as a group of buttons, provided the list has five options or fewer. To enable this option, add the select list to the form canvas, click the  icon in the top-right corner of the field to open the **Edit Component Display** window, then select **Toggle Button Group** in the **Format** section. For more information on adding elements to configurable forms, see the [Add Elements to a Standard Form](#) and [Fields on Forms](#) articles.

Edit Component Display

Header display

☒ Display 'Name'

☐ Display 'Long Name'

Format

☐ Dropdown

☒ Toggle Button Group

Assessment table

☐ 

Enable Assessment Table

CLOSE

The Edit Component Display window, which is available when configuring a field added to a standard form.

This field type can also be used in [formulas](#) , provided the options in the select list contain a numeric value (see step 12 below).

Incident Category

Select one... ▼

- Emergency
- Human Resources
- Person Incident
- Property Incident
- General Security
- Information Protection
- Cyber Security
- Executive Protection

A select list field on an object.

Location(s)

Vancouver × New York × | ▼

- Edmonton
- Toronto
- Los Angeles

A multi-select list field on an object.

Incident Priority

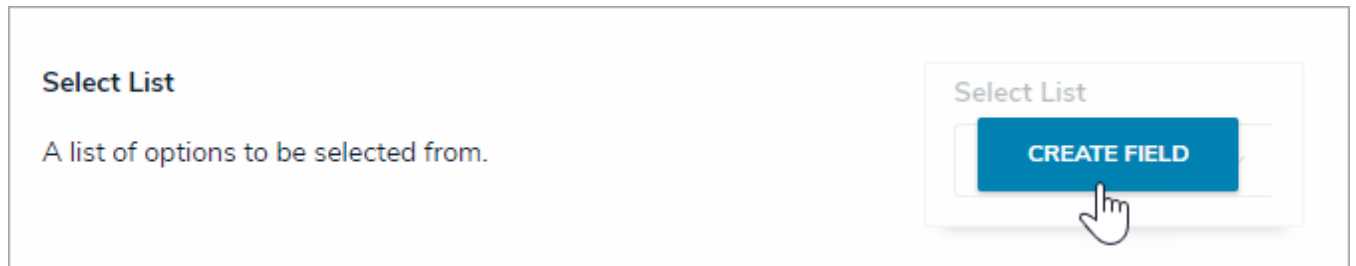
☐ Low
 ☐ Medium
 ☒ High
 ☐ Urgent

A select list appearing as a group of options on a form.

To create a new select list:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.

2. Click **Create Field**.
3. Hover your cursor over the **Select List** field type, then click **Create Field**.



The Select List field type on the Fields page.

4. Enter a name for the field as it will appear on an object type in **Field Name**.
5. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be displayed on configurable forms.

A screenshot of a field configuration form. It has four sections: 'Field Type' with a dropdown menu showing 'Select List'; 'Field Name' with a text input field containing 'Incident Category'; 'Long Name' with a large text area and a question mark icon; and 'Selection Type' with a dropdown menu showing 'Single'.

The Field Name, Long Name, and Selection Type fields.

6. Select either **Single** or **Multi** from the **Selection Type** dropdown menu. A **single** select list means the user can only select one option, while a **multi** select list allows the user to choose more than one option.
7. Ensure the **Add Options** tab has been selected.
8. Enter the options that will appear in the dropdown menu. Each option must be separated by a line break by pressing **Enter** on your keyboard.

Current Options (0)

Add Options

Field Options

Emergency

Human Resources

Person Incident

Property Incident

General Security

Information Protection

Cyber Security

Executive Protection

+ ADD OPTIONS

Entering the options a user can choose from in the select list field.

9. Click the **Add Options** button. This will automatically select the **Current Options** tab.

Current Options (8)
Add Options

	Emergency			
	Human Resources			
	Person Incident			
	Property Incident			
	General Security			
	Information Protection			
	Cyber Security			
	Executive Protection			

Saved select list options.

10. Click the  icon next to an option to view the settings for an option.



Name

Person Incident





Value

Color



☐ Default Option

Option settings.

11. Enter an alternate name for the option in the **Name** field, if needed.
12. If this select list is to be used in a [formula](#), enter a number for the option in the **Value** field. Repeat this step for each option.



A formula will display an **invalid Result** error if it attempts to pull data from a select list option that does not have a value. To avoid this, ensure

a numeric value is applied to all select list options.

13. Click the **Color** dropdown menu to reveal the color picker. You can either click a color to select it or type a hex color into this field. This color will appear next to the options in the select list dropdown menu.
14. Select the **Default Option** checkbox if you want the option to be automatically selected in the list when it appears on the object type. If changing the default option on a select list previously saved on one or more objects, note that:
 - If the select list on the object shows a value (option), the value **will not** be updated to reflect the new default.
 - If the select list on an object shows the previous default value (option), the previous default **will not** be updated to reflect the new default.
 - If the select list on an object does not show a value (option), default or otherwise it **will** be updated to reflect the new default.
15. Click the  icon to close the settings for that option.
16. Repeat steps 9-14 to continue editing the options as needed.
17. To rearrange the order the options will appear on the select list, click and drag the  icon next to an option.
18. To delete an option, click the  icon.
19. Use the **Preview** section to confirm the field is correct.

PREVIEW

Incident Category

Select one...

Emergency

Human Resources

Person Incident

Property Incident

General Security

Information Protection

Cyber Security

Executive Protection

A preview of the new field.

20. Click **Create**.

Attachments

The **attachments** field allows users to upload files, URLs (web links), or both to an object. Most standard file types are accepted by this field; however, there are some restrictions (see below).

File Restrictions

- .ade
- .adp
- .app
- .asp
- .as
- .bas
- .bat
- .cer
- .chm
- .cmd
- .com
- .cpl
- .crt
- .csh
- .der
- .exe
- .fxp
- .gadget
- .hlp
- .hta
- .inf
- .ins
- .isp
- .its
- .jar
- .js
- .jse
- .ksh
- .lnk
- .mad
- .maf

- .mag
- .mam
- .maq
- .mar
- .mas
- .mat
- .mau
- .mav
- .maw
- .mda
- .mdb
- .mde
- .mdt
- .mdw
- .mdz
- .msc
- .msh
- .msh1
- .msh1xml
- .msh2
- .msh2xml
- .mshxml
- .msi
- .msp
- .mst
- .ops
- .pcd
- .pif
- .plg
- .prf
- .prg
- .ps1
- .ps1xml
- .ps2
- .ps2xml
- .psc1

- .psc2
- .pst
- .reg
- .scf
- .scr
- .sct
- .shb
- .shs
- .tmp
- .url
- .vb
- .vbe
- .vbs
- .vsmacros
- .ws
- .wsc
- .wsf
- .wsh
- .xnk

Note that files that contain the word **compressed** cannot be uploaded.

Files

Field Notes.docx

Resolver

Drag files here or click to select...

or

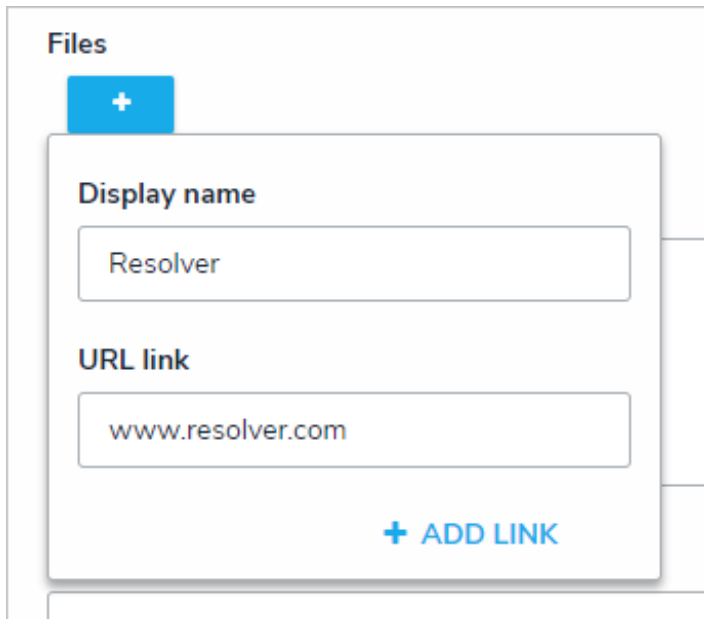
Click to add a web link to a file...

An attachment field (file and web link).

When the **File only** or **File and web link** option is selected in the field's settings, users can upload files (up to 100MB in size) or web links by clicking the file or web link upload area on a form (as shown in the screenshot above).

If the **Web link only** option is selected, users can upload a link by clicking the  the icon (as shown in the screenshot below). If the optional display name for the web link is not included, the full URL will be displayed. Clicking the link will open the site in a new tab in your browser.

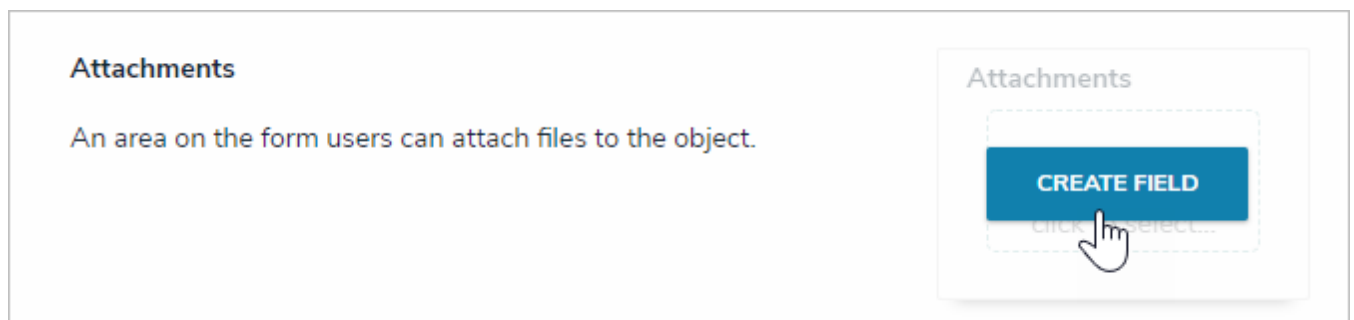
This field type cannot be embedded as a variable in an [email template](#).



An attachment field with the Web link only option selected.

To create an attachment field:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Click **Create Field**.
3. Hover your cursor over the **Attachment** field type, then click **Create Field**.



The Attachment field option after clicking Create Field.

4. Enter a name for the field as it will appear on an object type in **Field Name**.
5. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section. You can choose to display a field's long name on configurable forms.

Field Type

Attachments

Field Name

Files

Long Name ?

The Name and Long Name fields.

6. Select one of the following options from the **Attachment Type** section:

- **File only:** Users can upload files (up to 100MB in size) to an object.
- **Web link only:** Users can upload URLs to an object.
- **File and web link:** Users can upload files (up to 100MB in size) and URLs to an object.

Attachment Type

☐ File only
☐ Web link only
☒ File and web link

The Attachment Type section.

7. Use the **Preview** section to confirm the field is correct.



You can click or drag and drop files into the upload area to test the attachment field, however, you will not be able to successfully upload a file as this is a preview only.

8. Click **Create**.

Image Attachments

The attachments field allows users to upload image files to an object and display the image directly on the form. Once an image is uploaded to an object, the user can edit the name, add a description, or change, delete, or crop the image. This field accepts the following image file types:

- .JPEG
- .GIF
- .PNG

Note that you can upload images through the [Attachments](#) field, but the image will not be displayed on the form. This field type cannot be embedded as a variable in an [email template](#).

Person Photo

Drag images here or click to select...

An image attachment field on an object.

Weight (lbs)

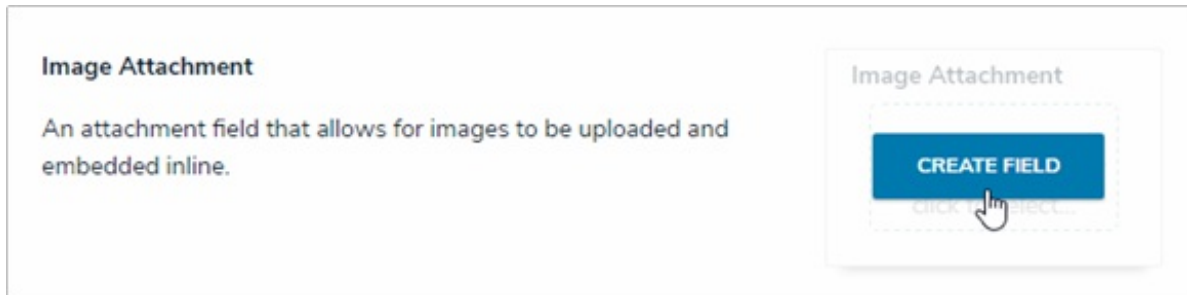
Person Photo


Incidents this person was involved in

An image attachment field on an object with an image uploaded.

To create an image attachment field:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Click **Create Field**.
3. Hover your cursor over the **Image Attachment** field type, then click **Create Field**.



The Image Attachment field option after clicking Create Field.

4. Enter a name for the field as it will appear on an object type in **Field Name**.
5. **Optional:** If needed, provide additional information or instructions on completing the field in the **Long Name** section, which can be styled using [Markdown](#). You can choose to display a field's long name on configurable forms.

The Name and Long Name fields.

6. Use the **Preview** section to confirm the field is correct.



You can click or drag and drop files into the upload area to test the attachment field, however, you will not be able to successfully upload a file as this is a preview only.

7. Click **Create**.

Edit or Delete a Field

Important Notes:

- If needed, you can change the field's unique name by clicking the  icon next to the **Unique Name** field to unlock and edit it; however, it's **strongly recommended** that you do not change the unique name as its default value is used throughout the Core system and altering it may interfere with existing data.
- Any changes to the field's settings are applied to all related object types.
- Deleting a field will remove it from all related object types.

To edit or delete a field:

1. Click the  icon in the top bar > **Fields** in the **Data Model** section.
2. Enter the name of the field in the **Search** field or click on a field in the list.
3. Make changes to the field's name as needed, including the **Field Name** and **Long Name**.
4. Make any other changes to the field as needed.
5. To delete the field, click the  icon, then click **Yes** to confirm.
6. Click **Done** when finished.



If the field has been **added** to one or more object types, those object types will appear in the **Related Object Types** section at the bottom of the **Editing Field** page. Click the object type to view its **Edit Object Type** page.

Assessments Overview

Assessments allows users to collect, review, and assess object data (e.g. audit, investigation, control assessment, etc.) continuously or from a particular point in time using dimensions (e.g. locations, business units, quarters, etc.).

Though there are some additional features and configurations, assessments have a functionality similar to object types. With assessments you can:

- Configure their [workflows](#) ;
- Add components;
- Create [configurable forms](#) or [data visualizations](#) ;
- Create an assessment object through an [activity](#) or [Quick Create](#) ;
- Add them to [object type groups](#) , [roles](#) , [actions](#), or [views](#) ;
- [Search](#) for assessment objects; and
- Create or update assessment data through [Data Import](#) .

The data added to an assessment is defined by a **focus** object type (similar to an [anchor](#) on a data visualization), a **data definition** (also similar to [data definitions](#) on a data visualization) and **dimensions** (which help you categorize the data). Assessments are then added to an action where users can input the assessment name. A [navigation form](#) is then launched, which allows users to view, filter, and explore objects to add to the assessment, before creation (launch). See the [Scope & Launch Overview](#) article for more information.

EXAMPLE

Your organization has a number of compliance processes in place. To ensure the processes and their controls are effective, they must be regularly reviewed by each office location. To do this, you would create an assessment, titled Control Assessment, with the Process object type as the focus. Through the data definition, you select the Control object type which is related to Process through a relationship, then create a Location custom dimension, with an option for each office location in your company. Lastly, you add components to the assessment, just as you would for an object type, which includes a select list that summarizes the overall effectiveness of the controls. Once the new assessment has been added to an action, users can generate assessment data based on a selected process, location, and control, then determine if the controls are effective based on the formula.

CONTROL ASSESSMENT



Assessments of our processes and control effectiveness by each office location.

FOCUS AND DATA



Process

Choose a Data Definition

Process and Controls ▾

CREATE NEW

DIMENSIONS

Object type dimension(s)

Select one... ▾

+ ADD SELECTED (0)

Custom dimension(s)

Select one... ▾

+ CREATE NEW

Control



Location



Overview

Workflow

Fields (0)

Formulas (1)

Relationships (2)

References (1)

Roles (0)

Summary information about the Object Type: related forms, object type groups, activities / applications, Reports, report definitions...

Related Forms

The Edit Assessment page. In this case, the focus object type is Process, the Control object type was added through the data definition, and Location is a custom dimension.

Create Risk Assessment

Create a New Risk Assessment

Risk Assessment Name

Time ?

Business Unit ?

CREATE

CANCEL

A new assessment before scope and launch.

Creating an assessment includes the following steps:

1. Create and configure the [object types](#) that will be used in the assessment.
2. [Create](#) an assessment:
 - a. Select a [focus, data definition, and dimensions](#) .
 - b. Configure the [workflow](#) for the assessment and any other object types in the assessment.
 - c. Add components (fields, formulas, relationships, and roles). See the [Object Types](#) section for more information on adding each component.
3. Add the assessment to each applicable [role](#) , then configure its [permissions](#) , including any [inferred permissions](#) . Ensure **Manage** permissions have been enabled for each role that will be creating assessments.
4. Create a new [navigation form](#) using the same data definition selected on the assessment.
5. Create a [configurable form](#) for the assessment and add the [Assessment Context](#) element and [Open Assessment Scoping](#) action to the form.
6. **Optional:** Add the [Assessment Dimension](#) property to the form of an object type that was used as a dimension or reference object on a previous assessment. Adding this property will display the assessment data as a read-only reference.
7. Add the assessment to an [action](#) so users can create assessment objects through an activity.
8. **Optional:** Add the assessment to a [view](#) to display the existing assessment objects through an activity.
9. **Optional:** Add assessment data to a form to view past assessment data through an [Assessment Table](#) .
10. **Optional:** Add the assessment to a [data visualization](#) to analyze its data.

Focus, Data Definition & Dimensions

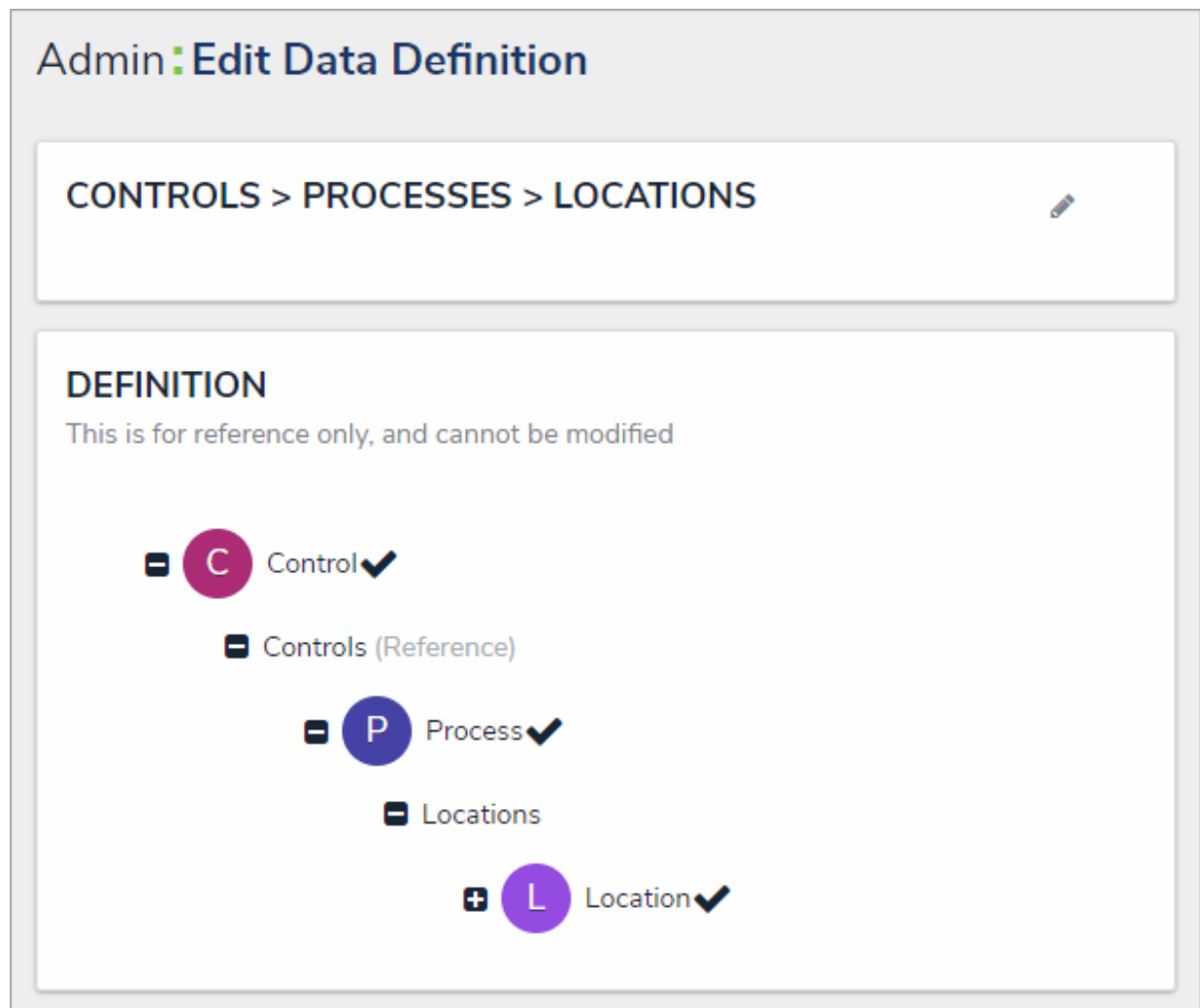
When creating an assessment, you must first select an object type to use as the **focus**, which determines which object types you can select when creating a **data definition**.

The **data definition** allows you to choose which additional object type(s) an assessment's data is drawn from using the focus object type's Data Path. The **Data Path** displays all the **relationships** and **references** associated with the focus object type, so you can select any related object types that you may want in the assessment. When object types are selected through the data definition, you can configure or create new workflows for them or flag them as reference data.

To categorize the assessment data, the following dimensions (assessment context) can be added:

- **Object Type Dimensions:** Allows users to add existing object types outside the data definition to the assessment as context (e.g. Business Unit). Users cannot create new objects through object type dimensions, but can view or edit the objects when scoping the assessment.
- **Custom Dimensions:** Similar to a **select list**, this dimension type appears on an assessment as a dropdown menu with options that you define in the **Custom Dimension** settings.

Both custom and object type dimensions appear on assessment forms as required fields, however, users are required to complete only one dimension before **scoping** . If scoping has not been enabled on the assessment, all dimension fields must be completed before the assessment is created. Any selections made in the dimension fields cannot be modified once the assessment has been saved.



The data path of a definition. The selected object types in the path determine which dimensions can be added to an assessment.

Name

Description

Select Process ?

Search for a Process

Location ?

Select one...

✕

Control Frequency

Select one...

Control Effectiveness

Select one...

Control Revision/Review

Select one...

Overall Effectiveness

-- not calculated --

↺

CREATE

A new blank assessment object with Process as the focus object type and Location as a custom dimension.



You can check if an object type is associated with any data definitions by going to **Administration > Object Types** clicking the object type to open the **Edit Object Type** page, then reviewing the **Related Data Definitions** section in the **Overview** tab. You can also view all the data definitions in your org in the [Data Definitions](#) section in **Administration**.

Instances & Reference Data

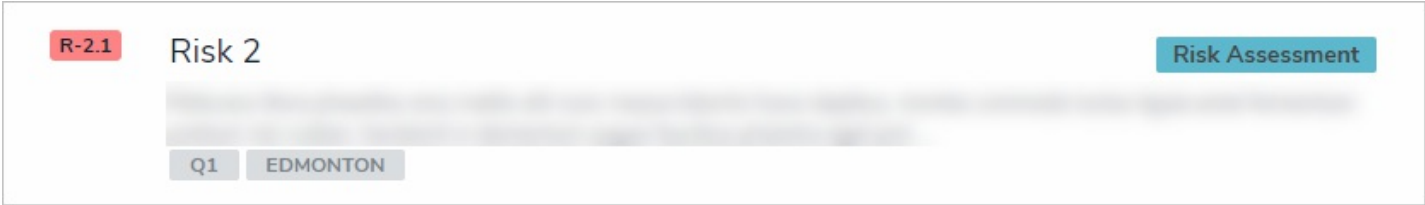
Once an assessment object is created, **instances** of each existing **focus** object added to the assessment's dimensions, along with any objects added to a relationship or reference on the assessment, are automatically created. Instances contain the same data as the original objects, except they're assigned unique IDs that are .1 number higher than the original, with any additional instances on the same object being assigned IDs that continue incrementally (e.g. .2, .3, .4, etc.). You can identify instances in a **view** because they display the dimensions from the related assessment below their names. For example, selecting the Payroll object with a unique ID of P-5 on an assessment will result in an automatically created instance of that object with the same data, but with a unique ID of P-5.1 and the Edmonton (Location) dimension displayed on the view. Instances from previous assessments can be reassessed. When this happens, an additional .1 increment is added to the instance's unique ID (e.g. P-5.1.1).

If objects in an assessment should **not** have instances created, administrators can flag object types in the selected data definition as **references**. Reference data in an assessment is considered to be important, secondary data that needs to be included, but not actually assessed. If a relationship between the assessment and a reference object type has been created, the **relationship** and **reference** form elements can be used to view, add, or edit data on a reference object.

Examples of assessment reference data include business units, locations, departments, products, teams, or legislation. Object types are flagged as references in the **Workflow** tab on the **Edit Assessment** page. See the **Assessments Workflows** section for more information on configuring the workflows to toggle instances on or off.

EXAMPLE

Because you're creating an assessment that evaluates your company's processes and the effectiveness of their controls at each office location, the focus object type of your assessment would be the Process object type. The data definition would then display all the object types related to Process through relationships and references where you would select the Control and Location object types. The Process and Location object types are used to create dimensions on the assessment, but Location is flagged as reference data. Now when a user selects a particular Process object when creating a new assessment, both the Process and Control objects will have new instances created. Meanwhile, because the Location object type was flagged as reference data, it appears on the assessment, but no instances of the Location object are created.



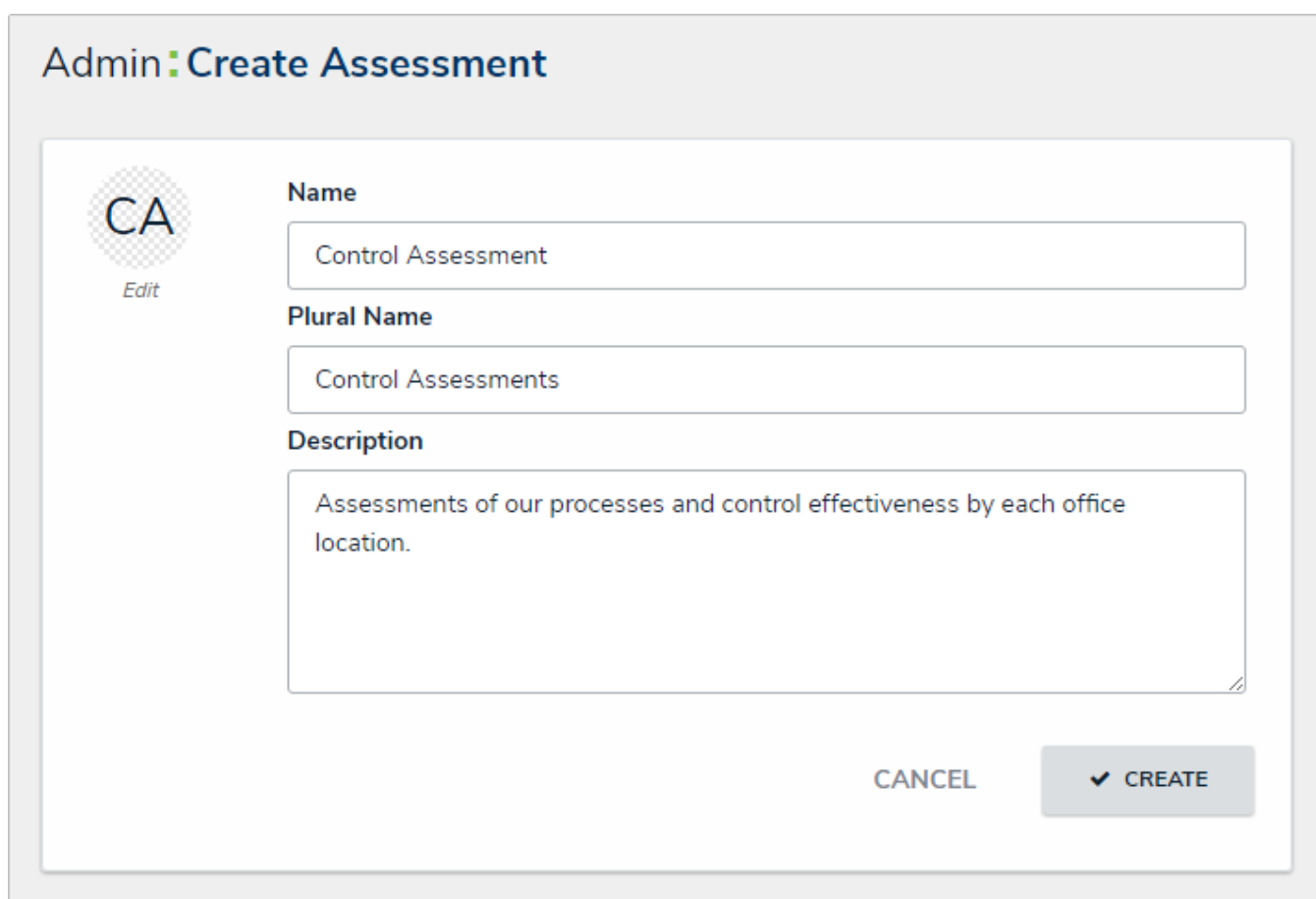
An example of an instance in a view, identifiable by the .1 increment added to the unique ID and the assessment dimensions (in this case, Q1 and Edmonton).

Create a New Assessment Type

Once an assessment type has been created, you can add it to data visualizations, object type groups, relationships, roles, configurable forms, actions, and views.

To create a new assessment type:

1. Click the  icon in the top bar > **Assessments** in the **Data Model** section.
2. Enter a name for the assessment in the **Name** field.
3. **Optional:** Enter a plural name for the assessment type in the **Plural Name** field, which will appear when viewing a list of the objects for the assessment (e.g. "View Control Assessments" instead of "View Control Assessment").
4. **Optional:** Enter a description of the assessment type in the **Description** field, which will appear on the **Assessments** and **Edit Assessment** pages.



Admin: Create Assessment

 Edit

Name
Control Assessment

Plural Name
Control Assessments

Description
Assessments of our processes and control effectiveness by each office location.

CANCEL CREATE

The Create Assessment page.

5. **Optional:** To edit the assessment monogram:
 - a. Click the monogram icon to the left of the **Name** field.
 - b. Enter 1 to 3 characters in the **Monogram** field.
 - c. Click the **Pick a color** dropdown menu to reveal the color picker. You can also type a hex color into this field to select a color.

Customize Monogram

Monogram

CA

Pick a color

#4a5960

✓ DONE

The Customize Monogram screen.

- d. Click **Done**.
6. Click **Create** to display the **Edit Assessment** page.
7. Select an object type to use as the assessment's **focus** from the **Choose an assessment focus** dropdown menu. The focus object type determines which object types you can select when creating or selecting a **data definition**.
8. Click **Set Focus**.

FOCUS AND DATA

Choose an assessment focus

Process

SET FOCUS

The Focus dropdown menu. The object type selected here will determine which data definition can be selected for the assessment.

 Once you've clicked **Set Focus**, you cannot modify your selection.

9. To choose an existing data definition, select it from the **Choose a Data Definition** dropdown menu.
10. To create a new data definition:
 - a. Click **Create New** to open the **Create Data Definition** panel.

FOCUS

P Process

Choose a Data Definition

Select one... ▼ **CREATE NEW**

The Data Definition section, which appears after selecting a focus.

- b. Enter the name for the definition in the **Name** field.
- c. **Optional:** Enter a description for the definition in the **Description** field. This description will appear when reviewing the [Data Definition](#) settings.

CREATE DATA DEFINITION ×

Name

Process and Control

Description

The Create Data Definition screen.

- d. Click the monogram, which represents the focus object type you're currently working in, to expand the node and any reveal relationships and references saved to the focus object type.

Select Data Paths

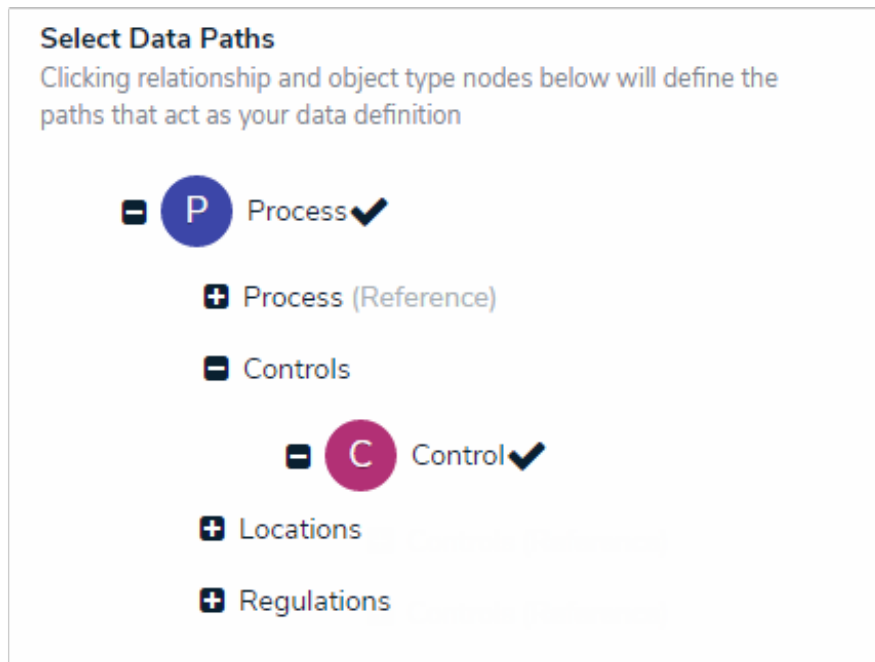
Clicking relationship and object type nodes below will define the paths that act as your data definition

+ **P** Process

CANCEL **✓ CREATE**

The Data Path with no object types selected. Clicking the monogram of the focus object type will expand the tree to show all the relationships and references.

- e. Click a relationship or reference to show the related object types (e.g. clicking the “Controls” relationship will reveal the Control object type).
- f. Click an object type to place a checkmark next to it and add the object type to the [data definition](#) . Any object types selected in the data definition can be used as [dimensions](#) or [reference data](#) on the assessment. For example, if you selected Process as the focus and Control in the data definition, both Process and Control can be added as dimensions.



Selecting object types on a new data definition. The object types selected can then be used as dimensions or reference data.

- g. Continue placing checkmarks beside the object types as needed.
- h. Click **Create** to close the palette.



You can review the data path of the definition from the [Data Definitions](#) section in **Administration**.

- 11. To create a [dimension](#) from an existing object type (that will appear on the assessment as a field through which users can select an existing object):
 - a. Click the dropdown menu below **Object Type Dimension(s)**, then select one or more object types that you want to appear on the assessment (e.g. selecting the Location object type will add fields on the assessment through which users can only select existing Location objects).
 - b. Click **Add Selected**.

Adding object type dimensions to an assessment.

12. To create a custom dimension, which will appear on the assessment as a dropdown menu with predefined options (similar to a [select list](#)) and will **not** allow users to select existing objects:
 - a. Click **Create New** from the dropdown menu below **Custom Dimension(s)**.
 - b. Enter a name in the **Dimension Name** field (e.g. Location).
 - c. Enter the name for an option as it will appear in the dimension (e.g. Edmonton).
 - d. Click **Add Another Dimension Option** to continue adding options.

The Create Dimension screen for custom dimensions.

- e. Click **Create**.
13. Click the **Workflow** tab. From here you can configure the assessment workflow, configure or create new workflows for

focus object types (object types toggled as on in the **Assessment Data** column), or flag object types as [reference data](#) . The object types on this tab are populated based on the object types selected in the assessment's data definition. See the [Configure an Assessment's Workflows](#) for more detailed information.

Overview Workflow Fields (0) Formulas (0) Relationships (1) References (0) Roles (0)			
Object Type	Assessment Data ?	Workflow Name	
Control Assessment (Assessment)		Control Assessment Workflow	CONFIGURE
Process (Focus)		Process (Library) ▾	CONFIGURE + NEW
Control		Control Status (Library) ▾	CONFIGURE + NEW
Issue		Issue Status (Library) ▾	

The Workflow tab on the Edit Assessment page.

- Click the **Fields** tab to add [fields](#) to the assessment.
- Click the **Formulas** tab to add [formulas](#) to the assessment.
- Click the **Relationships** tab to add [relationships](#) to the assessment.

To help indicate an object type is the focus of an assessment, a relationship between the assessment and the focus object type is automatically created on the assessment, which will then allow you to add a [reference](#) on the focus object type, if needed.

- Click the **Roles** tab to add [roles](#) and configure the [inferred permissions](#) on the assessment.
- Click **Done**.
- Create a **navigation form** to complete the scope and launch of the assessment.
- Create a [standard configurable form](#) for the assessment, ensuring you've added the [Assessment Context](#) element and the [Open Assessment Scoping](#) action to the form.
- Add the assessment to an [action](#) so assessment objects can be created through an activity.
- Optional:** Add the assessment to a [view](#) so existing assessment objects can be viewed through an activity.

Assessment Workflows Overview

Because objects in an assessment may require different processes depending on the assessment type (e.g. Audit versus ERM), administrators can configure unique workflows for object types added to assessments.

While assessment types can only have one workflow, the object types added to an assessment can have multiple. Additional workflows can only be created in the **Workflow** tab on the **Edit Assessment** page, however, once a workflow is created, it can be used for the object type on any other assessments (if that object type has been added to the data definition). The states in those additional workflows can be used to filter the objects displayed in [views](#) , [data visualizations](#) , or [search](#) results.

The primary workflow created for each object type outside of an assessment is identified in the **Workflow** tab as **[Object Type Name] (Library)**. When you create a new workflow for an object type from the **Edit Assessment** page, you can reuse that workflow in other assessments, views, data visualization filters and parameters, and searches. Reusing previously created assessment workflows is useful when an object type has similar processes across more than one assessment. For example, if the Control object type was used in the Control Self Assessment, an administrator could select that assessment's workflow when Control was used in the Audit assessment.

Each new assessment and object type is created with an automatically generated workflow that includes the following [states](#) , [triggers](#) , and [transitions](#) that can be edited, deleted, or replaced (except **Creation**):

1. **Creation:** Contains a **Create** button trigger that transitions the object to the **Not Started** state. This state cannot be deleted nor can its name or color be edited, however, the trigger can be edited or replaced as needed.
2. **Not Started:** Contains a **Start** button trigger that transitions the object to the **In Progress** state.
3. **In Progress:** Contains a **Complete** button trigger that transitions the object to the **Complete** state.
4. **Complete:** Contains an **Archive** button trigger that transitions the object to the **Archive** state.
5. **Archive:** This state contains no triggers or transitions.

STATES

+ ADD STATE

CREATION

⚡ TRIGGERS

+ ADD TRIGGER

CREATION STATE

0 REQUIRED COMPONENTS

Create

⇌ Transitions to

Not Started

NOT STARTED

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Start

⇌ Transitions to

In Progress

IN PROGRESS

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Complete

⇌ Transitions to

Complete

COMPLETE

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

Archive

⇌ Transitions to

Archive

ARCHIVE

⚡ TRIGGERS

+ ADD TRIGGER

0 REQUIRED COMPONENTS

This State has no Triggers

The standard workflow that's created with each new assessment and object type.

The object types available in the **Workflow** tab on the **Edit Assessment** page are populated based on the [data definition](#) selected when creating the new assessment. From this tab, you can also specify whether these object types' data should actually be assessed and have instances created or should be used only as reference data. Note that you cannot create or configure workflows for object types used as reference data in assessments. For more information, see the [Assessment Data & Reference Data](#) article.

Assessment Data & Reference Data

When configuring an assessment's workflow(s), administrators can choose if instances (clones) of the objects added to the assessment will be created or if they will be used only as reference data, which is considered important, secondary data that needs to be included, but not actually assessed. This is done by enabling or disabling the **Assessment Data** option in the **Workflow** tab from the **Edit Assessment** page.

By default, the **Assessment Data** option is enabled for all the object types on the **Workflow** tab, which is populated based on the assessment's [data definition](#) . When enabled, any objects added to the assessment through the [dimension](#) , [relationship](#) , or [reference](#) fields will have instances of that object created. When disabled, these objects can still be added to the dimensions, relationship, or reference fields, but no clones of the objects will be created. Specifically:

- **If Assessment Data is enabled:** Instances of objects added to the dimension, relationship, or reference fields on an assessment are created. To prevent unnecessary duplicate data, objects that were already cloned in an assessment are not cloned again if they're added to a relationship or reference field on the same assessment. For example, Assessment Data is enabled for the Control object type. The Control 1 object was added to Assessment A and the instance, Control 1.1, was created, but additional instances of Control 1 are not created when this object is added to the Risk relationship on Assessment A. However, adding Control 1 to Assessment B will create an additional instance (Control 1.2) because this object was not previously cloned in this particular assessment. This applies to [library](#) and assessment objects.
- **If Assessment Data is disabled:** Objects added to the dimension, relationship, or reference fields on an assessment are linked to the relationship/reference and/or assessment objects, but instances are not created. For example, Assessment Data is disabled for the Control object type. The Control 1 object was added to Risk Assessment A and the Risk relationship on Assessment A, but no clones of Control 1 are created. This applies to library and assessment objects on new and launched assessments.

Note that you cannot create or configure workflows for object types added to assessments unless the **Assessment Data** option is enabled. Additionally, disabling **Assessment Data** for a [root object type](#) will also disable the option for any leaf (relationship or reference) object types in the data definition.

In the screenshot below, only objects from Process will have instances created, while the IT Application and Risk object types, including the relationships and references saved to Risk (i.e. Control, Issue, Corrective Action, and Test), will not have any instances created should any of their objects be added to the assessment as dimensions or relationship or reference objects.

Overview Workflow Fields (0) Formulas (1) Relationships (1) References (1) Roles (0)				
Object Type	Assessment Data ⓘ	Workflow Name		
SOX Certification Assessment (Assessment)		SOX Certification Assessment Workflow		⚙️ CONFIGURE
Process (Focus)		SOX Process Certification	▼	⚙️ CONFIGURE + NEW
IT Application		IT Application (Library)	▼	
Risk		Risk Status (Library)	▼	
Control		Control Status (Library)	▼	
Issue		Issue Status (Library)	▼	
Corrective Action		Corrective Action Status (Library)	▼	
Test		Test Status (Library)	▼	

The Workflow tab of an assessment. Only the Process object type will have instances of its objects created when added to the assessment.

Configure Assessment Workflows

To configure an assessment's workflow(s):

- 1. Click the  icon in the top bar > **Assessments** in the **Data Model** section.
- 2. Click the assessment or enter the name of the assessment in the **Search** field, then click it to display the **Edit Assessment** page.
- 3. Click the **Workflow** tab near the bottom of the page to display the object types in the assessment's data definition.

Overview Workflow Fields (4) Formulas (0) Relationships (2) References (0) Roles (0)					
Object Type	Assessment Data ?	Workflow Name			
Risk Assessment (Assessment)		Risk Assessment Workflow  CONFIGURE			
Process (Focus)		Process Status (Library)   CONFIGURE  NEW			
Sub Process		Sub Process Status (Library)   CONFIGURE  NEW			
Risk		Risk Library Workflow (Library) 			
Issue		Issue Status (Library) 			
Control		Control Status (Library) 			

The Workflow tab on the Edit Assessment page. The object types in this tab are populated based on the data definition selected for the assessment.

- 4. To toggle an object type on or off as **reference data** :
 - a. Click the  icon beside an object type to toggle it and any relationship and reference object types below it, as off. To toggle an object type as on, click the  icon.

 You cannot configure the workflows of object types flagged as reference data in assessments.

- 5. To edit an existing workflow:
 - a. Click **Configure** in the row for the assessment or appropriate object type on the **Edit Workflow** page. If an object type has multiple workflows, select it from the dropdown menu in the **Workflow Name** column, then click **Configure**.
 - b. Make adjustments to the workflow states, triggers, transitions, and actions as needed. See [Workflows](#) for more information on configuring these settings.
- 6. To create a new workflow for object types that are **not** flagged as reference data, click **New** in the row for the appropriate object type. See the [Workflows](#) section for more information on creating a new workflow.

Edit or Delete an Assessment Type

You can edit or delete an assessment type and most of its settings **provided that the assessment has not been launched**. Once an assessment is launched, the assessment and the following data associated with it will be locked, including:

- Object types;
- Dimensions;
- Formulas, relationships, or roles; or
- Object type groups.

This article provides instructions for editing or deleting an assessment that has **not** been launched. To edit or delete any of the above data after an assessment has been launched, the assessment, the assessment objects, and [instances](#) must first be deleted. See the [Delete a Launched Assessment Type](#) for more information. For information on deleting individual assessment objects and their instances, see the [Delete a Launched Assessment Object](#) article.

To edit or delete an assessment:

1. Click the  icon in the top bar > **Assessments** in the **Data Model** section.
2. Click the assessment or enter the name of the assessment in the **Search** field, then click it to display the **Edit Assessment** page.
3. To edit the assessment's name, description, or monogram, click the  icon next to the assessment's name at the top of the page.
4. To edit the data definition, select an existing definition from the **Choose a Data Definition** dropdown menu or click **Create New** to create a new one.



Selecting a new data definition will reset any configured workflows on your assessment.

5. To add a new custom dimension, select an existing custom dimension from the dropdown menu in the **Custom dimension(s)** section or click **Create New** to add a new dimension.
6. To add a new object type dimension, select an object type from the dropdown menu in the **Object type dimension(s)** dropdown menu, then click **Add Selected**.
7. To delete either a custom or object type dimension from the assessment, click the  icon beside the dimension.
8. Click the tabs at bottom of the page to add, edit, or delete the components, including the workflows, of the assessment.
9. To delete the assessment, click the  icon, then **Yes** to confirm.

Scope & Launch Overview

When referring to assessments, **scope** refers to end users refining what will be assessed by selecting specific objects or **instances**, while **launch** means fully creating an assessment after completing all the steps required by end users.

To scope, a user creates a basic assessment by entering a name and selecting at least one **dimension**, along with any other fields added to the assessment form. After moving the assessment out of the **Creation** state, they then click the **Open Assessment Scoping** form action to select objects and/or instances from the assessment **focus** object type(s). The data is further filtered through the use of a **navigation form**. The tree view on the form helps users decide if related objects are relevant and allows them to add or remove those objects from the assessment. Depending on the user's **permissions**, the navigation form can also allow review and editing of an object through a palette.

Navigation forms are not required when launching assessments as it's possible to use a [standard form](#) with the [Assessment Context](#) element to create new assessments, however, **navigation forms are recommended under most circumstances**. See the [Navigation Form](#) article for more information.

For information on the steps an administrator must take to allow for the scope and launch of an assessment, see the [Scope & Launch Requirements](#) article. For information on the steps an end user must take to complete an assessment, see the [Scope & Launch/Create an Assessment](#) article.

Q3 2018 Assessment: Toronto

2018 - Q1 - Time Period
Toronto - Business Unit

Add a Risk Category to your assessment from the list below. If it's necessary, you can add multiple Risk Categories to focus on. You'll be able to perform more granular scoping before you confirm the scope of your assessment.

Filters

By Name

By Assessment Type

Select one...

By Dimension

Select one...

By Description

By Unique ID

By state

Select one...

RC-1

Operational

ACTIVE

We do this by enabling them to manage both risk and security across the enterprise in a single solution. Our intuitive integrated risk management software for mid to large-sized or...

+ ADD TO SCOPE

ASSESSMENTS

***	R&C Self Assessment	2018 - Q4	TORONTO	ASSESSMENT	- REMOVE FROM SCOPE
***	R&C Self Assessment	2018 - Q2	TORONTO	ASSESSMENT	+ ADD TO SCOPE
***	R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	+ ADD TO SCOPE
***	R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	+ ADD TO SCOPE
***	R&C Self Assessment	2018 - Q2	EDMONTON	ASSESSMENT	+ ADD TO SCOPE

LOAD MORE

Page 1 of 1 (1 to 1 of 1 items)

There are currently 36 objects added and ready for review

A navigation form used to scope an assessment prior to launch. After objects and instances are selected, clicking the green banner will display the navigation form.

FILTERS



REVIEW YOUR SCOPE

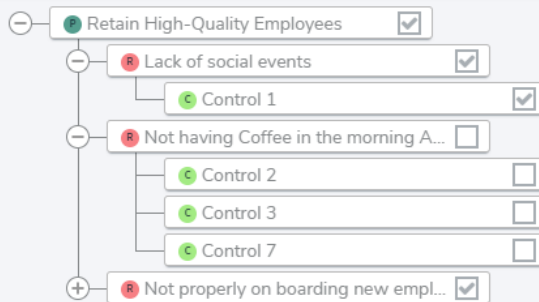
Take a look at the scope of your assessment by expanding the tree and seeing if you want to assess. To narrow the scope of your assessment, expand the nodes on the tree and then select or de-select specific items until you have exactly the data you want to assess selected.

Assessment details:

Risk Assessment — Risk

Assessment 36

Q1 - Time



CONFIRM SCOPE

The navigation form to allow further refinement of the assessed data.

Scope & Launch Requirements

Before an assessment can be launched using the scoping tool, an administrator must complete the following steps:

1. [Create](#) and configure the assessment from the administrative settings.
2. Create a [navigation form](#) using the same [focus](#) object type or [data definition](#) as the assessment.
3. Create a [standard form](#) to be used when creating the assessment, ensuring the **Name** and **Assessment Dimension properties** have been added, along with the [Open Assessment Scoping](#) action with the appropriate navigation form selected.
4. Using the form from step 3 or a similar form with the **Open Assessment Scoping** action, create a [view](#) for the assessment in the **Not Started** state (or equivalent) to allow users to return to assessments that have not yet been scoped.
5. Add the assessment to an [action](#) , using the form in step 3 above to allow users to create new assessments.
6. Ensure the appropriate users' [roles](#) have been properly configured to access the assessment, actions, and views.

Scope & Launch Thresholds & Best Practices

To successfully scope and launch large data sets in an assessment (e.g., compliance frameworks or other objects with thousands of related objects), there are best practices that should be followed to avoid timeouts and other errors. These best practices include:

- Whenever possible, keep the total number of scoped objects per assessment to fewer than 2,000. This may mean scoping large data sets in individual assessments.
- If more than 2,000 objects must be scoped in an individual assessment, each scoped object should have fewer than 2,000 related objects and no more than 10,000 total objects per assessment. Once these thresholds have been reached, launching the assessment or adding more objects from the scoping tool or navigation form may result in a timeout.
- Add only one object with several related objects (up to 2,000 total) to the scope at a time to avoid timeouts, allowing the number in the banner at the bottom of the scoping tool page to update before adding more objects.

Note that an assessment with more than 10,000 total objects may launch successfully; however, subsequent attempts will often fail as the data in your organization grows. **Attempting to launch an assessment over the 10,000-object threshold is not recommended, nor is this scenario covered under the Resolver Support program should errors arise.**

Scope & Launch User Interface

Scoping Tool

The screenshot shows the 'Q3 2018 Assessment: Toronto' page. At the top, the assessment title is followed by a link to 'EDIT ASSESSMENT DETAILS'. Below the title, there are filters for '2018 - Q1 - Time Period' and 'Toronto - Business Unit'. A message states: 'Add a Risk Category to your assessment from the list below. If it's necessary, you can add multiple Risk Categories to focus on. You'll be able to perform more granular scoping before you confirm the scope of your assessment.' On the left, a 'Filters' panel includes search boxes for 'By Name', 'By Description', and 'By Unique ID', and dropdown menus for 'By Assessment Type' and 'By state'. The main area shows a table of objects with columns for 'RC-1', 'Operational', and 'ACTIVE'. The table lists five 'R&C Self Assessment' entries with details like '2018 - Q4', 'TORONTO', and 'EDMONTON'. Each entry has an 'ASSESSMENT' button and an 'ADD TO SCOPE' button. A 'LOAD MORE' link is at the bottom of the table. A green banner at the bottom states 'There are currently 19 objects added and ready for review'.

Q3 2018 Assessment: Toronto

2018 - Q1 - Time Period Toronto - Business Unit

Add a Risk Category to your assessment from the list below. If it's necessary, you can add multiple Risk Categories to focus on. You'll be able to perform more granular scoping before you confirm the scope of your assessment.

Filters

By Name

By Assessment Type

By Dimension

By Description

By Unique ID

By state

RC-1 Operational ACTIVE

ASSESSMENTS

R&C Self Assessment 2018 - Q4 TORONTO ASSESSMENT REMOVE FROM SCOPE

R&C Self Assessment 2018 - Q2 TORONTO ADD TO SCOPE

R&C Self Assessment 2018 - Q4 EDMONTON ADD TO SCOPE

R&C Self Assessment 2018 - Q4 EDMONTON ADD TO SCOPE

R&C Self Assessment 2018 - Q2 EDMONTON ADD TO SCOPE

LOAD MORE

Page 1 of 1 (1 to 1 of 1 items)

There are currently 19 objects added and ready for review

The scoping tool. This page is accessed by clicking an Open Assessment Scoping action on an assessment form.

1. The name of the assessment.
2. The **Edit Assessment Details** link. Clicking this link will return you to the assessment to edit or add information to the form.
3. The assessment's **dimensions** . These selections cannot be modified.
4. Filters that can refine the objects and **instances** displayed on the page.
5. **Focus** objects that can be added to the assessment.
6. The **Add To Scope** and **Remove From Scope** buttons to add or remove objects and instances from the assessment.
7. Instances of the object (past assessments) that can be added to the scope. If there are no existing assessment objects, this section will be hidden. Hovering your cursor over the ellipsis next to an instance will display its unique ID and the date it was created.
8. Displays the current number of objects and instances added to the scope (either directly by clicking the **Add To Scope** link or through relationships or references based on the assessment's **data definition**). Clicking this banner will display the navigation form.

Navigation Form

The screenshot displays the 'REVIEW YOUR SCOPE' interface. At the top, a green banner indicates 'There are currently 23 objects added and ready for review'. Below this, a 'FILTERS' section is visible. The main area shows a tree structure of objects and instances, each with a checkbox. The tree is organized as follows:

- Retain High-Quality Employees (checked)
 - Lack of social events (checked)
 - Not having Coffee in the morning A... (checked)
 - Control 2 (checked)
 - Control 3 (checked)
 - Control 7 (checked)
 - Issue 1 (checked)
 - Issue 2 (checked)
 - Issue 3 (checked)
 - Issue 9 (checked)
 - Issue 12 (checked)
 - Not properly on boarding new empl... (checked)

On the left, under 'Assessment details:', it shows 'Risk Assessment — Risk 42' and two filters: 'Q2 - Time' and 'Toronto - Business Unit'. A 'CONFIRM SCOPE' button is located on the right. Numbered callouts (1-5) highlight specific UI elements: 1 points to the top banner, 2 to the filters icon, 3 to the tree collapse/expand icons, 4 to the 'CONFIRM SCOPE' button, and 5 to the assessment details section.

The assessment navigation form, which is accessed after adding objects and instances to the scope.

1. Displays the current number of objects and instances added to the scope from the scoping tool and through relationships and references. Clicking this banner will return you to the scoping tool.
2. Clicking this icon will display the available filters, based on the object type, that can be applied to refine the objects displayed in the tree.
3. Additional objects that can be added or removed from the scope of the assessment, which appear based on the assessment's/navigation form's data definition. Clicking the + icon will expand the nodes to reveal relationships or references on a selected object, while clicking the - icon will collapse the nodes. Deselecting a checkbox beside an object will remove it and the relationship and reference objects below it from the scope. Depending on your role's [permissions](#), clicking an object's monogram or name in the tree will display the object's form in a palette.
4. Saves the selection of objects and instances added to the scope and launches the assessment.
5. The assessment details, including its name and dimensions.

Scope & Launch/Create an Assessment

This article provides instructions for creating a new assessment then scoping and launching it immediately after creation. If the assessment was already created, it's possible to scope and launch it by opening it in a [view](#) , then following the instructions starting from step 6.

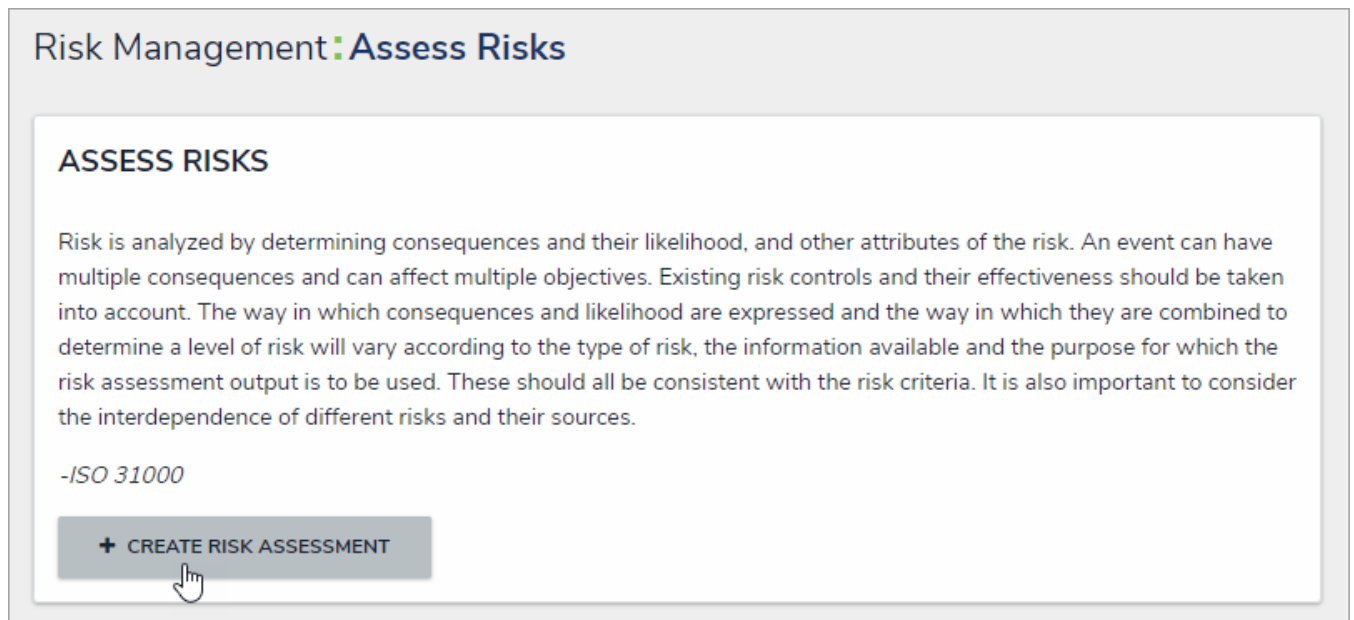
For more information on why assessments are scoped and launched, see the [Scope & Launch Overview](#) article. To learn more about the user interface of the scoping tool, see the [Scope & Launch User Interface](#) article.



The names of the forms, triggers, objects, etc. in the steps and screenshots below will vary depending on your organization's current configuration.

To scope and launch an assessment:

1. Navigate to the [application](#) and activity where the **Create Assessment** [action](#) is saved.
2. Click the action button to open the assessment form.



An assessment action. Clicking the button will open the assessment form.

3. Enter a name for the assessment in the **[Assessment] Name** field.
4. Complete one or all of the dimension fields.

Create Risk Assessment

Create a New Risk Assessment

Risk Assessment Name

Risk Assessment 36

Time ?

Q1

x

v

x

Business Unit ?

Search for a Business ...

v

x

CREATE

CANCEL

A form to create a new assessment.



The assessment dimension fields are marked as required, however, you are only required to complete **one** dimension field before you can create the assessment. Note, however, that any selections made in the dimension fields on this form cannot be undone once the assessment is saved.

5. Click the **Create** trigger to display the assessment review form.

Risk Assessment Review

Risk Assessment 36

Risk Assessment Name

Risk Assessment 36

Time

Q1

ADD PROCESSES AND RISKS

An assessment review form.

6. Click the [Open Assessment Scoping](#) action button (*Add Processes and Risks* in the screenshot above) to launch the scoping tool, which will display a list of [focus](#) objects that can be added to the assessment.
7. If needed, refine which objects are displayed by using one or more of the following default filters in the **Filters** pane to the left:
 - **Name:** Filters which objects are displayed based on their **Name** [property](#). When entering keywords in this field, press **Enter** on your keyboard to apply the filter.
 - **By Assessment Type:** Filters results by object type or assessment type. For example, in the screenshot below, selecting R&C Self Assessment in the **By Assessment Type** filter will only display objects with [instances](#) (assessment objects) that were created through the R&C Self Assessment type. Selecting the **Library** option in this filter will hide any instances. If no instances exist for the object, the **Assessments** section will be hidden automatically.
 - **By Dimension:** Filters which instances are displayed in the **Assessments** section by object type [dimension](#) . Once one or more options are selected in the **By Dimension** filter, additional filters are displayed to allow you to further narrow down the results. For example, in the screenshot below, selecting the Time Period and Business Unit object type dimensions displays additional filter options, where you can select specific objects (in this case 2018 - Q4 and Toronto). If no instances exist for the object, the **Assessments** section will be hidden.

Applying By Assessment Type and By Dimension filters to narrow down the results.

- **By Description/Unique ID:** Filters objects and instances by their **Description** and **Unique ID** properties .
- **By State:** Filters objects and instances by workflow state, including states from other [assessment workflows](#) .
- **Other:** Additional filters based on plain text fields, select lists, and multi-select lists added to the focus object type in the assessment. When entering keywords in a text field filter, press **Enter** on your keyboard to apply the filter.

8. To remove any unneeded filters, click the **X** beside the filter in the **Filters applied** section.

Removing unneeded filters in the Filters applied section.

9. **Add to Scope** beside an object to add it to the assessment.
10. To add an instance to the assessment, click the **Assessments** link below an object, then click **Add to Scope**. For more information about an instance, hover your cursor over the ellipsis beside the record.

RC-1

Operational

ACTIVE

We do this by enabling them to manage both risk and security across the enterprise in a single solution. Our intuitive integrated risk management software for mid to large-sized or...

+ ADD TO SCOPE

ASSESSMENTS ^

...	R&C Self Assessment	2018 - Q4	TORONTO	ASSESSMENT	+ ADD TO SCOPE
...	R&C Self Assessment	2018 - Q2	TORONTO	ASSESSMENT	+ ADD TO SCOPE
...	R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	+ ADD TO SCOPE
...	R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	+ ADD TO SCOPE
...	R&C Self Assessment	2018 - Q2	EDMONTON	ASSESSMENT	+ ADD TO SCOPE

LOAD MORE

Clicking the Assessments link below an object will display any instances, which can then be added to the assessment.



If an object has not been previously assessed, it will not have any instances and the **Assessments** link will be hidden.

- Remove any unneeded objects or instances by clicking **Remove From Scope** beside that object or instance.
- Click the green banner at the bottom of the page to display the assessment [navigation form](#).

Q3 2018 Assessment: Toronto

2018 - Q1 - Time Period
Toronto - Business Unit

EDIT ASSESSMENT DETAILS

Add a Risk Category to your assessment from the list below. If it's necessary, you can add multiple Risk Categories to focus on. You'll be able to perform more granular scoping before you confirm the scope of your assessment.

Filters

By Name

By Assessment Type

By Dimension

By Description

By Unique ID

By state

RC-1
Operational

ACTIVE

ADD TO SCOPE

ASSESSMENTS

R&C Self Assessment	2018 - Q4	TORONTO	ASSESSMENT	REMOVE FROM SCOPE
R&C Self Assessment	2018 - Q2	TORONTO	ASSESSMENT	REMOVE FROM SCOPE
R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	ADD TO SCOPE
R&C Self Assessment	2018 - Q4	EDMONTON	ASSESSMENT	ADD TO SCOPE
R&C Self Assessment	2018 - Q2	EDMONTON	ASSESSMENT	ADD TO SCOPE

LOAD MORE

Page 1 of 1 (1 to 1 of 1 items)

There are currently 30 objects added and ready for review

Clicking the green banner at the bottom of the page will display a navigation form where you can review and refine the objects and instances added to the scope.

- Click the  icons in the tree to expand the nodes in the tree and display any [relationships](#) or [references](#) to the objects added to scope. The objects displayed in the tree are determined by the [data definition](#) selected by an administrator.
- Click the names of the objects in the tree to review them in a palette. You may be able to edit the content in the form, depending on your role's [workflow permissions](#).
- Deselect the checkboxes beside objects you wish to remove from the scope. By default, all objects and their relationships or references are selected (added to the scope). Deselecting an object in an upper node will automatically deselect the objects in the nodes immediately below it.

297

There are currently 12 objects added and ready for review ▼

FILTERS

REVIEW YOUR SCOPE

Take a look at the scope of your assessment by expanding the tree and seeing if you want to assess. To narrow the scope of your assessment, expand the nodes on the tree and then select or de-select specific items until you have exactly the data you want to assess selected.

Assessment details:
 Risk Assessment — Risk
 Assessment 36
 Q1 - Time

- [-] ☒ Retain High-Quality Employees ☒
- [-] ☒ Lack of social events ☒
 - ☒ Control 1 ☒
- [-] ☒ Not having Coffee in the morning A... ☐
 - ☐ Control 2 ☐
 - ☐ Control 3 ☐
 - ☐ Control 7 ☐
- [+] ☒ Not properly on boarding new empl... ☒

CONFIRM SCOPE

Reviewing your scope. De-selecting objects will remove them from the scope.



Instances cannot be deselected from the navigation form. To remove instances from the scope, click the green banner at the top of the page, then click **Remove From Scope** beside the instances in the **Assessments** sections.

16. To filter which objects are displayed in the tree, click the  icon, then select an object type in the **Select object type to filter tree with** dropdown menu to show the available plain text, select list, property filters available for that object type.
- To hide the filters, click the  icon.

FILTERS

Select object type to filter tree with

Process

By Name

By Description

By Unique ID

By state

Select one...

By Narrative

By Adequate Segregation of Duties?

Select one...

By Process Volatility

Select one...

By Susceptibility to Fraud

Select one...

By Number of Historical Findings

Select one...

By Complexity

Select one...

Available filters on the navigation form.

- Click **Confirm Scope**, then **Yes** to confirm and launch the assessment. If you created the assessment then accessed it later from a view, the form selected for that view will be displayed after clicking **Yes**. Otherwise, the form used to originally create the assessment will be displayed.

Add Data to a Previously Launched Assessment

It's possible to add data to a previously launched assessment, however, adding objects to a launched assessment's relationship or reference fields may create clones (or **instances**) of those objects or merely **link** them together, which depends on the circumstances and if the **Assessment Data** option is enabled for the corresponding object type.

To check if the **Assessment Data** option is enabled, review the [Workflow tab](#) of the **Edit Assessment** page. If needed, you can disable this option for one or more object types, add the objects to the assessment, then re-enable the option so that future objects added will have instances created.

For more information on instances and reference data and when instances or links are created, see the [Assessment Data & Reference Data](#) article.

Delete a Launched Assessment Object

Deleting an assessment object will delete the individual object, together with any [instances](#) and links to [reference](#) data. To delete an assessment object, you must have:

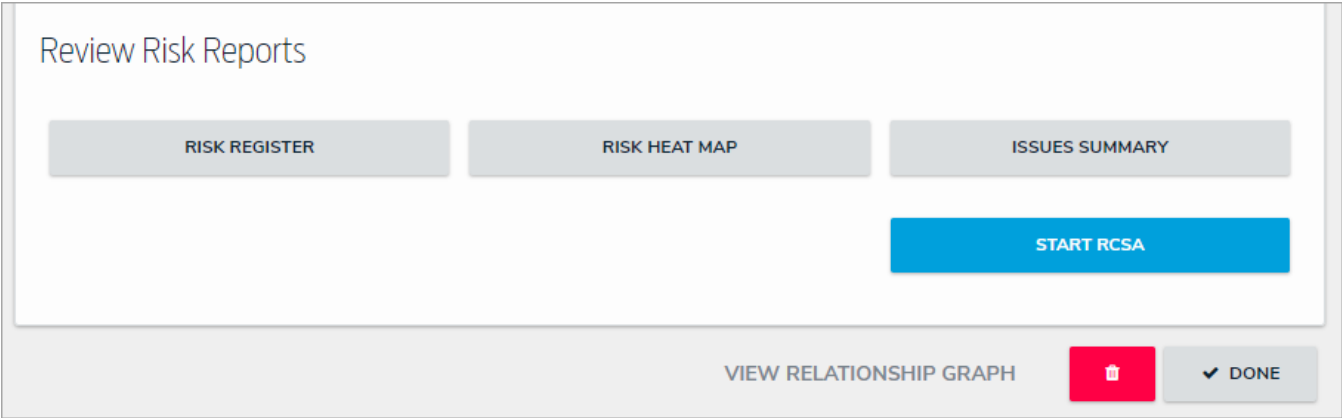
- Administrative privileges enabled on your [user account](#) ; and
- The assessment type added to your [role](#) with [Delete](#) permissions enabled for all states for the assessment type and object types included in the assessment [OR All Access](#) enabled on your user account.

Deleting an assessment object will **not** delete the assessment type. To delete a launched assessment type and all its objects and instances, see the [Delete a Launched Assessment](#) article. To delete an assessment that has not yet been launched, see [Edit or Delete an Assessment](#) .

To delete an assessment object:

1. Open the assessment object by navigating to it in a [view](#) or using the [search](#) tool.

2. Scroll to the bottom of the page to locate the  icon.



The Delete icon at the bottom of an assessment object.

3. Click the icon to display the **Confirm Delete** window and review the number of objects (including instances) in the assessment that will also be deleted.

 **Referenced objects** mapped to the assessment are **not** deleted.

4. Type **yes** in the text field (not case-sensitive), then click **Delete**.

Delete a Launched Assessment Type

Deleting an assessment type will also delete all objects and instances associated with the assessment. To delete an assessment type, you must have:

- Administrative privileges enabled on your [user account](#) ; and
- The assessment type added to your [role](#) with [Delete](#) permissions enabled for all states for the assessment type and object types included in the assessment [OR All Access](#) enabled on your user account.

To delete an individual assessment object and its instances, see the [Delete a Launched Assessment Object](#) article. To delete an assessment that has not yet been launched, see [Edit or Delete an Assessment](#) .

To delete a launched assessment type:

1. Click the  icon in the top bar > **Assessments** in the **Data Model** section.
2. Click the assessment or enter the name of the assessment in the **Search** field, then click it to display the **Edit Assessment** page.
3. Click **Delete All** at the top-right of the page to the **Confirm Delete** screen.



The Delete All option on the Edit Assessment page.



If **Delete All** is not visible, ensure your account has admin privileges. Additionally, [Delete](#) permissions must be enabled on your role for all the assessment workflow states [OR All Access](#) must be enabled on your account.

4. Type **yes** in the text field (not case-sensitive), then click **Delete ALL**.



Deleting an assessment will delete **all** its objects and instances. [Referenced objects](#) mapped to the assessment are not deleted.

Data Definitions Overview

A **data definition** allows you to choose which object type(s) certain components draw their data from, including:

- [Assessments](#)
- [Data Visualizations](#)
- [Concatenations](#)
- [Orchestration event actions](#)
- [Navigation forms](#)

When creating a data definition, you must first select an **anchor** (root) object type, which is the starting point of your **data path**. Once an anchor is selected, the data path displays all the [relationships](#) and [references](#) associated with the anchor, so you can select the related object types you may want to include in an assessment or report. For data visualizations, once your object type selections are saved in the data definition, you can further narrow down the data by creating new or using existing sub-data definitions, known as [data series](#), then adding them to your visualization.



Because the structure of data definition resembles a tree, the anchor object type is also known as the root, the relationships and references on the anchor are the branches, and the object types within those relationships or references are the leaves on the branches.

Through the **Data Definitions** settings in **Administration**, you can create new data definitions as well as review existing definition by selecting the [By Anchor](#) tab or the [By Leaf](#) tab on the **Data Definitions** page.

By Anchor

When the **By Anchor** tab is selected, the data definitions are organized alphabetically first by the anchor (root) object type, **focus eligible** definitions, then **data series** (sub-definitions). Clicking on a definition or data series will display the **Edit Data Definition** page where you can review the data path and edit the definition name and/or description.

Admin : Data Definitions

+ CREATE DATA DEFINITION

By Anchor

By Leaf

The Data Definitions are grouped by the root Object Type

Act

Activity

ACTIVITY ONLY

REPORT FOCUS ELIGIBLE

Activity*Officer Response*Officer

Activity/Business Unit

SHOW MORE...

ACTIVITY*OFFICER RESPONSE*OFFICER

REPORT FOCUS ELIGIBLE

Persons

Person > Case > Person Assessment

SHOW MORE...

ACTIVITY, BUSINESS UNIT*, INCIDENT TYPE*

The Data Definitions page with the By Anchor tab selected.

By Leaf

When the **By Leaf** tab is selected, the data definitions are organized alphabetically by the last object type in the data definition. All definitions displayed in the **By Leaf** tab are [focus eligible](#) . Clicking on a definition will display the **Edit Data Definition** page, where you can [edit](#) or [delete](#) the definition.

Admin : Data Definitions

+ CREATE DATA DEFINITION

By Anchor

By Leaf

The Data Definitions are grouped by the leaf Object Type, where all Data Definitions end on the same Object Type

L

LOCATION

Location Definitions

REPORT FOCUS ELIGIBLE

Location only

REPORT FOCUS ELIGIBLE

Definitions page with the By Leaf tab selected. The definitions are organized by the last object type in the data definition.

Data Series

Data series are sub-definitions that are populated based on the [leaf](#) or leaves in a data definition. Specifically, if a leaf object type has also been added as the anchor to another data definition, it will appear as a data series.

EXAMPLE

The Location Only data definition has the Location object type as its anchor, making it focus eligible. Because the Location object type has been selected on two other data definitions in the org (Risks & Controls and Time Spent (Hrs)), those definitions appear as sub-definitions below Location Only. Clicking on one of those sub-definitions, in this case, Risks & Controls, will display its data path with the Location object type as its anchor.

Admin : Data Definitions

+ CREATE DATA DEFINITION

By Anchor

By Leaf

The Data Definitions are grouped by the root Object Type

Act

Activity

ACTIVITY ONLY

REPORT FOCUS ELIGIBLE

Activity*Officer Response*Officer

Activity/Business Unit

SHOW MORE...

ACTIVITY*OFFICER RESPONSE*OFFICER

REPORT FOCUS ELIGIBLE

Persons

Person > Case > Person Assessment

SHOW MORE...

Clicking a sub-definition will display the Edit Data Definition page where you may edit its name and review the data path.

Sub-definitions will also appear as separate data definitions below the anchor object when the [By Anchor](#) tab is selected. A data series definition may also [focus eligible](#) , depending on the data path.



Sub-definitions/data series are required when creating [report](#) or [data grid](#), which allows you to further define which object type data is displayed.

Focus Eligible Definitions

The data definitions labelled as **Focus Eligible** are definitions that can be selected when creating a new [data visualization](#) and are used to broadly specify which object type's data will be displayed in the data visualization.

A data definition cannot be focus eligible if more than one unique object types on the same level has been selected. More specifically, when creating a focus eligible definition, you can only select one unique leaf (object type) per each branch in the data path tree.

A definition can be focus eligible with multiple selections on a leaf **only** if those selections are for the same object type.

Admin : Edit Data Definition

FOCUS ELIGIBLE

DEFINITION

This is for reference only, and cannot be modified

[-] ROT Root Object Type ✓

[-] Branch

[-] LOT Leaf Object Type 3 ✓

[-] Branch (Reference)

[+] ROT Root Object Type 2 ✓

A focus eligible data definition. This data definition is eligible because only one leaf (object type) has been selected per each branch on the data path.

308

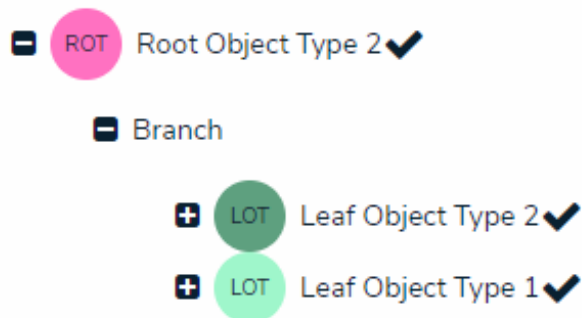
Admin : Edit Data Definition

NOT FOCUS ELIGIBLE



DEFINITION

This is for reference only, and cannot be modified



A data definition that is not focus eligible because more than one leaf has been selected on a single branch in the data path.



A data definition will **not** be focus eligible if more than one unique leaves have been selected per a single branch in the data path tree.

To view only focus eligible definitions, click the [By Leaf](#) tab.

Assessment Definitions

Unlike data definitions for [data visualizations](#) , you can create [assessment](#) definitions from the **Edit Assessment** page (you can still edit their names and review the data paths from the **Data Definitions** page in **Administration**). Assessment definitions can be reused for data visualizations and vice versa.

Create a New Data Definition

If you plan on creating a new [data visualization](#) or [concatenation](#) , you can select one or more existing definitions, otherwise the definitions must be created **prior** to the creating the data visualization or concatenation. If you're creating an [assessment](#), you can select existing definitions or create a new one from the **Edit Assessment** page.



Because the structure of data definition resembles a tree, the anchor object type is also known as the root, the relationships and references on the anchor are the branches, and the object types within those relationships or references are the leaves on the branches.

To create a new data definition:

1. Click the  icon in the top bar > **Data Definitions** in the **Data Model** section.
2. Click **Create Data Definition**.
3. Enter the name of the data definition in the **Name** field.
4. **Optional:** Enter a description of the data definition in the **Description** field, which will appear on the **Edit Data Definition**.
5. Select an anchor (root) object type from the **Anchor** dropdown menu. Your selection here will determine the starting point, or root, of the data path.

Admin : Create Data Definition

Name

Employees on Incident Records

Description

Anchor

Incident

Select Data Paths

Clicking relationship and object type nodes below will define the paths that act as your data definition



CANCEL

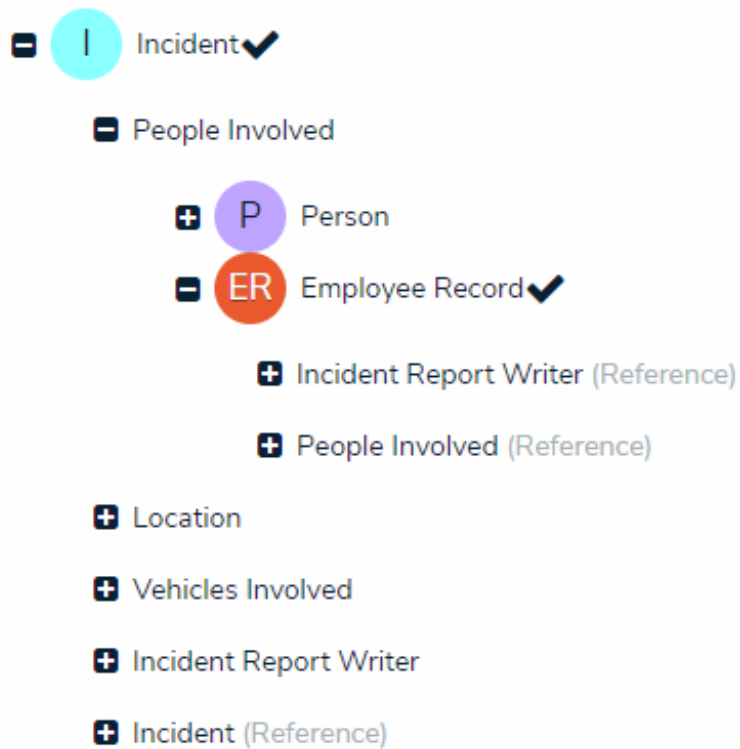
CREATE

A new data definition that has an anchor selected, but does not yet have a defined data path.

6. In the **Select Data Paths** section, click the monogram in the first node of the tree, which represents the anchor, to select it, expand the node, and reveal any relationships and references saved to the anchor. If you only need to select one object type, skip to step 10.
7. Click a [relationship](#) or [reference](#) (branch) to show the object type(s) within those relationships or references (e.g. clicking the “People Involved” relationship will reveal the Person and Employee Record object types).
8. Click an object type (leaf) monogram to place a checkmark next to it and include it in the data definition. To remove a checkmark and remove the leaf from the data path, click the monogram again. The anchor object type is selected by default and the cannot be deselected.
9. Continue clicking the branches to reveal the relationship and reference object types and select them as needed. If necessary, click an expanded branch with no leaves to collapse it.

Select Data Paths

Clicking relationship and object type nodes below will define the paths that act as your data definition



Selecting the object types that will be part of the data path.



If you intend to use this data definition as the focus of a data visualization, you may only select one leaf per level (branch) in the data path. See [Focus Eligible Definitions](#) for more information.

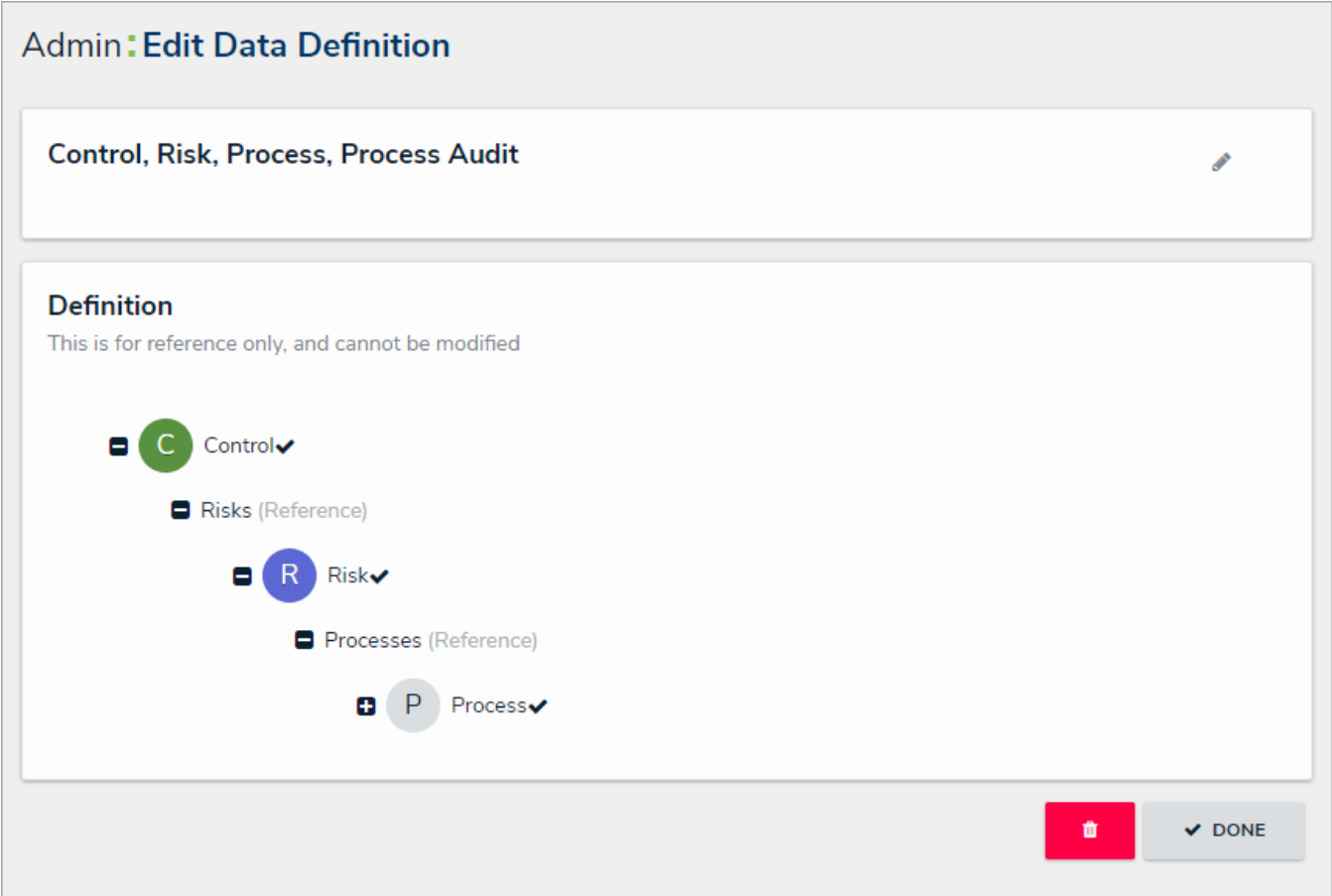
10. Click **Create** to display **Data Definitions** page. By default, this page will be displayed under the [By Anchor](#) tab and your new definition can be found below the anchor object type you selected in step 5 above (e.g. Incident). To view the data definition by leaf, or the last object type in the data path (e.g. Employee Record), click the [By Leaf](#) tab.

Edit or Delete a Data Definition

A data definition can be deleted, provided it's not currently being used elsewhere in Core. If you wish to delete an active data definition, you can do so after removing it from or deleting the component(s) where it's being used (e.g. data visualizations or assessments). You can edit the name and description of an existing data path at any time, however, **the data path cannot be modified**.

To edit or delete a data definition:

1. Click the  icon in the top bar > **Data Definitions** in the **Data Model** section.
2. Click an existing data definition to display the **Edit Data Definition** page.



The Edit Data Definition page.

3. To edit a definition's name and/or description, click the  icon on the **Edit Data Definition** page and make your changes in the **Name** and/or **Description** fields.
4. To delete the data definition, click the  icon, then click **Yes** to confirm. If the data definition is currently being used in another component, an error message will be displayed.

Configurable Forms Overview

Configurable forms are the forms that administrators create and customize for users to enter or view data while they work in Core. Form types include:

- **Standard Form:** Allows administrators to specify what form elements are displayed and the fields users should fill out on object types as they work in [activities](#) , [reports](#) , or [tasks](#) , depending on the current state of the object's [workflow](#) . For more information, see the [Standard Form Overview](#) article.
- **Navigation Form:** Uses a data definition to display objects as a hierarchical tree with expandable nodes, starting with the object from the anchor object type and moving down the data path. Clicking one of these objects will display a standard form or report to the right of the tree, without leaving the navigation form. For more information, see the [Navigation Form Overview](#) article.

Standard Forms Overview

A **standard form** is a configurable form type that allows administrators to specify what form elements are displayed and the fields users should fill out on object types as they work in [activities](#) , [data visualizations](#) , or [tasks](#) , depending on the current state of the object's [workflow](#) . Whereas an object type's default form displays all the components and properties saved to it, with a standard form, you can add or remove the following [elements](#) and components:

- **Properties:** The object type's default fields, including **Name**, **Description**, **Unique ID**, **Monogram**, **Created/Modified By**, **Created/Modified On**, **Workflow Status**, and **Assessment Dimension**. The **Name** property should be added to all your forms as it's used to identify objects in search results, views, relationship fields/tables, etc.
- **Fields:** The fields saved to the object type as a component.
- **Relationships:** The relationships saved to the object type as a component. You can display the relationship as a field or as a table. If displayed as a table, you can select which columns appear on the object based on the fields saved to the object types in the relationship.
- **References:** The references created from the relationships saved to the object type.
- **State Triggers:** The triggers saved in the object type's workflow. When added, these triggers appear as buttons on the form that, once clicked, will move the form from its current state to another state, based on the trigger's transition.
- **Formulas:** The formulas saved on the object type as a component.
- **Roles:** The roles saved to an object type as a component that have explicit permission to view that object type. Adding roles allows you to grant certain users within that role the right to view the object.
- **Actions:** Places a button on the form that allows users to open a specified data visualization or form related to the object type or export the object data into an Excel spreadsheet. If the form is for an assessment, you can also add a button to open an assessment scoping (nav form) to complete the assessment.
- **Other (Free Form Text):** An editable text box that will appear on the form to provide instructions, headings, titles, or additional information.
- **Assessment Context:** Adds the dimension fields onto forms for assessment object types.
- **Comments:** Allows users to leave comments on objects.

Once created, you can create [duplicate forms](#) , select a [priority](#) for forms that may be in conflict, and select which configurable form to display when creating and configuring an [action](#) , [view](#) , [data visualization](#) , or [relationship table](#) . You can also select a configurable form to display by default when users within a role are viewing an object in a particular state by configuring the role's [workflow permissions](#) .



Fields, relationships, references, formulas, and roles must be added to the object type as [components](#) and state triggers must be added to the [workflow](#) before they can be added to a configurable form.



When creating forms for use in a repeatable forms report element, note that only forms with supported elements will be displayed. See the [Add Repeatable Forms to a Report](#) for a list of unsupported elements.

RESOLVER

ViewsFormsData Visualizations

AdminEdit Configurable Form

Control - Library

Object Type: Control

Form Canvas

Object Name

C-123

Document Control

Review the control documentation and how it operates within the organization.

Control Name

FORM ELEMENTS

Properties

Fields

Any Review Comments?

Automated Control

Control Self Assessment

Count

Design Effectiveness

Evaluation Comments

Frequency

Key Control

Most Recent Assessments

Operating as Described?

Operating Effectiveness

Prevent or Detect

Review Comments

The Edit Configurable Form page.

Reviews the Proposal for Payment Report

C-1

Document Control

Review the control documentation and how it operates within the organization.

Control Name

Reviews the Proposal for Payment Report

Description

The accounts payable supervisor reviews the Proposal for Payment Report weekly for unusual items.

Control Owner

Start typing to find Us...

Requirements

Search



Risks

Search



A standard form as it appears to users in a view.



You can check which forms are associated with an object type by going to **Administration > Object Types**, clicking the object type to open the **Edit Object Type** page, then reviewing and/or clicking on the forms in the **Related Forms** section in the **Overview** tab.

Create a New Standard Form

Once a standard form is created, you can configure its [title](#) , set the form's [priority](#) , create [sections](#), and add [elements](#) .



When creating forms for use in a repeatable form, note that only forms with supported elements will be displayed. See the [Add Repeatable Forms to a Report](#) for a list of unsupported elements.

To create a new standard form:



1. Click the icon in the top bar > **Configurable Forms** in the **Views** section.
2. Click **Create Configurable Form**.
3. Enter the name of the form in the **Name** field.
4. **Optional:** Enter a brief description of the form in the **Description** field, which will appear below the form's name while editing the form and on the **Configurable Forms** landing page.
5. Select **Standard Form** from the **Form Type** dropdown menu. See the [Navigation Forms](#) section for information and instructions on creating navigation forms.
6. Select an object type from the **Object Type** dropdown menu.

Admin : Create Form

Name

Business Unit - Create

Description

Form Type

Standard Form

Object Type

Business Unit

CANCEL

✓ CREATE

The Create Form page.

7. Click **Create** to display the **Edit Configurable Form** page. From here, you can edit the standard form's [title](#) , select a [priority](#) , and add [sections](#) and [elements](#) .

Admin: Edit Configurable Form

Business Unit - Create

Object Type: Business Unit

Form Canvas

Object Name

Drag and Drop Elements or Sections

FORM ELEMENTS

Properties

Fields

Relationships

References

State Triggers

The Edit Configurable Form page with a blank canvas.

Configure a Form's Header

By default, when creating a new object, each standard form has a header of **Create a New [Object Type name]**. Once the object is created, the header is replaced with the value entered into the **Name** property on the form and no description (sub-title) is displayed. However, administrators can configure the header settings to:

- Allow end users to edit the default title or description once the object is created. The title or description can be edited by clicking and typing directly into the header or by making changes in the **Name** or **Description** properties, provided the appropriate [Edit permissions](#) are enabled on the user's role and the header is not marked as read-only.
- Display a custom form header or description. Custom headers and descriptions override any concatenations and cannot be edited by end users.
- Show the current workflow state of the object across the top of the form.
- Show the object's **Unique ID** in the header to the far right of the object title.



If applicable, [concatenations](#) on the **Name** and **Description** properties are applied to an object upon creation, but any edits made to these properties after the object is created overwrites the concatenations.

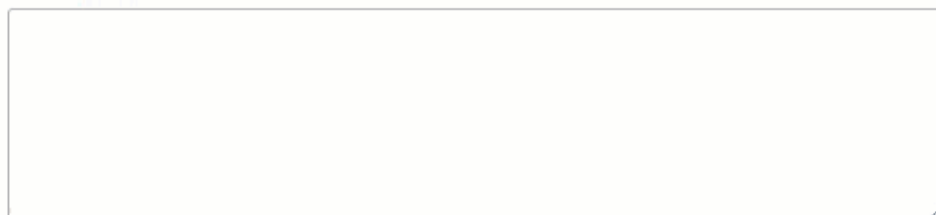
View Examples

Create a New Location

Location Name

Illinois

Description

A large, empty rectangular text area with a thin gray border, intended for a description. A mouse cursor is visible at the bottom right corner of the area.

CREATE

Editing the title and description of an object.

Location

Corporate offices only

Location Name

Illinois

Description

CREATE

Making edits to an object's Name and Description properties will not affect the form's header when it's marked as read-only.

Instructions

To configure a standard form title:

1. If the form is not already open, click the  icon in the top bar > **Configurable Forms** in the **Views** section, then select the appropriate form.
2. Click the  icon in header section of the canvas to display the **Edit Header Section** window.

Form Canvas

Object Name

Object Description

Drag and Drop Elements or Sections

The form's name and description on the form canvas.

3. To configure the form's title, select either **Object Name** (selected by default) or **Custom Name** in the **Form Title** section:

- If you selected **Object Name** (to display the value of the object's **Name** property as the form title):

- a. **Optional:** Click the   icon beside **Read only** to mark the title as read-only. Doing so will prevent

users with **Edit** permissions enabled from modifying the title. Click the



icon to disable read-only.

Edit Header Section

Form Title

☒ Object Name ☐ Custom Name

☐  Read only

The Object Name option in the Form Title section.

- If you selected **Custom Name**:
 - a. Enter the custom name in the **Form title** field. This is the title assigned to all objects created through this form and it cannot be edited by end users.

Edit Header Section

Form Title

☐ Object Name ☒ Custom Name

Form title

The Custom Name option in the Form Title section.

4. To configure the form's description (sub-title), select **Object Description**, **Custom Description**, or **None** (selected by default):

- If you selected **Object Description** (to display the value of the object's **Description** property as the form sub-title):

- a. **Optional:** Click the



icon beside **Read only** to mark the sub-title as read-only. Doing so will

prevent users with **Edit** permissions enabled from modifying the description. Click the



icon to disable read-only.

Form Description

☒ Object Description
 ☐ Custom Description
 ☐ None

☐  Read only

The Object Description option in the Form Description section.

- If you selected **Custom Description**:
 - Enter the custom sub-title in the textbox. This is the sub-title assigned to all objects created through this form and it cannot be edited by end users.

Form Description

☐ Object Description
 ☒ Custom Description
 ☐ None

Description

Corporate office records only.

The Custom Description option in the Form Description section.

- If you selected **None**, no sub-title will appear on the form.

5. To add the current workflow state or the object's Unique ID to the top of the form, click the  icon beside **Workflow State Bar** and/or **Unique ID** in the **Add to Header** section. Click the  icon to disable these options as required.

Add to Header

☒  Workflow State Bar
 ☒  Unique ID

The Workflow State Bar and Unique ID options in the Add to Header section.

- Click **Done**.

Form Sections Overview

Sections are the areas on the **standard form canvas** where you can drag and drop **form elements** (e.g. fields, relationships, formulas, etc.).

Sections are added to forms by clicking **+ Section** on the form canvas. Once a section has been added to a form, you can:

- Configure its width;
- Center it;
- Provide a section title;
- Display the section as tabs or as collapsible and expandable; and
- Create rules to specify if the section will be visible on the form.

See [Add a Section to a Form](#) for more information on configuring a section's title and display (including tabs and collapsible sections). See [Control Section Visibility](#) for more information on creating section rules.

FORM CANVAS

Object Name

Drag and Drop Elements or Sections

Incident Details

Date of submission

Date & Time the Incident Occurred

Incident Type

+ SECTION

+ SECTION

A form canvas displaying a configured section.

Risks

Risk Likelihood

Rare

Risk Impact

Moderate

A collapsible section with a title.

ControlsRisks

Control Effectiveness

Ineffective

Comments

Needs review.

A tabbed section.

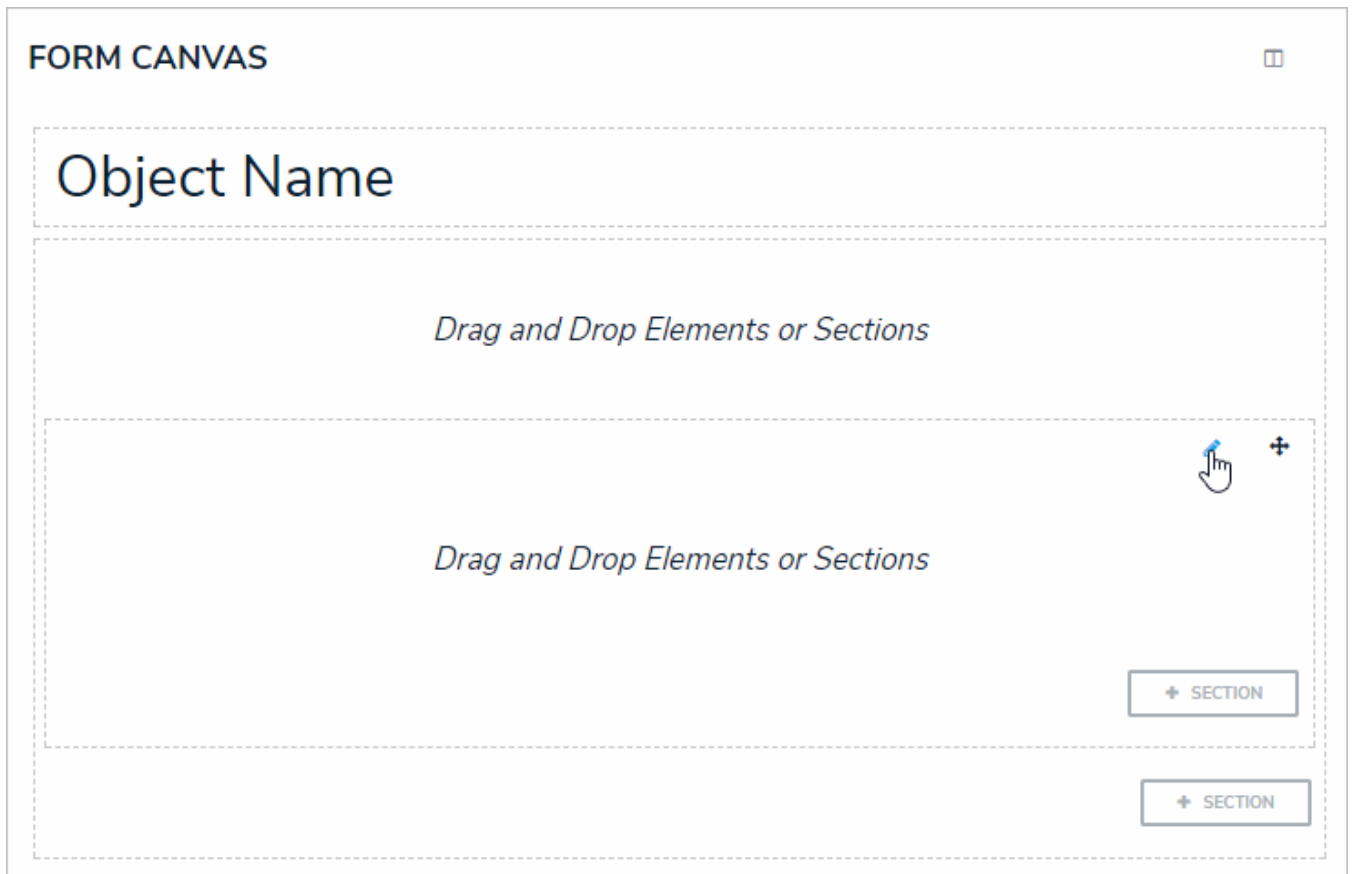


A single section cannot be both tabbed and collapsible.

Add a Section to a Form

To add a new section to a standard form:

1. [Create a new form](#) or open an existing form by clicking  icon in the top bar > **Configurable Forms** in the **Views** section, then selecting a form.
2. Click + **Section** on the form canvas.
3. Click the  icon in the top-right corner of the new section to display the **Edit Form Section** screen.



The screenshot shows the 'FORM CANVAS' interface. At the top, there's a header 'FORM CANVAS' and a close icon. Below it, a dashed box contains the text 'Object Name'. The main area is a large dashed rectangle with the text 'Drag and Drop Elements or Sections' in the center. In the bottom right corner of this area, there's a hand cursor icon pointing at a small plus icon, and a button labeled '+ SECTION'. Below this, there's another button labeled '+ SECTION'.

A new section on the form canvas.

4. Select a width from the **Section Width** section. By default, **100** (full size) is selected.

×

Section Width

☐ 25

☐ 33

☐ 50

☐ 66

☐ 75

☒ 100

☐ ×

Centered

Section Title

☐ ×

Make Section Collapsible

Visibility

☒ Always

☐ Only If

☐ ×

Enable Tabs

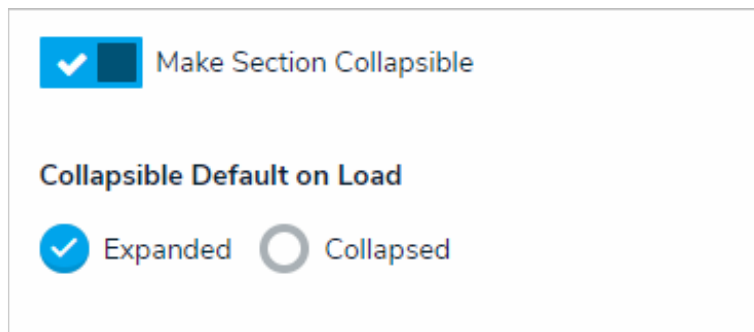
SECTION

✓ DONE

- Click the  **Centered** icon to center the section on the canvas.
- Enter text in the **Section Title** to provide a header to the section.

i

7. To make the section collapsible:



☒ ☐ Make Section Collapsible

Collapsible Default on Load

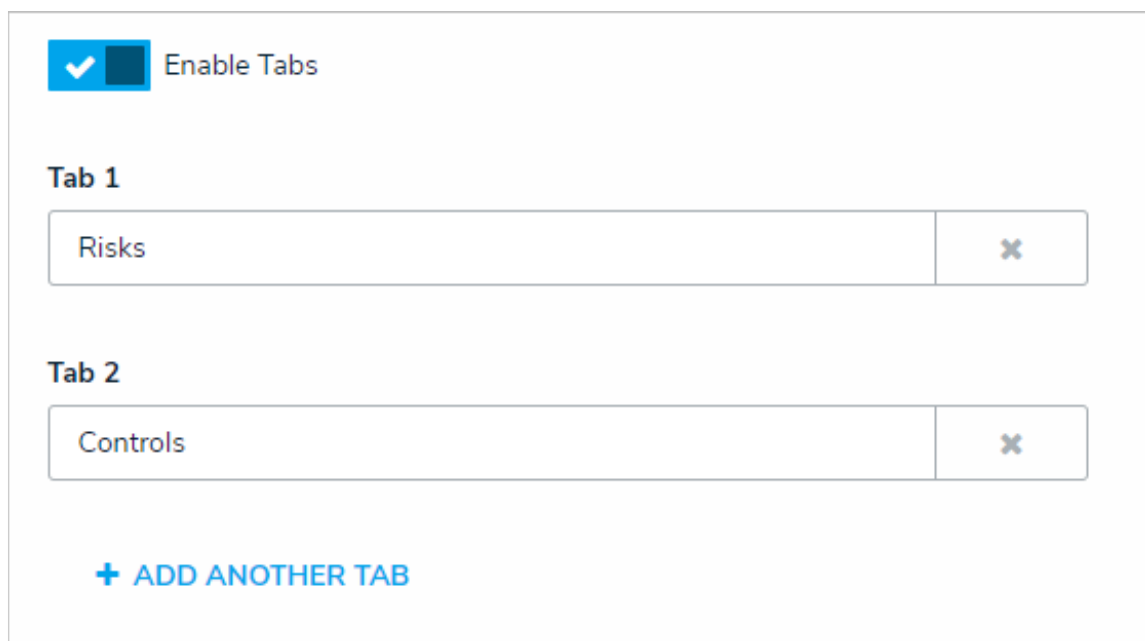
☒ Expanded ☐ Collapsed

The collapsible section settings.

 A single section cannot be both collapsible and tabbed.

8. To create section tabs:

- Click the  **Enable Tabs** icon.
- Click **+Add Another Tab**.
- Enter a name for the tab in the text field.
- Continue steps a-c to continue adding more tabs as needed. To delete a tab, click the  icon.



☒ ☐ Enable Tabs

Tab 1

Risks 

Tab 2

Controls 

+ ADD ANOTHER TAB

The tabs settings.

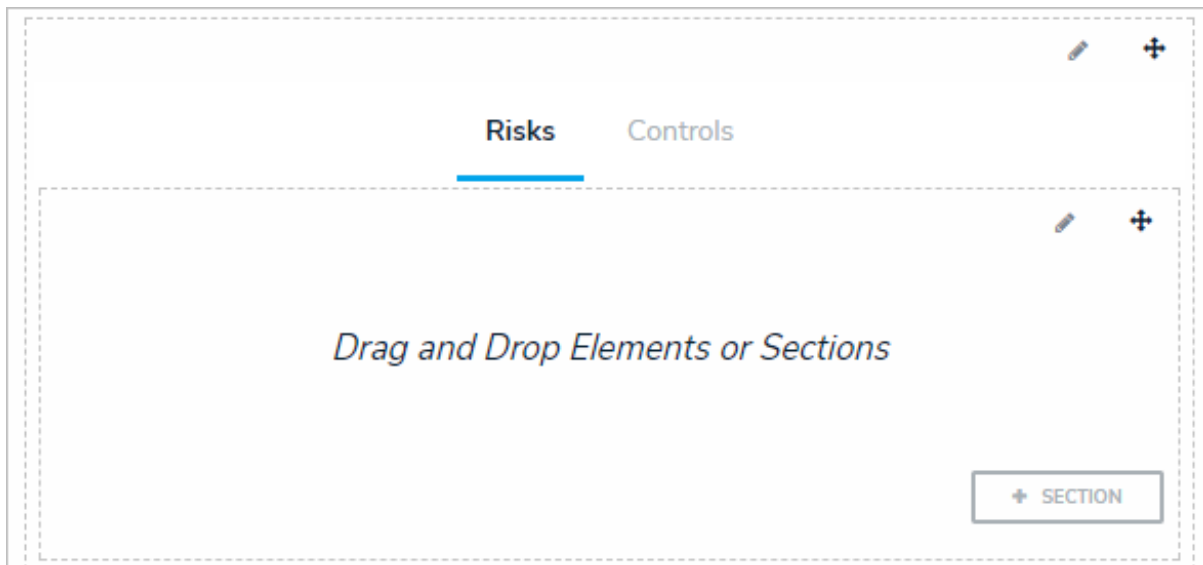
9. Click **Done** to return to the form canvas.

10. If the new section is collapsible, click the  icon to expand it (if necessary) and [add elements](#) . Click the  icon
- to collapse the section, as needed.



A collapsed section on the form canvas.

11. If the new section has tabs, click a tab and [add elements](#) . These elements will appear on the form only when that specific tab is selected.



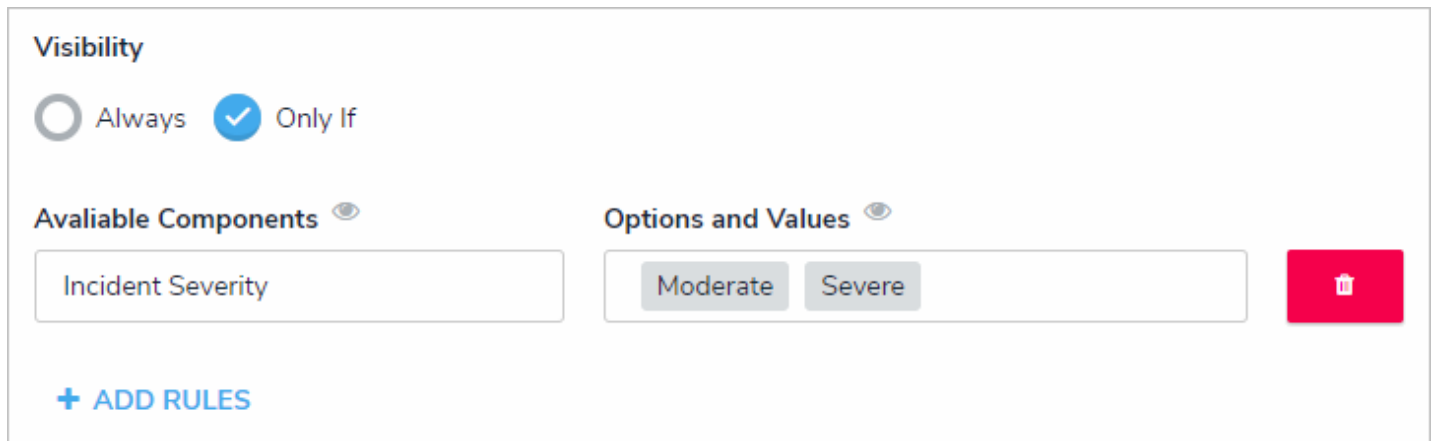
A section with tabs on the form canvas.

12. Repeat steps 2-11 to continue adding sections as needed.
13. To reposition a section on the form canvas, click the  icon in the top-right corner of the section, then drag and drop it to a different area on the canvas.

Control Section Visibility (Dynamic Forms)

The **Visibility** settings in the **Edit Form Section** give administrators the option of always displaying a section and its elements on a standard form or only displaying the section once specific **formula** values (ranges) or **select list** options are selected in another section on the form. For example, when creating a new incident object, the Witness Details section is hidden from the form unless the end user chooses Yes from the Witnesses? dropdown menu.

To specify which formula values or select list options must be selected to display a certain section, at least one **rule** must be created, where you can choose a select list and/or formula, then select the required options or values. If multiple values or options are selected for a single formula or select list, any one of those values or options can be selected by a user to reveal the section (e.g. selecting Moderate OR Severe on the Incident Severity select list will successfully display the form).



The Visibility settings. In this case, the end user must select Moderate OR Severe from the Incident Severity select list before the section is displayed.

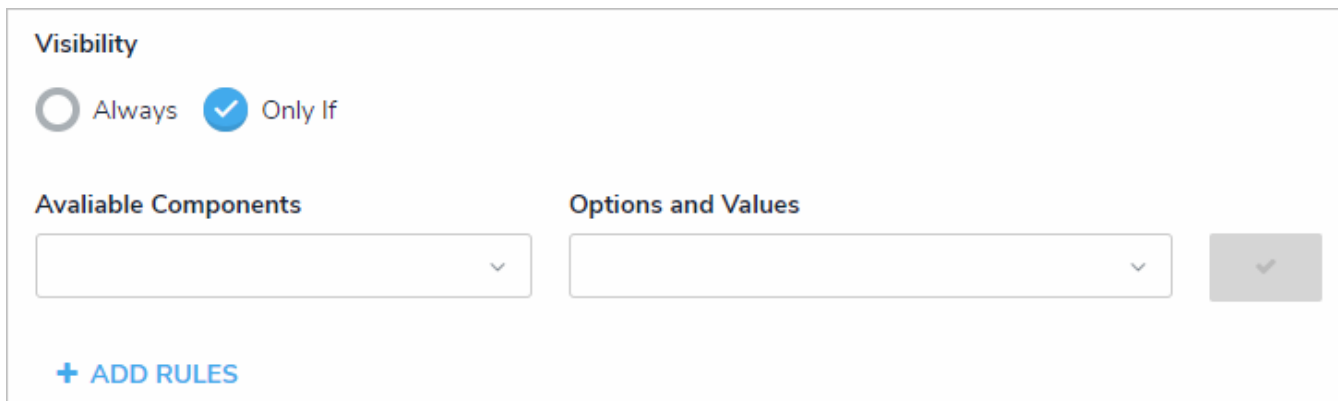
When creating sections with controlled visibility, note that:

- It's possible to configure cascading visibility by configuring additional sections to be displayed only when specific values or options are selected within another previously hidden section. For example, if a user chooses Yes from the Employee? select list in previously hidden Witness Details section, the Employee Details section will be displayed.
- Multiple rules can be added to a single section, however, doing so will create AND criteria. This means that at least one value or option must be selected from every rule to display the section.
- Adding formulas without ranges to a rule or adding formulas to rules on forms used to create new objects will prevent the section from being successfully displayed even when the criteria has been met.
- Administrators should review the width and layout of all sections on the form to ensure the hidden section displays correctly when visible.
- Selecting multiple options or values creates OR criteria. For example, if a user chooses Theft, Assault, OR Vandalism from the Incident Type select list, the Illegal Acts section will display.

To control a section's visibility:

1. [Create a new form](#) or open an existing form by clicking  icon in the top bar > **Configurable Forms** in the **Views** section, then selecting a form.
2. Click + **Section** on the form canvas.
3. Click the  icon in the top-right corner to display the **Edit Form Section** screen.
4. Select the **Only If** in the **Visibility** section. By default, **Always** is selected. If you want this section to be visible at all times, leave **Always** selected.

5. Click + **Add Rules**



The screenshot shows the 'Visibility' configuration interface. At the top, under the 'Visibility' heading, there are two radio buttons: 'Always' (unselected) and 'Only If' (selected). Below this, there are two dropdown menus labeled 'Available Components' and 'Options and Values'. The 'Available Components' dropdown is empty, while the 'Options and Values' dropdown contains a single greyed-out option with a checkmark icon. At the bottom left of the panel is a blue '+ ADD RULES' button.

The Visibility section of the Edit Form Section screen.

6. Choose a select list or formula with ranges from the **Available Components** dropdown menu.

 Only formulas with ranges should be selected.

7. Choose one or more select list options or formula ranges from the **Options and Values** dropdown menu. Selecting multiple options or values creates OR criteria. For example, if a user chooses Theft, Assault, OR Vandalism from the Incident Type select list, the Illegal Acts section will display.

8. Click the  icon beside the rule to save it.

9. **Optional:** Click +**Add Rules** to create an additional rule, then repeat steps 6-8 above.

 Creating additional rules will create AND criteria. This means that at least one range or option must be selected from every rule in order to display the section.

10. Click **Done** to save the visibility settings.

11. To modify a rule, it must first be deleted by clicking the  icon, then recreating it.

Edit or Delete a Form Section

To edit or delete a form section:

- 1. If needed, click **Administration > Configurable Forms** to open an existing form.
- 2. To reposition a section on the form canvas, click the  icon in the top-right corner of the section, then drag and drop it to a different area on the canvas.
- 3. Click the  icon at the top-right corner of the section to display the **Edit Form Section** screen.

Edit Form Section

Section Width

☐ 25

☐ 33

☐ 50

☐ 66

☐ 75

☒ 100

☒ 

Centered

Section Title

☒ 

Make Section Collapsible

Visibility

☒ Always

☐ Only If

☒ 

Enable Tabs

 SECTION

 DONE

The Edit Form Section screen.

- 4. Make changes to the settings as needed. See the [Add a New Section to a Form](#) for information on enabling tabbed or collapsible sections and [Control Section Visibility](#) for information on creating rules.
- 5. If the section is empty (it does not contain any elements), click the  **SECTION** icon, then **Yes** to confirm. If the section contains elements:
 - a. Click **Done** to return to the form canvas.
 - b. Hover your cursor over each element in the section, then click the  icon to remove the element from the section.

Risks

Risk Likelihood

MARK READ-ONLY

Risk Impact

+ SECTION

Removing an element from a section.

- c. Click **Yes** to confirm.
- d. Continue removing elements from the section as needed.
- e. Click the  icon at the top-right corner of the section to return to the **Edit Form Section** screen.
- f. Click the  **SECTION** icon, then **Yes** to confirm.

Form Conflict Overview

If a user belongs to two or more [roles](#) that have permission to view the same object, but each role should be accessing that object through a different [standard form](#) including forms displayed in a palette, a **form conflict** exists. By default, Core will display the most recently created form to the user; however, you can identify forms that are potentially in conflict by impersonating the user, navigating to one of the forms, then assigning priorities to the forms to control which one should be displayed first.

EXAMPLE

Caroline is a user added to the Risk Owner and Control Owner roles, both of which have permission to access the Control object type. You create two forms for the Control object type: the Control Owner form for the Control Owner role, which is completely editable, and the Risk Owner form for the Risk Owner role, which is read-only except for a few fields. As the control owner for Control 1, Caroline needs to access this object and make changes; however, because the Risk Owner form was created after the Control Owner form, the Risk Owner form is displayed, preventing her from making the required changes. To remedy this, you edit both forms to assign the Control Owner form a 2 priority and Risk Owner a 1 priority. With these forms prioritized, the next time Caroline needs to edit a control object she owns, she'll be able to make all the changes as needed.

For information on checking for form conflicts and assigning form priorities, see the [Identify a Conflict & Set a Form's Priority](#) article.

Identify a Conflict & Set a Form's Priority

If a user belongs to two or more roles that have permission to view the same object, but each role should be accessing that object through a different standard form, including forms displayed in a palette, a [form conflict](#) exists. To resolve this, administrators can use the [impersonation](#) feature to identify any conflicts, then assign number priorities to the forms to ensure the correct form is displayed.



By default, all forms are assigned a 0 priority. If no form conflict exists, the forms will be displayed based on the administrative configurations.

To identify a conflict and set a form's priority:

1. Assign the user you'll impersonate to an object by:
 - Adding the user via the [role element](#) on a form, then creating a [view](#) using the object type's default form; or
 - Assigning the user via the [Assign permission](#) on the role, ensuring the **Default** option is selected for the appropriate state in the **Select a default form for this state for this role** dropdown menu in the role's workflow permissions. This method should be selected if you'll be using the [search](#) function to locate the object once **Impersonation Mode** is activated.

The screenshot shows a user interface for assigning permissions. At the top left, there's a blue circle icon and the text 'Not Started'. To the right are four blue buttons: 'READ', 'EDIT', 'DELETE', and 'MANAGE'. Below these is a 'Triggers' section with a lightning bolt icon and a 'START' button. To the right of 'Triggers' is a yellow 'ASSIGN' button. Below the 'ASSIGN' button is a dropdown menu titled 'Select a default form for this state for this role' with 'Default' selected.

The Assign option for a role's workflow permissions with the Default option selected.



2. Click the  icon in the top bar > **Users** in the **People** section.
3. Click **Impersonate** beside the name of the user to turn on **Impersonation Mode**. See the [Impersonate Another User](#) article for more information on using this feature.
4. Navigate to the object according to the assignment method in step 1. If a conflict exists, a blue banner will be displayed.

TURN OFF IMPERSONATION MODE Impersonation mode: On Impersonating: Caroline Sorensen

RESOLVER (+) (Q) (ooo) (?) (u)

Risk Management Identify Risks Assess & Treat Monitor & Review ...

Uh oh, this form is in conflict. Adjust the priority in the configurable form builder ...

Create Risk

Create a New Risk

Risk Name

Description

Processes Risk Sub Category

Search + Search +

Viewing a form that's in conflict while in Impersonation Mode.

If a form and a palette are both in conflict, two blue banners will appear at the top of your screen.

- Click the ellipsis in the blue banner to display the forms in conflict.

Risk Management Identify Risks Assess & Treat Monitor & Review Issues & Actions ...

Uh oh, this form is in conflict. Adjust the priority in the configurable form builder ...

Create Risk

Create a New Risk

Risk Name

Conflicting Forms:

Risk - Create Risk Detailed (this form)	Priority: none
Risk - Create	Priority: none

Clicking the ellipsis in the blue banner will display all the forms that are currently in conflict for the impersonated user.

- Click a form to display the **Edit Configurable Form** page, which will disable **Impersonation Mode**.
- Click the  icon at the top of the page to display the **Name**, **Description**, and **Priority** fields.
- Enter a number in the **Priority** field, noting that:
 - This field accepts up to nine numeric characters, with a range of -999999999 to 999999999.
 - The higher the number entered, the higher the form's priority, with negative numbers being lower (e.g. -1 is a lower

priority than 0). For example, if you assign one conflicting form a 1 priority and the other conflicting form a 2 priority, the form with a 2 priority would be displayed before the form with a 1 priority.

- By default, all forms are assigned a 0 (none) priority.

The screenshot shows the 'Admin: Edit Configurable Form' interface. The title is 'Risk - Create'. There are two icons in the top right: a document icon and a pencil icon. The form has three main sections: 'Name' with a text input field containing 'Risk - Create'; 'Description' with a large text area; and 'Priority' with a text input field containing '1'. Below the 'Priority' field, there is a note: 'Where does this form rank in relation to other forms for this object type if multiple forms conflict (1 being lowest)?'.

Assigning a priority to form to remove any form conflicts.

9. **Optional:** Repeat the steps above to assign other conflicting forms a priority. Note that if the form you wish to display to the user has been assigned a higher priority than all other conflicting forms, it's not necessary to assign lower priorities to those forms.

Entering **Impersonation Mode** for the user after assigning a priority will still display the blue banner to indicate that a potential form conflict exists. However, clicking the ellipsis will display the priorities assigned to the conflicting forms and allow you to edit them as needed.

The screenshot shows a blue banner at the top with the text: 'Uh oh, this form is in conflict. Adjust the priority in the configurable form builder ...'. Below the banner, a modal window titled 'Conflicting Forms:' is displayed. It lists two forms: 'Risk - Create Risk Detailed (this form)' with 'Priority: 1' and 'Risk - Create' with 'Priority: none'.

Clicking the ellipsis in the blue banner will display the forms' priorities, if any.

Add Elements to a Standard Form

Elements (e.g. fields, relationships, formulas, etc.) can be added to a standard form by dragging and dropping them from the **Form Elements** palette and onto a section. You can open and close the palette by clicking the  icon in the top-right section of the form canvas. Elements that have already been added to the canvas will appear in the palette with green to the left of their names.

If needed, you can mark added elements as read-only to users viewing the form by hovering your cursor over the element in the canvas, then clicking **Mark Read-Only**. To make an element editable again, hover your cursor over the element and click **Remove Read-Only**.



Fields, relationships, references, formulas, and/or roles can only be added to a form after they've been added to the object type as components. See the [Object Types](#) section for more information.



When creating forms for use in a repeatable form, note that only forms with supported elements will be displayed. See the [Add Repeatable Forms to a Report](#) article for a list of unsupported elements.

View an Example

Admin: Edit Configurable Form

New Risk

Object Type: Risk

Form Canvas

Object Name

-- Hover over me and click the pencil to edit --

+ SECTION

✓ DONE

Adding, removing, and editing form elements on the canvas.

Properties on Forms

The **Properties** section of the **Form Elements** allows you to add and display an object's default information, including:

- **Name:** The title of the object, which helps identify the object in [views](#) or [search](#) results. The header of this property appears on forms as [Object Type] Name (e.g. Incident Name). See the [Configure a Form's Header](#) article for more information.



The **Name** property should be included on all your standard forms as it's used to identify objects in search results, views, data visualizations, relationships, etc. If this property is not added to your forms, users will not be able to search for and select existing objects in relationship fields or tables.

- **Description:** A description of the object.
- **Unique ID:** The unique identifier automatically assigned to the object type at the time of creation.
- **Monogram:** The letter(s) and color assigned to the object type.
- **Created By:** The user who created the object.
- **Created On:** The date the object was created.
- **Modified By:** The name of the user who last modified the object.
- **Modified On:** The date the object was last modified.
- **Workflow Status:** The current state of the object.
- **Assessment Dimension:** Adds read-only [dimension](#) data onto the form of objects that were referenced on an assessment. If an object has not been referenced on an assessment, the property will be invisible.

Fields on Forms

Any fields saved to the object type as components can be displayed on standard forms. See the [Add Fields to an Object Type](#) section for more information on adding fields as components on object types.

Clicking the  icon in the top-right corner of the field will open the **Edit Component Display** window, where you can display the field's short name or long name.

If the field is a select list with five options or fewer, you can enable the **Toggle Button Group** option to display the field as a group of options on the form. If the object type is used in assessments, you can also choose to display an assessment table. See the [Select List Fields](#) and [Enable an Assessment Table](#) articles for more information.

Edit Component Display

Header display

☒ Display 'Name'

☐ Display 'Long Name'

Format

☐ Dropdown

☒ Toggle Button Group

Assessment table

☒

Enable Assessment Table

CLOSE

The Edit Component Display window.



If [required fields](#) have been added to a [state](#), you must ensure these fields have been added to any applicable standard forms, otherwise users will not be able to view and complete the required fields to transition the object to the next state.

Enable an Assessment Table

An **assessment table** displays previous assessment data in a table on a standard form. The data in the table is pulled from the five most recently modified instances of the object currently displayed on the form, helping users better understand how data has changed over time and across different assessments.

This table is enabled in the settings for a plain text, numeric, select list, formula, or date and time [field element](#) on a standard form. To define what data is displayed in the form, administrators select data from the object type and assessments (properties, fields, dimensions, raw data [the numeric data of a select list] and trending data).

Users can click on data in this table to display the instance form in a palette, using either its default form or a form selected in the [workflow permissions](#) for the object type. Up to five instances will appear on the table. If a user doesn't have permission to view the instances, they will not appear in the table.

For example, with the assessment table enabled on a Risk object type form, opening that form for Risk 3 (R-3) will display the name and business units from the assessments where the instances were created. Clicking data in a cell will open the related instance in a palette (e.g. R-3.1, R-18, etc.), allowing you to review how that risk is being assessed across the organization.

Inherent Likelihood

Possible

Assessment Name	Business Unit
Risk 41	No Value
Risk 82	Hyderabad
Risk 43	Hyderabad
Risk Assessment 36	No Value
Risk Assessment 36	No Value

Consequences

Ligula quam habitasse molestie mus id ante lacus dapibus class, aptent sagittis hendrerit egestas facilisis dictumst, volutpat tellus lacinia ultricies ridiculus feugiat viverra est.

Inherent Impact

Low

Velocity

High

RISK REVIEW

Risk Assessment

R-3.18

Risk Name

Lack of social events

Description

Lobortis ornare enim ultricies sodales sociis fusce donec ac netus litora, eleifend maecenas urna praesent varius mus fermentum eget risus, a faucibus curae hac aenean arcu eros purus erat.

Risk Owner

Objectives

Processes

Inherent Risk Score

Medium

025

Residual Risk Score

High

025

Step 1 - Inherent Risk Assessment

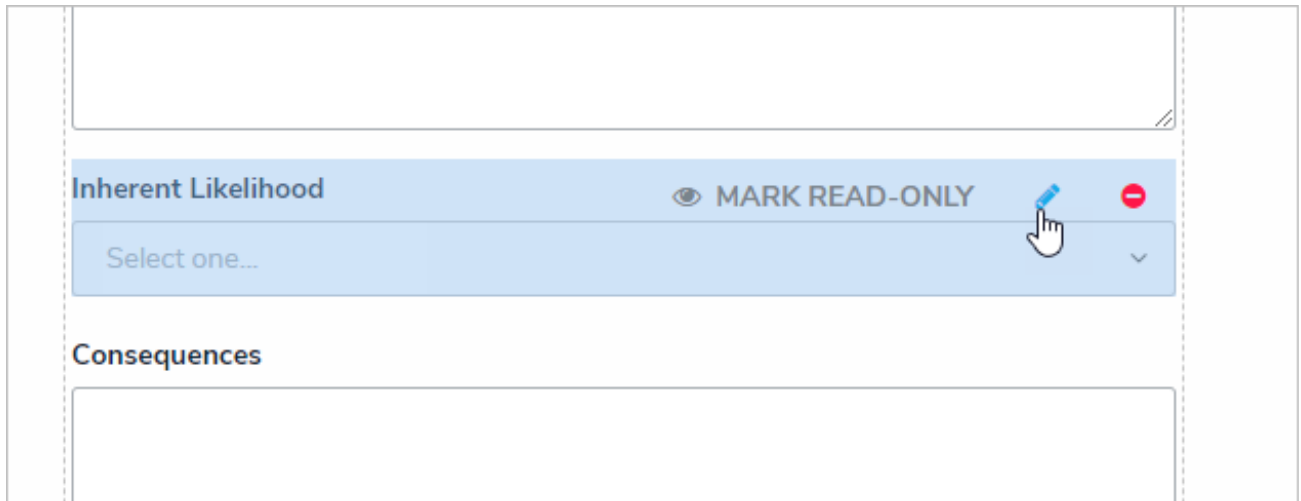
Identify the Contributing Factors and assess the Likelihood of this Risk occurring. Then Identify the Consequences and assess the Impact of the risk should it occur. Step 1 is an Inherent Risk Assessment which presumes there are no controls

An example of the assessment table displaying an instance in a palette.

To enable the assessment table on a standard form:

1. If the form is not already open, click the  icon in the top bar > **Configurable Forms** in the **Views** section, then select a form.
2. If the field has not already been added:
 - a. Click the  icon in the **Fields** section of the **Form Elements** palette to expand it
 - b. Drag and drop a plain text, numeric, select list, formula, or data and time field to the canvas. See [Fields on Forms](#) and [Add Fields to an Object Type](#) for more information on adding fields to forms.

3. Hover your cursor over the field, then click the  icon to display the **Edit Component Display** screen.



Hovering the cursor over a field on the form canvas to display the field options.

4. Click the  icon beside **Enable Assessment Table**.
5. Select one of the following options from the dropdown menu to determine what will be displayed in the data:
- **Raw Value:** The numeric value (with no label) of a select list field on which the table has been enabled (e.g. displaying the data from the "Control self-assessment" field, from which the table was enabled).
 - **Trending:** Displays up or down arrows on the form to indicate whether the field added to the table is in an upwards (higher numeric value) or downwards (lower numeric value) trend. To display trending data in this option, the other field selected in the table must contain numeric data (e.g. select lists, formulas, or numeric fields).
 - **Assessment Name:** The name of the assessment from which the instance(s) were created.
 - **Properties:** The properties of the assessment (e.g. Name, Unique ID, Description, etc.).
 - **Fields:** Any fields added to the object type or assessment.
 - **Dimensions:** The [dimensions](#) of the assessment where the instance(s) were created.
6. Click **Add Selected** to add the option to the table.
7. Continue adding options as needed.

Assessment table

☒ Enable Assessment Table

Select one...

▼

+ ADD SELECTED (0)

Assessment Name	×
Business Unit	×

CLOSE

Options added to the assessment table.

- Click **Close** to return to the form canvas.

Relationships on Forms

Once a relationships can be displayed on standard forms as dropdown menus or tables, where end users can search for and/or create new objects through that relationship. Before the relationship element can be added to a form, it must be added to the object type as a component. See [Add Relationships to an Object Type](#) for more information.

By default, relationships are added to the form canvas as a dropdown menu, displaying its name (versus the long name), but you can configure the element to choose how the relationship is displayed (as a dropdown menu or s table), which functionality is available, and which form is displayed when creating a new object. When a relationship is displayed as a table, the objects are displayed in descending order based on their **Unique IDs**.

Risks

Q

Search Table...

Monogram	Unique ID	Name	
R	R-58	Safety	×
R	R-31	Business Continuity	×
R	R-30	Tone at the Top	×
R	R-29	Unethical behaviour	×
R	R-28	Bribery & Corruption	×
R	R-27	Fraud	×
R	R-18	Local, regional, national political environment	×
R	R-17	Corporate Governance	×
R	R-16	Transparency & Financial Integrity	×
R	R-15	Risk Oversight	×
Q ADD EXISTING RISKS		+ CREATE NEW	

Page 1 of 1 | 10 Rows

Relationships on a form displayed as a table.

Administrators can also select the **Enable Advanced** option when configuring relationships on a form. This option will open a palette with advanced search options for users to select existing objects and assessment objects, if any, to add to the relationship.

ADD EXISTING CONTROLS

Q

Start typing to find an existing Control

Showing 2 most recently created Control

If you don't see what you were searching for, try searching from all Controls above.

C-2

Formal customer feedback process

DRAFT

ADDED

ASSESSMENTS ^

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q4

TORONTO

+ ADD

LOAD MORE

C-1

Customer evaluation assessments

DRAFT

ADDED

ASSESSMENTS v

Enabling the advanced option displays a palette for users adding existing objects to a relationship.

The standard search function and page numbers are disabled on relationship tables that display 4 objects or fewer.

To configure a relationship on a standard form:

1. If needed, open the form you wish to add the relationship element to by clicking the  icon in the top bar > **Configurable Forms** in the **Views** section, then selecting a form.
2. After **adding** the relationship element to your form, hover your cursor over the relationship on the canvas, then click the  icon to open the **Edit Component Display** screen.

350

Edit Component Display

Header display

☒ Display 'Name'
 ☐ Display 'Long Name'

Format

☒ Enable Search
 ☒ Enable Create
 ☒ Enable Advanced
 This improves the search interface, as well as displaying Assessment History

View Relationship as:

☒ Dropdown
 ☐ Table

Object Type Forms

The relationship element settings.

- Click **Display 'Long Name'** if you want to display the relationship's long name on the form. To add or edit a long name, open the **Edit Object Type** page where the relationship has been added as a component, click the **Relationships** tab, then click the relationship to open the **Edit Relationship** palette.

- Click the  icon beside **Enable Search** if you want to disable the end user's ability to search for existing objects in the relationship.

- Click the  icon beside **Enable Create** if you want to disable the end user's ability to create new objects through the relationship.



Disabling both **Search** and **Create** functionality on a relationship will make the element read-only.

- Click the  icon beside **Enable Advanced** to display the advanced user interface for the relationship on a form. When this option is enabled, clicking **Add Existing [Object]** will open a palette that allows users to search for and select

one or more objects or assessment objects (if any) to add to the relationship.

Controls

Unique ID	Name	Design Effectiveness	Operating Effectiveness	Workflow State	
C-6	Control 1	Not Effective	Effective	Draft	✕

Start typing to find an ...

+

Issues

Name	Workflow State	
Issue 3	Draft	✕
Issue 1	Open	✕

ADD EXISTING ISSUES

+ CREATE NEW

The highlighted reference table demonstrating how the advanced display appears on a form, whereas the reference above it is displaying the default interface.

- To display the relationship as a dropdown menu, leave **Dropdown** selected under **View Relationship as:** (selected by default).
- To display the relationship as a table:
 - Select **Table** under **View Relationship as:** then click to select the properties and fields from the object type(s) in the relationship that you want to include on the table as columns. The columns will appear on the table in the order they were selected in the **Build the Relationship Table** settings.

Select the Properties and Fields to include as columns.

Name	
Description	
Unique ID	
Monogram	
Created By	
✓ Created On	
Modified By	
Modified On	
✓ Workflow State	
✓ External Reference Id	
External Data Source	FIELD COMPANY
Stack	FIELD COMPANY
Profile Photo	FIELD COMPANY
✓ Business Unit	RELATIONSHIP COMPANY

☐ Display colored cells as ovals

Selecting the properties and fields that will appear on the relationship table as columns.



Relationship tables with more than 10,000 rows of data will not load correctly. For larger data sets, it's recommended that a [Form Action](#) element is added to a form to redirect users to view the data in a report.

- b. **Optional:** Select the **Display colored cells as ovals** checkbox to show formula or select list cells as text with colored circles. When this option is not selected, cells are displayed with text and a full background color, if any.
9. For both the dropdown and table options, below **Object Type Forms**, select the form(s) the users will complete if they're creating new objects through the relationship.

Object Type Forms

Select creation form to use for each Object Type.

Employee Record

Employee Record

Person

People

Selecting the configurable form that will be displayed when an end user creates a new object through a relationship.



If no configurable form(s) have been created for the object type(s) in the relationship, the default form(s) will be selected automatically.

10. Click **Close** when finished.

References on Forms

The **References** standard form element indicates that the current object has been referenced on other objects through a [relationship](#). Administrators can configure this element to display those other objects as dropdown menus or tables, through which end users can search for and/or create new objects. Before the reference element can be added to a form, the form's object type must be added to a relationship on another object type. See [Add References to an Object Type](#) for more information.

The data available in the References element belongs to the object type(s) where the relationship was originally saved. For example, if the Vehicle object type is saved in a relationship on the Incident object type, the data displayed on the form will be from Incident.

By default, references are added to the form canvas as a dropdown menu, displaying its name (versus the original relationship's long name), but you can configure the element to choose how the reference is displayed, which functionality is available, and which form is displayed when creating a new object.

Assets

Name	Unique ID	Created On	Workflow State	
Asset 3	A-6	2018-02-05	Default	✕
Asset 1	A-1	2017-11-20	Default	✕

Start typing to find an ...

▼

+

Processes

Retain High-Quality Employees

✕

▼

+

References on a form displayed as both a table and dropdown menu.

Administrators can also select the **Enable Advanced** option when configuring references on a form. This option will open a palette with advanced search options for users to select existing objects and assessment objects, if any, to add to the reference.

ADD EXISTING CONTROLS

Q

Start typing to find an existing Control

Showing 2 most recently created Control

If you don't see what you were searching for, try searching from all Controls above.

C-2

Formal customer feedback process

DRAFT

ADDED

ASSESSMENTS ^

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q2

TORONTO

+ ADD

...

R&C Self Assessment

2018 - Q4

TORONTO

+ ADD

LOAD MORE

C-1

Customer evaluation assessments

DRAFT

ADDED

ASSESSMENTS v

Enabling the advanced option displays a palette for users adding existing objects to a relationship.

To configure a reference on a standard form:

1. If needed, open the form you wish to add the reference element to by clicking the  icon in the top bar > **Configurable Forms** in the **Views** section, then selecting a form.
2. After [adding](#) the reference element to your form, hover your cursor over the reference on the canvas, then click the  icon to open the **Edit Component Display** screen.

356

one or more objects or assessment objects (if any) to add to the reference.

Controls

Unique ID	Name	Design Effectiveness	Operating Effectiveness	Workflow State	
C-6	Control 1	Not Effective	Effective	Draft	✕

Start typing to find an ...

▼

+

Issues

Name	Workflow State	
Issue 3	Draft	✕
Issue 1	Open	✕

🔍 ADD EXISTING ISSUES

+ CREATE NEW

The highlighted reference table demonstrating how the advanced display appears on a form, whereas the reference above it is displaying the default interface.

7. To display the reference as a dropdown menu, leave **Dropdown** selected under **View Relationship as:** (this option is selected by default).
8. To display the reference as a table:
 - a. Select **Table** under **View Relationship as:** then click to select the properties and fields from the reference object type that you want to include on the table as columns (e.g. if the Vehicle object type is referenced in a relationship on the Incident object type, you can display properties and fields from Incident in the table). The columns will appear on the table in the order they were selected in the **Build Relationship Table** settings.

Select the Properties and Fields to include as columns.

Name	
Description	
Unique ID	
Monogram	
Created By	
✓ Created On	
Modified By	
Modified On	
✓ Workflow State	
✓ External Reference Id	
External Data Source	FIELD COMPANY
Stack	FIELD COMPANY
Profile Photo	FIELD COMPANY
✓ Business Unit	RELATIONSHIP COMPANY

☐ Display colored cells as ovals

Selecting the properties and fields that will appear on the table as columns.



Reference tables with more than 10,000 rows of data will not load correctly. For larger data sets, it's recommended that a [Form Action](#) element is added to a form to redirect users to view the data in a report.

- b. **Optional:** Select the **Display colored cells as ovals** checkbox to show formula or select list cells as text with colored circles instead of a full background color. When this option is not selected, cells are displayed with text and a full background color, if any.
9. For both the dropdown and table options, below **Object Type Forms**, select the form the users will complete if they're creating a new object through the reference.

Object Type Forms

Select creation form to use for each Object Type.

Incident

Selecting the configurable form that will be displayed when an end user creates a new object through the reference.



If no configurable form(s) have been created for the object type(s) in the relationship, the default form(s) will be selected automatically.

10. Click **Close** when finished.

State Triggers on Forms

Adding [triggers](#) to a standard form will place a button on the form that a user can click to move the object from one state to another. Triggers are configured in an object type's workflow. See the [Workflows](#) section for more information on configuring an object type's state, triggers, and transitions.

Create Incident

First Name

Last Name

Contact Information

SAVE AS DRAFT

SUBMIT FOR REVIEW

CANCEL

Two triggers on a standard form.



Because triggers must be associated with a state, you can add multiple triggers to a standard form, but a trigger will appear only when the object is in the state associated with the trigger. For example, users won't see the Request Additional Info trigger on the form while an object is in the Draft state because the trigger is related to the In Review state.



At a minimum, you must add a trigger associated with Creation state to a standard form so users can save the object by transitioning it out of the entry state.

Formulas on Forms

Formulas are components that compile numeric data from variables to generate conclusions, such as Incident Severity, Estimated Damage, or Likelihood the Incident Will Recur. These conclusions can be on forms as a bar with a number, label (e.g. Low, Medium, High), or both, a gauge, or a formula card.

Vehicles Involved

Blue Car

×

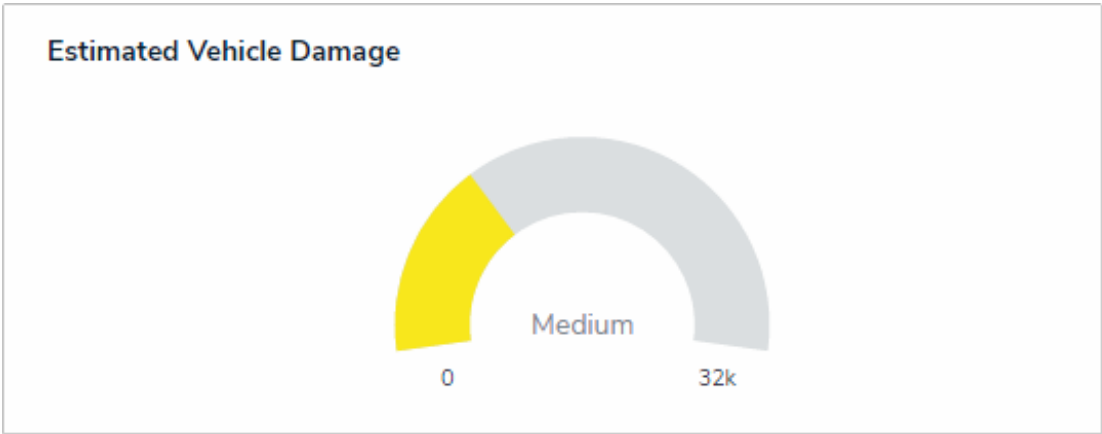
▼

+

Estimated Vehicle Damage

Medium

A formula bar.



A formula gauge.

Inherent Risk Score

9

/25

High

Control Effectiveness

4

/5

Strong

Residual Risk Score

16

/25

Significant

Formula cards.

To configure the display of the formula, [add](#) it to the canvas, then click the  icon in the top-right corner of the element to open the **Edit Component Display** window. From this window, select **Formula bar**, **Formula gauge**, or **Formula card**.

If you selected **Formula card**, you may also enable the **Display formula upper bound** option, which displays the highest maximum value assigned to all the ranges. For example, if the formula calculation was 8 and the highest possible value in the formula was

25, the card would display 8/25.

Edit Component Display

Display

☐ Formula bar

☐ Formula gauge

☒ Formula card

☒ Display formula upper bound

Assessment table

☒ Enable Assessment Table

The Edit Component Display window for a formula element on the canvas.

Before a formula can be added to a form, it must be added to an object type as a component. See the [Add Formulas to an Object Type](#) section for more information. For more information on adding elements to configurable forms, see the [Add Elements to a Standard Form](#) article. For more general information on formulas and how they work, see the [Formulas](#) chapter.

Roles on Forms

Roles control the data a user can create, edit, delete, view, or manage on object types and are added to object types as components. See the [Add Roles to an Object Type](#) section for more information on adding roles to object types.

Adding a role with explicit permissions to a standard form allows you to grant a user within that role permission to view specific objects, along with any other objects authorized through [inferred permissions](#). Access to the object type is granted by adding the individual users, [user groups](#), or specific users within a user group, to the role field on the form. Only users or user groups who have been added to the role may be selected in this field.

Users in the role can't see the object until they've been specifically selected in the role's field on the form nor can they access the object until it's in a state they're authorized to view. What the user can do with the object, including any objects accessed through inferred permissions, is controlled by the object type's [workflow permissions](#) for the selected role.



As users with global permissions can automatically view all the objects that belong to the object type(s) added to their role (subject to any workflow permissions), you can only add roles with explicit permissions to an object type.

EXAMPLE

Recently, an incident occurred on-site that involved violence between two employees. The Incident object, SB/Violence 2016/11/23 was created by another employee, then submitted to Kevin Darden, who is in the Incident Reviewer role with global permissions on the Incident object type. Upon reviewing the object, Kevin decides that it needs to be escalated to the Director of Human Resources, Kathleen Leighton, who will decide if an investigation is required. Because Kathleen only needs to see incidents that have been escalated, her role, HR Director, has explicit permissions to view Incident objects. Therefore, to grant Kathleen access to see this object, Kevin adds her to the HR Director role on SB/Violence 2016/11/23, so she can see and edit the object and decide if the incident requires an investigation.

A screenshot of a web form. At the top, the text 'HR Director' is displayed in a dark blue font. Below it is a rectangular input field with a light blue border. Inside this field, the name 'Kathleen Leighton' is written in a dark blue font, followed by a small grey square containing a white 'x' icon. To the right of the input field is a small downward-pointing chevron icon.

A user granted access to an object through an added role on a configurable form.

Form Actions Overview

The **Actions** element allows end users to open a specified form or data visualization (including [Data Analytics Export reports](#)) by clicking a button on a standard form.

This element type is useful when the user needs to complete or print related forms throughout a process, they would benefit from being able to view report data while working in an object, or they need a summary of object data for further analysis.

Form actions include:

- **Open a form:** Opens a standard form related to the object type.
- **Open a data visualization:** Opens a [report](#) or [data grid](#) related to the object type.
- **Export Data:** Opens a [report](#) that allows users to export object data from the form's object type.
- **Open Assessment Scoping:** Opens a [navigation form](#) that allows users to view, filter, and add focus objects to an assessment.

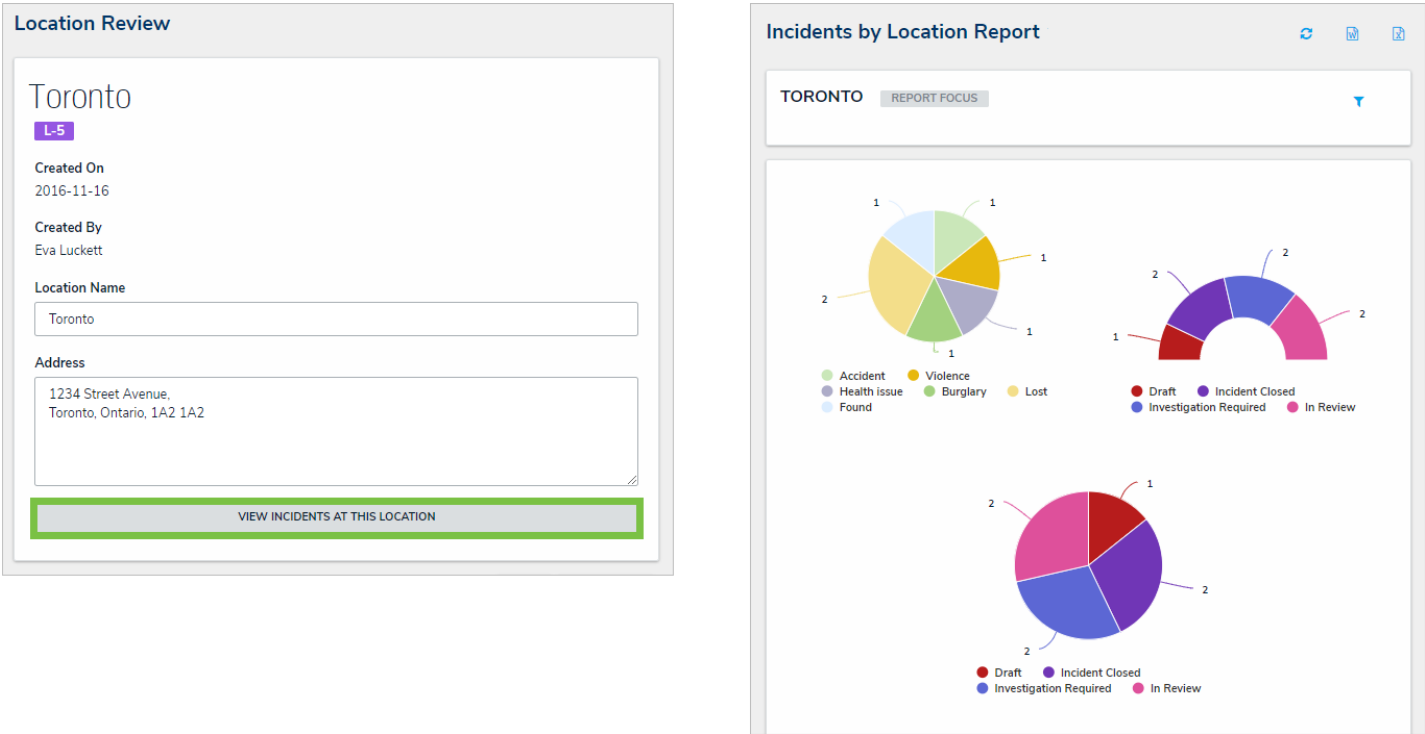
Because each form action requires data from the originating object, actions should only be added to forms for **existing** objects. Clicking an action button on a form still in the **Creation** state will display blank, read-only forms or reports with no data. If the **Open Assessment Scoping** action is added to a standard form for a new assessment, it will not be displayed until the assessment has been created.

The screenshot displays a form titled "Object Name" with a sub-header "SPA-123". The form contains several sections: "SOX Assessment Status" with a "Creation" button, "SOX Process Assessment Name" with a text input field, "Business Unit" with a search input field, and a "Time" section with a "+ SECTION" button. To the right of the form is a "FORM ELEMENTS" sidebar. The sidebar has a blue header with a close button. It contains four sections: "Roles" with a plus icon, "Actions" with a minus icon, "Other" with a plus icon, and "Enable Comments" with a checkbox. The "Actions" section is highlighted with a green border and contains four items: "Open a data visualization", "Export Data", "Open a form", and "Open Assessment Scoping".

The Actions element on the Edit Configurable Form page.

Open a Data Visualization Form Action

The **Open a data visualization** action element allows end users to open a data visualization directly from an object instead of through a [view](#) . For example, if this action was added to a standard form for the Location object type and a user was working in a location object, they could click the "View Incidents at this Location" action button to view a report that outlines details about the incidents that occurred in that city.



Add Component

Button Text

Open Incident Summary Report

Data Visualization

IM - Incident Summary Report 2

SAVE

CANCEL

The Add Component window.

6. Click **Save** to return to the canvas.
7. To edit the action, hover your cursor over the element on the canvas, then click the  icon.

Export Data Form Action

When the **Export Data** action is added to a standard form, it allows users to open a **Data Analytics Export** report directly from an object instead of an activity [view](#) or [action](#). These report types are specifically designed to export object data (properties, fields, workflow states, relationships, and references) into an Excel spreadsheet and therefore do not display object data through report elements.

Before this element can be added to a form, a **Data Analytics** report must be created for object type. See the [Create a Data Analytics Export Report](#) article for more information.

The image shows two side-by-side screenshots. The left screenshot is titled 'Location Review' and shows a form for 'Montreal' with fields for 'Location Name', 'Incidents at this location' (with a list of incidents), and 'Address'. At the bottom, there is a button labeled 'EXPORT LOCATION DATA'. The right screenshot is titled 'Location Data Export' and shows the 'ANALYTICS EXPORT' report. It includes a description of the tool, 'EXPORT DETAILS' (Report Name: Location Data Export, Report Focus: Location > Incident, Anchor Object: Montreal), and buttons for 'CANCEL' and 'EXPORT TO EXCEL'.

Clicking the button for the Export Data action on an object's form will display a data analytics report for that object.

To add the Export Data action to a standard form:

1. [Create](#) a data analytics report.

2. If the form is not already open, click the  icon in the top bar > **Configurable Forms** in the **Views** section, then select a form.

3. Click the  icon in the **Actions** section of the **Form Elements** palette to expand it.

4. Drag and drop the **Export Data** element to the canvas, which will automatically display the **Add Component** screen.



The **Export Data** form action should only be added to forms for existing objects. See [Form Actions Overview](#) page for more information.

5. Enter text to display on the button the user will click in the **Button Text** field.
6. Select a data analytics report from the **Export** dropdown menu. You can only select a report that's related to the current configurable form's object type.

Add Component

Button Text

Export Location Data

Export

Location Data Export

SAVE

CANCEL

The Add Components screen for the Export Data form action.

- Click **Save** to return to the canvas.
- To edit the action, hover your cursor over the element on the canvas, then click the  icon.

Open a Form Action

The **Open a Form** action allows end users to open a related standard form from within an existing object. For example, if the Open a Form action was added to a form for the Incident object type, a user viewing an existing incident object could click the "Witness Statement Form" action button to view, complete, or print the Incident Witness Statement form, then click Done to return to the originating object.

The left screenshot shows the 'Incident Review' form with the following fields and buttons:

- Incident Name:** IC/Theft 2016/10/20
- Incident:** Draft (red button)
- Incident Report Writer:** Wendy Marx
- Were there any witnesses?** Yes
- Witness Statement Form:** (button highlighted with a green border)

The right screenshot shows the 'Incident Review' form with the following fields and buttons:

- Created By:** Eva Luckett
- Created On:** 2016-10-20
- Date & Time the Incident Occurred:** September 18, 2017 8:10 am
- Employee?:** No
- What Happened?:** The witness saw the suspect swipe the iPhone off the table in the cafeteria and leave out the south exit. According to the witness, the suspect was wearing a brown jacket, jeans, and runners and was a Caucasian male of average height.
- People Involved:** (button with a plus sign)
- Interviews:** (button with a plus sign)

Clicking on a form action button on an existing object will open a related form. In this case, clicking the Witness Statement Form button will open the Incident Witness Statement form.

To add the Open a Form action to a standard form:

1. If the form is not already open, click the  icon in the top bar > **Configurable Forms** in the **Views** section, then select a form.
2. Click the  icon in the **Actions** section of the **Form Elements** palette to expand it.
3. Drag and drop the **Open a Form** element to the canvas, which will automatically display the **Add Component** screen.



The **Open a Form** action should only be added to standard forms for existing object types. See [Form Actions Overview](#) page for more information.

4. Enter text to display on the clickable button in the **Button Text** field.
5. Select a form from the **Form** dropdown menu. You can only select forms that are related to the current configurable form's object type.

Add Component

Button Text

Witness Statement Form

Form

Incident Witness Statement

SAVE

CANCEL

The Add Component screen for the form action element.

6. Click **Save** to return to the canvas.
7. To edit the action, hover your cursor over the element on the canvas, then click the  icon.

Open Assessment Scoping Form Action

The **Open Assessment Scoping** form action provides access to the [scoping tool](#) where users can review, filter, and add focus objects to complete the launch of an assessment. This action requires the use of a [navigation form](#) created for the same object type as the assessment [focus](#) or with the same [data definition](#) as the assessment.

This action can be added to standard forms for assessments, however, the action will not be displayed until the assessment is moved out of the creation state.

Risk Assessment Review

Risk 33

Risk Assessment Name

Risk 33

Time

Q2

Business Unit

Edmonton

ADD PROCESSES

RISK 33

Q2 - Time | Edmonton - Business Unit

EDIT ASSESSMENT DETAILS

Add a Process to your assessment from the list below. If it's necessary, you can add multiple Processes to focus on. You'll be able to perform more granular scoping before you confirm the scope of your assessment.

Filters

By Name

By Assessment Type

Q Select one...

By Dimension

Q Select one...

By Description

By Unique ID

By state

P-58 CORE-10097 PROCESS 1-1

Library

DEFAULT

ADD TO SCOPE

PAST ASSESSMENTS

P-13 EXTEND OUR REACH AND INFLUENCE

Library

DEFAULT

ADD TO SCOPE

PAST ASSESSMENTS

P-33 DELIVER AN EXCEPTIONAL CUSTOMER EXPERIENCE

There are currently 0 objects added and ready for review

Clicking on the Open Assessment Scoping form action on an existing assessment opens the scoping tools where focus objects can be added.

To add the Open Assessment Scoping action to a form:

1. Ensure the appropriate [data definition](#) and [navigation form](#) has been created.
2. If the form is not already open, click the  icon in the top bar > **Configurable Forms** in the **Views** section, then select the appropriate form.
3. Click the  icon in the **Actions** section of the **Form Elements** palette to expand it.
4. Drag and drop the **Open Assessment Scoping** element to the canvas, which will automatically display the **Add Component** screen.
5. Enter text to display on the clickable button in the **Button Text** field.
6. Select a [navigation form](#) from the **Navigation Form** dropdown menu. The options in this menu are navigation forms with the same object type as the assessment focus or with the same data definition.

Add Component

Button Text

Start Scoping

Navigation Form

QCA - Nav for Scoping

SAVE

CANCEL

The Add Component screen for the assessment scoping form action.

- Click **Save** to return to the canvas.
- To edit the action, hover your cursor over the element on the canvas, then click the  icon.

Free Form Text (Other) on Forms

Through the free form text element, you can add headers, titles, instructions, or additional information to your configurable forms. Text can be styled using [Markdown](#) formatting.

Incident Form

Enter the type of incident, your initials and the date the incident was created in the **Name** field below. For example, *EL/Hazard 2016/10/26*

Name

Free form text added to a form.

To add free form text on a configurable form:

1. After adding the free form text element to your form, hover your cursor over the element, then click the  icon.
2. Enter the text in the **Content** text box.
3. **Optional:** Apply [Markdown](#) formatting to the text. To view popular styles, click the  icon next to **Basic Markdown Formatting**.

Edit Component Display

Content

Create a New Incident

Enter the type of incident, your initials and the date the incident was created in the **Name** field below. For example, EL/Hazard 2016/10/26

Basic Markdown Formatting

HEADERS

h1

h2

h3

h4

EMPHASIS

italic

bold

~~strikethrough~~

LISTS

Unordered

-Item 1

-Item 2

-Item 3

Ordered

1. Red

2. Green

3. Blue

LINKS

inline link

[Display text]

([http\(s\)://www.link.com](http(s)://www.link.com))

inline link with text

[Display text]

([http\(s\)://www.link.com](http(s)://www.link.com))

"Link Homepage"

images

![alt text]

([http\(s\)://www.image.com](http(s)://www.image.com))

CLOSE

Free form text styled with Markdown formatting.

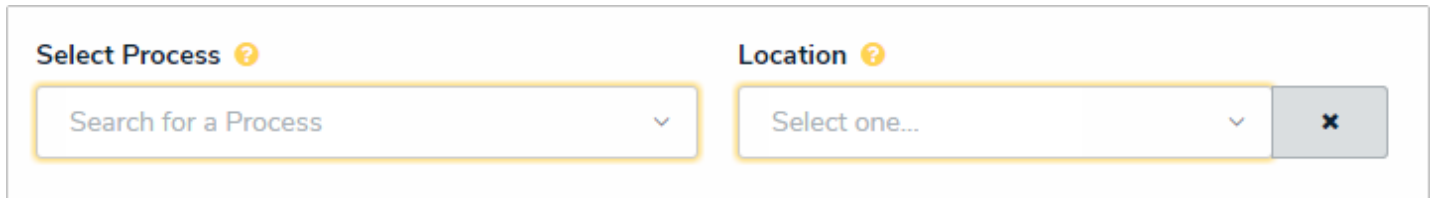
- Click **Close** when finished.

377

Assessment Context (Other) on Forms

If you're creating a configurable form for an [assessment](#), you must include the **Assessment Context** element, which will add fields for the assessment's [dimensions](#) onto the form. If this element is not added to the form, you will not be able to successfully create a new assessment object.

This element is not available to forms for non-assessment object types.



The screenshot shows a form section titled "Assessment Context (Other)". It contains two dropdown menus. The first is labeled "Select Process" with a yellow question mark icon. The input field contains the text "Search for a Process" and a small downward arrow. The second is labeled "Location" with a yellow question mark icon. The input field contains the text "Select one..." and a small downward arrow. To the right of the "Location" dropdown is a grey button with a white "x" icon.

The Assessment Context element on a form. This element adds the assessment's dimensions to the form, which are required when creating a new assessment instance.

Comments

The **Comments** element allows users to leave comments on objects. When enabling comments on a form, note that:

- Clicking **Reply** will create a new comment thread.
- You can tag other users in both comments and replies. To do so, type the @ symbol and begin typing the user's name, then click to select the user. You can tag more than one user per comment or reply.
- Tagged users will receive an email notification with a link to the object where the comment is posted, however, if that user doesn't have permission to view the object, he or she will not be able to view the object or comment.
- If a user makes a comment and their account is later deleted, their comment remains intact.
- To edit a comment, click the text within the comment. Comments marked as resolved cannot be edited.
- Disabling comments on a form does not delete the comments. They will reappear on the form once comments are enabled.
- Comment activity is captured in the [Audit Trail](#).

COMMENTS

Sheba Boudreau July 14, 2017 8:36 AM

Mark as resolved ☐

Eva Luckett Please ensure you upload the spreadsheet.

Reply

Type here to add a comment

A comment as it appears on a form.

To enable comments, which appear at the bottom of an object, click the



icon beside **Enable Comments** in the **Form**

Elements palette. To disable comments, click the



icon.

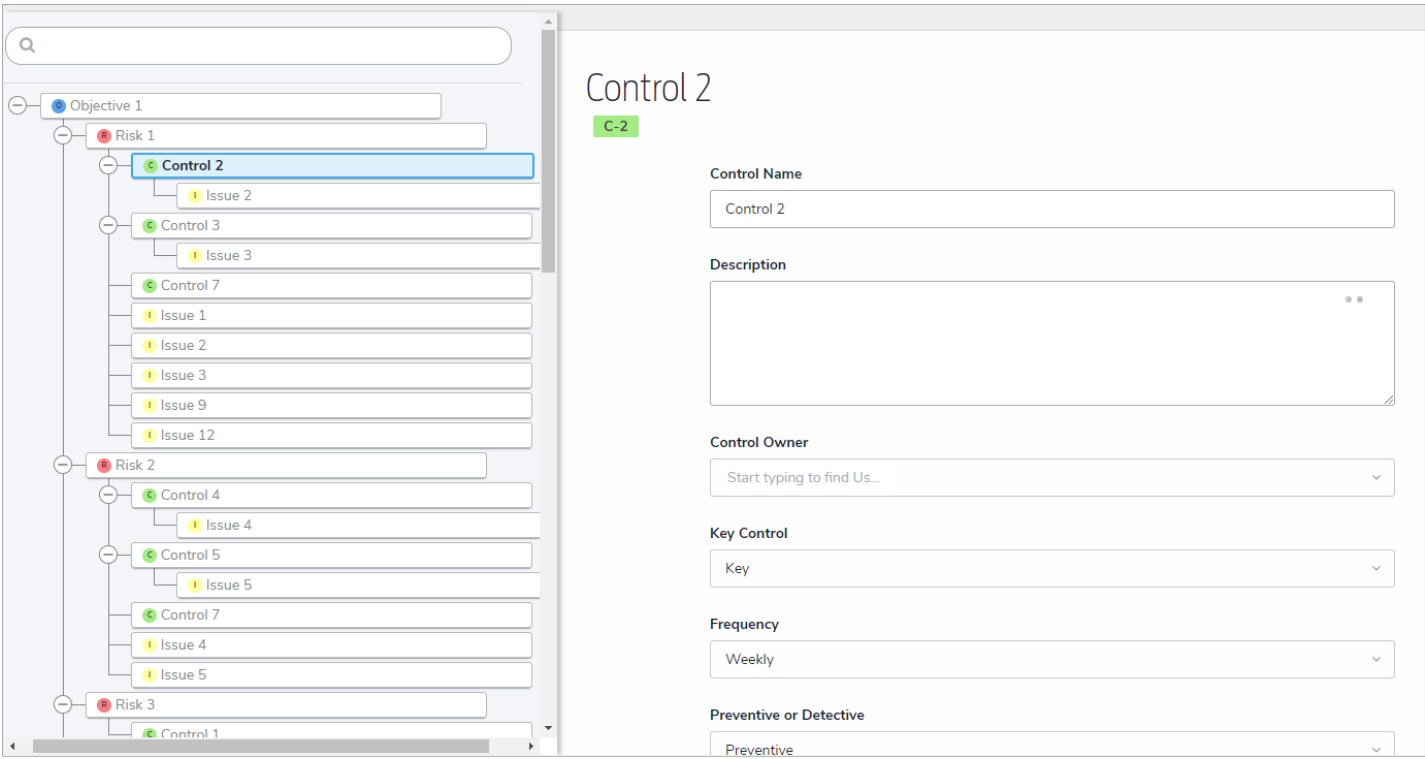
Navigation Form Overview

A **navigation form** is configurable form type that uses a [data definition](#) to provide visual context for users working with objects or assessments. This form type makes it easier to understand how each object relates to one another while providing easy access to those objects without leaving the current form.

Whereas a [standard form](#) merely contains the elements and fields added by an administrator, objects in a navigation form are represented as a hierarchical tree with expandable nodes in a panel to the left, starting with the object from the anchor object type and moving down the data path. Clicking one of these objects will display a standard form or [data visualization](#) to the right of the tree, without leaving the navigation form.

If a user doesn't have permission to view a specific object, that object and any others below it in the tree will not be visible. Users can narrow down which objects are displayed in the tree by using the search field in the left panel.

Navigation forms are available to end users through a [view](#) , through the link emailed to a user through the [Messaging action in a workflow](#) , or when clicking an object on the [My Tasks](#) page. These forms are also used to scope and launch assessments. See the [Scope & Launch](#) section for more information.

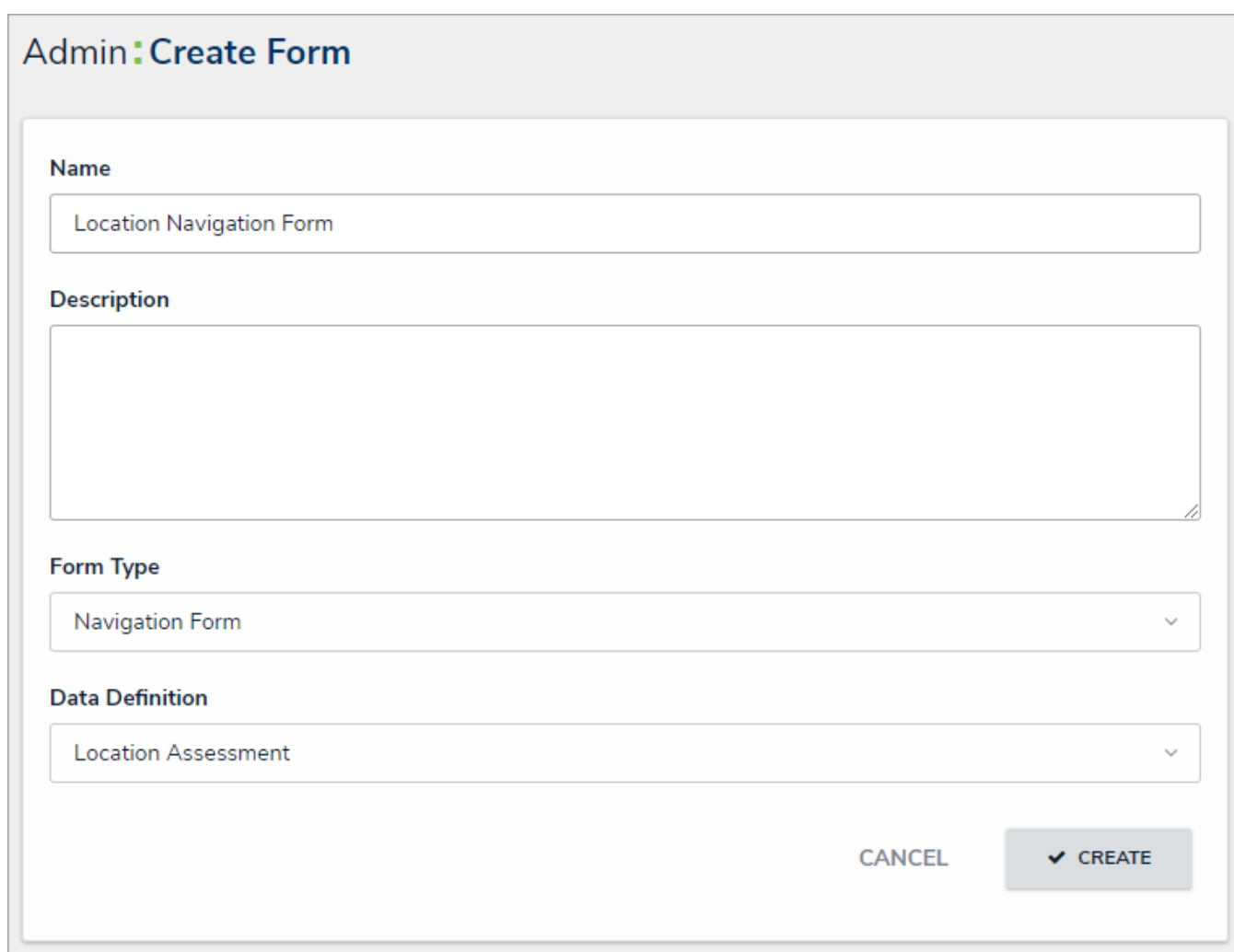


A navigation form as it appears to users in a view.

Create a Navigation Form

To create a new navigation form:

1. Click the  icon in the top bar > **Configurable Forms** in the **Views** section.
2. Click **Create Configurable Form**.
3. Enter the name of the form in the **Name** field.
4. **Optional:** Enter a brief description of the form in the **Description** field, which will appear below the form's name while editing the form and on the **Configurable Forms** landing page.
5. Select **Navigation Form** from the **Form Type** dropdown menu.
6. Select a data definition from the **Data Definition** dropdown menu. This will determine which objects will appear in the tree on the form. If a user doesn't have permission to view an object, that object and any others below it in the tree will not be visible. See [Data Definitions](#) for more information.



Admin: Create Form

Name

Location Navigation Form

Description

Form Type

Navigation Form

Data Definition

Location Assessment

CANCEL CREATE

The Create Form page.

7. Click **Create** to display the **Edit Navigation Form** page.

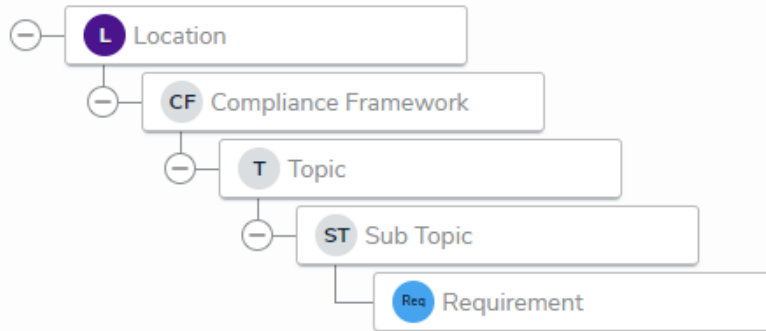
Admin: Edit Navigation Form

Location Navigation Form



Object Type: [Location](#)

Data Definition: [Location Assessment](#)



✓ DONE

The Edit Navigation Form page.

8. Click the first object type in the tree (this is the anchor object type).
9. Select either **Form** or **Data Visualization** to choose what's displayed to a user (a standard form or report) when they click an object type node in the tree.
 - If you selected **Form**:
 - a. Select a form for the object type from the dropdown menu.
 - b. **Optional:** Deselect the **Use this form for all workflow states** checkbox if you wish to specify which form to display for each state in the object type's workflow. If you deselected this checkbox, select a form from the dropdown menus below.

Location

☒ Form ☐ Data Visualization

Location - Create

☒ Use this form for all workflow states.

Select a form to render per workflow state

Inactive

Location - Create

Selecting a standard form to display when a user clicks an object type in the nav form.

- If you selected **Data Visualization**:
 - Choose a report for the object type from the **Select a data visualization to render** dropdown menu. If you do not select a specific form or report to display, any form selected in the object type's [workflow permissions](#) for its current state will display by default.

Location

☐ Form ☒ Data Visualization

Select a data visualization to render

SRM - Location Dashboard

Selecting a data visualization to display when a user clicks an object type in the nav form.

 Data grids are not currently supported in navigation forms.

 It's recommended that [repeatable form](#) reports are not added to nav forms as doing so may cause performance issues, depending on the amount of data displayed in the form or report.

- Continue clicking through each object type in the tree to choose which form or report is displayed to the user.
- Click **Done** when finished.

Once the form is successfully created and configured, it can be added to a [view](#), the [Messaging action in a workflow](#), or when clicking an object on the [My Tasks](#) page.

Edit or Delete a Configurable Form

To edit or delete a configurable form:

1. Click the  icon in the top bar > **Configurable Forms** in the **Views** section.
2. Click the form you want to edit or enter the name of the form in the **Search** field, then click it to display the **Edit Configurable Form** page.
3. To edit a navigation or standard form's name, description, and/or **priority**, click the  icon next to the form's name.
4. To edit a standard form's **title**, **section**, or **element**, click the  icon on the canvas to see additional options.
5. To delete the configurable form, click the  icon, then click **Yes** to confirm.
6. Click **Done** when finished.

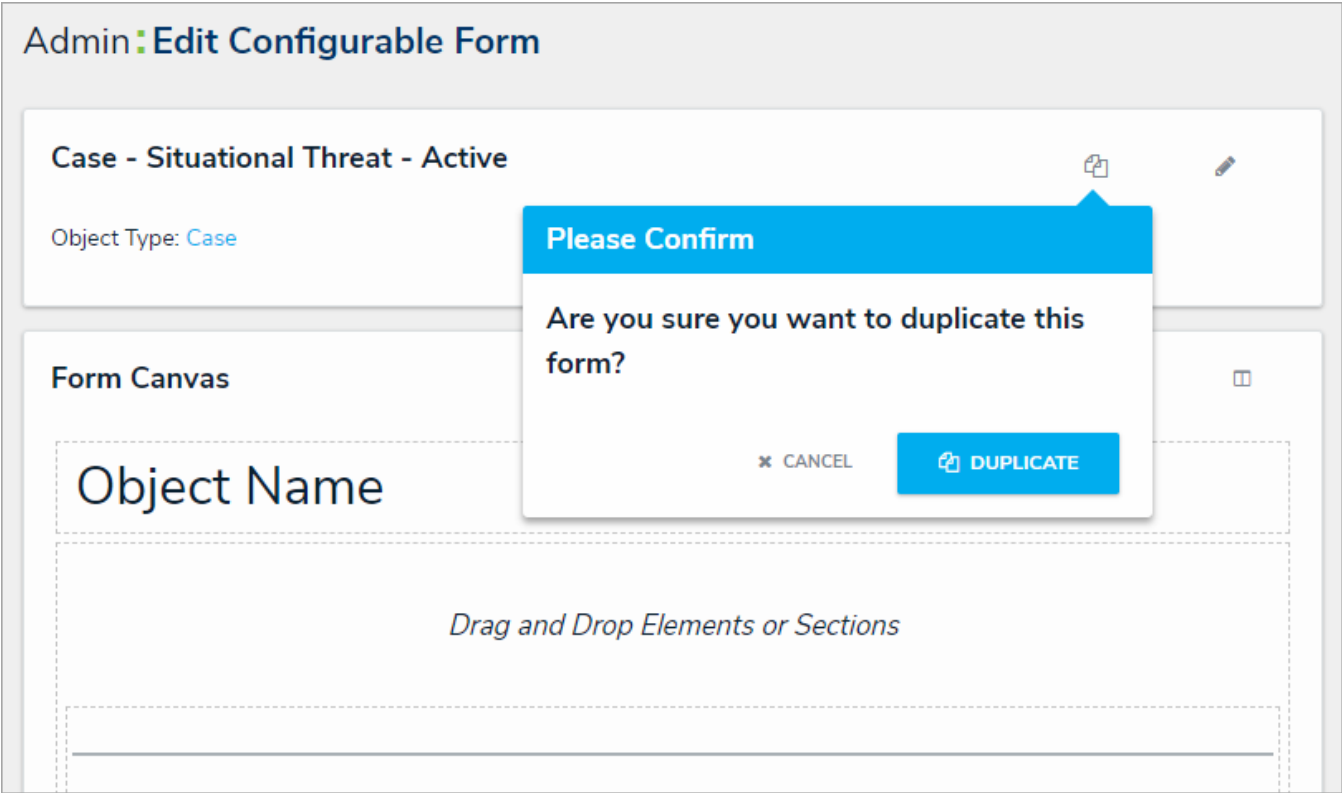
Create a Duplicate Configurable Form

Creating a duplicate form allows you to create similar forms (for both navigation and standard form types) for the same object type without having to entirely recreate a new form.

Newly duplicated forms are created with a _COPY suffix (e.g. creating a duplicate of a form called “New Incident” will create a new form called “New Incident_COPY”). You can edit the name and description for duplicate navigation and standard forms, and the elements and sections on a duplicate standard form, however, a duplicate form can only be associated with the same object type as the original form.

To create a duplicate configurable form:

1. Click the  icon in the top bar > **Configurable Forms** in the **Views** section.
2. Click the form you want to duplicate or enter the name of the form in the **Search** field, then click it to display the **Edit Configurable Form** page.
3. Click the  icon to the far right of the form's name.
4. Click **Duplicate** to confirm and to display the **Edit Configurable Form** page for the duplicate.



Duplicating a form.

5. If needed, click the **X** icon to close the **Form Palette**, then click the  icon to the right of the form's name to edit the name and description as necessary.

Admin : Edit Configurable Form

Case - Situational Threat - Active_COPY



Object Type: [Case](#)

Form Canvas



Object Name

Drag and Drop Elements or Sections

A duplicate form. Duplicate forms are created with a _COPY suffix in their names.

6. Click the  icon to display the **Form Palette** and add form elements as needed.



See the [Add Elements to a Standard Form](#) section for more details on configuring each form element.

Data Visualizations Overview

The **Data Visualizations** feature allows you display or export object data through a **report**, **data grid**, or **export report**. All data visualizations require a [focus eligible](#) data definition and one more or more [data series](#) (for reports and data grids).

Once a data visualization has been added to an application, end users can perform a variety of actions, including [starring](#) reports, applying filters, and editing or exporting data.

See the [Reports](#) , [Data Grid](#) , or [Data Analytics Export](#) sections for more information on each data visualization type.

Focuses & Data Series

Data visualizations rely on two types of [data definitions](#) : focuses and data series.

A **focus** is a data definition that broadly specifies which object type's data will be displayed in a data visualization. A data definition cannot be focus eligible if more than one unique object types on the same level have been selected. More specifically, when creating a focus eligible definition, you can only select one unique leaf (object type) per each branch in the data path tree. A definition can be focus eligible with multiple selections on one leaf **only** if those selections are for the same object type.

Admin : Edit Data Definition

REPORT FOCUS ELIGIBLE

DEFINITION

[-] ROT Root Object Type ✓

[-] Branch

[-] LOT Leaf Object Type 3 ✓

[-] Branch (Reference)

[+] ROT Root Object Type 2 ✓

A focus eligible data definition. This data definition is eligible because only one leaf (object type) has been selected per each branch on the data path.

388

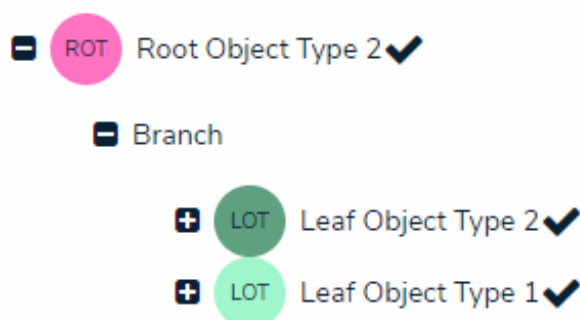
Admin : Edit Data Definition

NOT REPORT FOCUS ELIGIBLE



DEFINITION

This is for reference only, and cannot be modified



A data definition that is not focus eligible because more than one leaf has been selected on a single branch in the data path, however, this definition may be used as a data series.



Because the structure of data definition resembles a tree, the anchor object type is also known as the root, the relationships and references on the anchor are the branches, and the object types within those relationships or references are the leaves on the branches.

When creating any new data visualization, you must select at least one existing focus eligible data definition. When creating a report or data grid, you must also select a [data series](#) definition for each report [element](#) or data grid you wish to display.

A **data series** is a sub-definition that's related to the focus definition. When adding a report or data grid element you must select a data series definition which will more specifically define which object type data the element will display. The definitions you can choose from are populated based on the object type(s) selected in your focus definition. For example, if you created a report using a focus that had the Location object type as the anchor and only object type in the data path, all definitions with Location selected in their data paths, either as the anchor or leaf, will appear as options when selecting a data series. Focus eligible definitions can also be selected as data series definitions.

EXAMPLE

You need to create a report that assesses the effectiveness of the risks and controls in place for each location within your company. To do this, you would first create a data definition, called "Location Only," with Location as the anchor and sole selected object type to be the report focus. You then create an

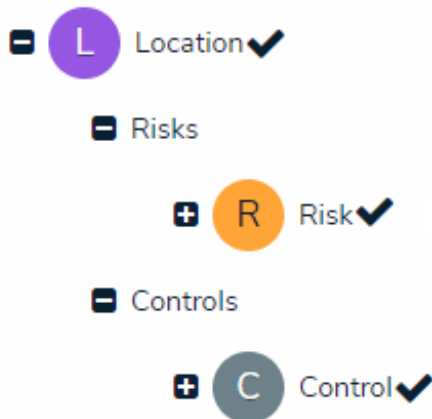
additional definition with Location object type as the anchor and the Risk and Control object types (which are connected to Location through relationships) as the leaves, naming the definition “Risks & Controls.” Now, when you create a report, you can select the Location Only definition as the Report Focus and when you add a table, chart, or heat map, you can drill down into either the Risk or Control object types by selecting the Risks & Controls definition as the data series for each report element.

Admin>Edit Data Definition

RISKS & CONTROLS

DEFINITION

This is for reference only, and cannot be modified



The data path for a data series definition.

Admin>Edit Report

RISKS & CONTROLS BY LOCATION

Report focus: Location Only Anchor: Location Data: Location

[+ ADD ANOTHER REPORT FOCUS](#)

The Edit Report page showing the Location Only definition is selected as the report focus and the Location object type is both the anchor and leaf.

ADD PIE CHART

Select a data series

Select a Data Definition

Risks & Controls

Time Spent (Hrs)

The Select a data series dropdown menu that appears after adding a report element. The options in this menu are populated based on the report focus and its leaves, if any.

For more information on creating and viewing data definitions, see the [Data Definitions](#) section.



You can check if an object type is associated with data definitions on a report by going to **Administration > Object Types** clicking the object type to open the **Edit Object Type** page then reviewing the **Related Data Definitions** section in the **Overview** tab.

Reports Overview

A report displays object or assessment data via one or more of the following report elements:

- Tables;
- Pie charts;
- Half-pie charts;
- Heat maps;
- Bar charts;
- Column charts;
- Repeatable forms (printer-friendly, non-editable configurable forms);
- Free form text (additional text displayed on the report with optional formatting); and
- Page breaks (to break a page when printing or exporting a report).

Each new report requires a data definition is selected as the report focus and each element (tables, charts, heat maps, or repeatable forms) added to the report canvas requires a data series to further filter the available object data. For more information on focuses and data series, see the [Data Visualization Focuses & Data Series](#) .

Only administrators can create reports, but end users can view and [star](#) reports, apply filters, and [export](#) report data from a view or [form action](#) .

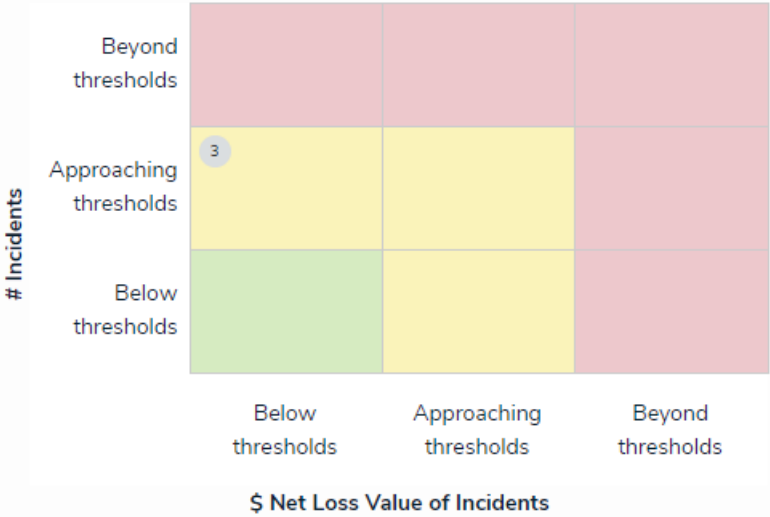
For information on creating a report and adding form elements, [Create a New Report](#) and [Report Elements](#) .

ORM - Loss Event Analysis

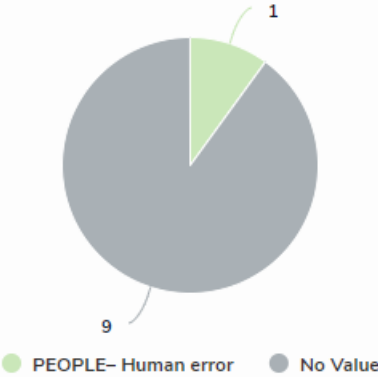


C-1 Riverdale Industries

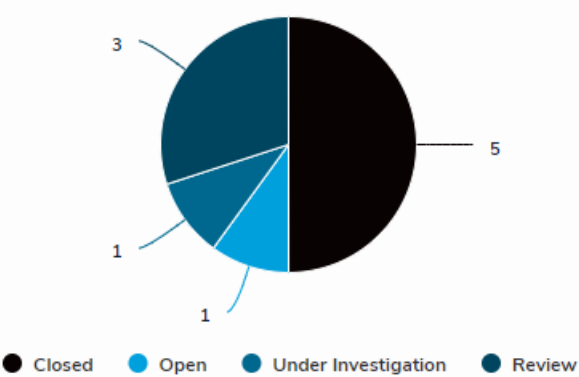
Critical Business Units



Root Cause Analysis



Incident Status



A report with a heat map and pie charts as it's displayed to a user in a view.

Loading & Caching Report Data

To reduce loading times, previously loaded report data, including data refined through end user-applied filters, is cached for up to an hour, preventing the need to regenerate data every time a report is viewed within this 60-minute period.

Reports are reloaded when:

- The 60-minute cache period has expired.
- The report or your browser is refreshed.
- New or additional filters are applied after the report was initially loaded.
- Your session expired or you logged out.
- The browser the report was originally loaded on is closed.
- An administrator changed the configuration of the report (e.g., adding or removing parameters, filters, or object types).
- An administrator has changed the role or permissions that has access to the report.



Caching is not available on data grids.

Banners

When a report is opened, a banner confirming the report data is loading appears at the top of the page, below the [nav bar](#). You can stay on the page until the report is loaded or navigate to another area within your Core organization.

Once the report is successfully loaded, a green confirmation banner is displayed. If you stayed on the report page, the banner is auto-dismissed after 5 seconds. If you navigated away from the page or if you loaded more than one report, the banner is displayed until the **X** in the top-right corner of the banner is clicked. You can access the report and any other cached reports you navigated away from by clicking the ellipsis in the green banner, then clicking the link to open the report page.



The green banner does not display links to cached [starred reports](#) or reports loaded via a [navigation form](#).

View an Example

RESOLVER

+

Q

ooo

⚙️

?

👤

Reports

Enterprise Risk

Incident

Compliance Management

Data Grid

BU-2

Toronto Office

Active

Issues by Business Unit

Loss Events

Risk and Control Self-Assessment Heat Map

Q Search...

RA-1

Risk Assessment - London Office

2018 - Q4

RCSA in Progress

RA-2

Risk Assessment - London Office

2018 - Q1

RCSA in Progress

RA-3

Toronto Q4 2018 Risk Assessment

2018 - Q4

RCSA in Progress

RA-4

New Risk Assessment

Define Scope of Assessment

Report banners.

Timestamps

Reports display the time and date the report was last updated/loaded **based on the current user's local timezone**. This timestamp appears on [exported reports](#) and is updated when the report is reloaded or refreshed.

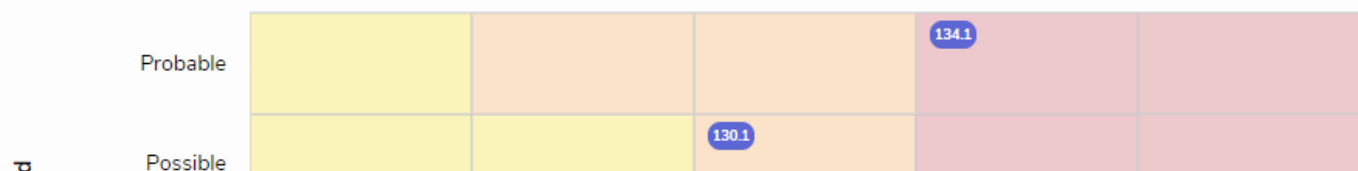
RM - RCSA Risk Heat Map



Last Updated: May 23, 2019 9:37 AM

RA-1 Risk Assessment - London Office

The following report provides an overview of all the risks within the RCSA. It plots each risk by residual impact and residual likelihood within the heat map.



A report timestamp.

Refreshing & Reloading

Cached reports do not refresh automatically to show the most recent data. To show the most recent data, the report must be reloaded by clicking the  icon on the report page or refreshing your browser.

Create a New Report

When creating a new report, you must create the report container (instructions below), select an [anchor](#) , then create one or more [data definitions](#) . These instructions cover creating a report that will display object data through report elements. If you're creating a report for data export or a data grid, see the [Data Analytics Export Report](#) or [Data Grid](#) sections for more information.

To create a new report:

1. Ensure the data definitions you intend to use for the report focus and data series have been created from the [Data Definitions](#) settings in the administrative settings.
2. Click the  icon in the top bar > **Data Visualizations** in the **Views** section.
3. Click **Create Data Visualization**.
4. Enter the name of the report in the **Name** field.
5. **Optional:** Enter a description of the report. This description will appear below the report's name on the **Data Visualization** page.
6. Select **Report** from the **Type** dropdown menu. If you're creating a data analytics export or data grid, see the [Create a Data Analytics Export Report](#) or [Create a New Data Grid](#) articles for more information.
7. Select a [report focus](#) from the **Focus** dropdown menu. For example, if you wish to create a report that displays data on the risks and controls at each location in your company, you would select a report focus with the Location object type as your anchor and no other object types (leaves) selected.

Admin : Create Data Visualization

Name

Risks & Controls by Location

Description

Type

Report

Data Visualization Focus

Location Only

CANCEL

✓ CREATE

The Create Data Visualization page.

8. **Optional:** Select additional, related report focus definitions from the **Focus** dropdown menu. Selecting another report focus will provide more data series options to choose from when adding a report element (table, chart, heat map, or repeatable form).
9. Click **Create** to display the **Edit Report** page.

Admin

Edit Report

Risks & Controls by Location

Report focus: Location Only

Anchor: Location

Data: Location

+ ADD ANOTHER REPORT FOCUS

Filters

▼ CONFIGURE FILTERS

Parameters

▼ CONFIGURE PARAMETERS

Report Elements

Display

+

Report Canvas

✓ DONE

The Edit Report page.

- Optional:** Click **Add Another Report Focus** to include another report focus definition. Depending on the data path, selecting another report focus will provide more [data series](#) options to choose from when adding a report element (table, chart, heat map, or repeatable form).

Once you've created the report and selected one or more report focus definitions, you can add charts, tables, heat maps, or repeatable forms, [filters](#) , [parameters](#) , or [text](#) .

Add a Table to a Report

Tables display selected data in text form and can be exported into a Word or Excel document from a [view](#) . Clicking on the data in any of the cells will display either the default form selected in the [role permissions](#) or an alternate form selected by an administrator in the table settings. Depending on the user's role permissions, the user may be able to view or edit the data in the form.



Tables with more than 10,000 rows of data will not load correctly. It's recommended that admins configure filters and/or apply parameters (at the [report level](#) or at the table level) to filter the data and prevent errors, improve loading times, and provide a better end-user experience.



If you need to use the [Data Import](#) feature to update existing objects, you can retrieve the objects' external reference IDs by adding the **External Reference ID** property to a table then reviewing the table in [view](#) .

Risk Category

Q Search Table...

Risk Category Name	Impact Trend	Likelihood Trend	Risk Trend
Fines			
Change in incoming work requests	Worse: 0	Worse: -1	Decreasing: -2
Change in supply	Worse: 0	Worse: 0	Decreasing: 0
Compliance with Legislation, Regulation, Administrative Agreement			
Product Delivery Delayed	Worse: -1	Worse: -1	Decreasing: -3
Lack of cashflow	Better: 2	Better: 2	Increasing: 12
Emerging Market Exposure	Better: 1	Worse: 0	Increasing: 2
Changing consumer confidence	Worse: -1	Better: 1	Increasing: 1
Material invoices are paid without shipment being verified	Worse: -2	Worse: 0	Decreasing: -8
Vendor payment is made for the incorrect amount	Worse: 0	Worse: 0	Decreasing: 0
Incorrect valuation of capital assets	Worse: 0	Worse: 0	Decreasing: 0
Product Pricing is not approved or validated in market	Worse: 0	Worse: 0	Decreasing: 0
Disclosures are not accurate	Worse: -2	Worse: -2	Decreasing: -10
Uncollectible debts not written off	Better: 2	Better: 1	Increasing: 8
Unjustified or unauthorized write-offs			
Personal data breach	Worse: 0	Worse: 0	Decreasing: 0
Problems with invoicing (delays, amounts)	Better: 2	Better: 2	Increasing: 8

Page 1 of 1 | 17 Rows

A table as it's displayed in a view.

Supported Data

The following data can be selected to appear in a table:

- **Properties:** The objects' properties, including Name, Unique ID, Description, External Reference ID, Created By, Created On, Modified By, Modified On, and [Assessment](#) Dimensions.
- **Fields:** The value of the objects' [fields](#) , including plain or rich text, numeric, date and time, select list, attachments, and formulas.

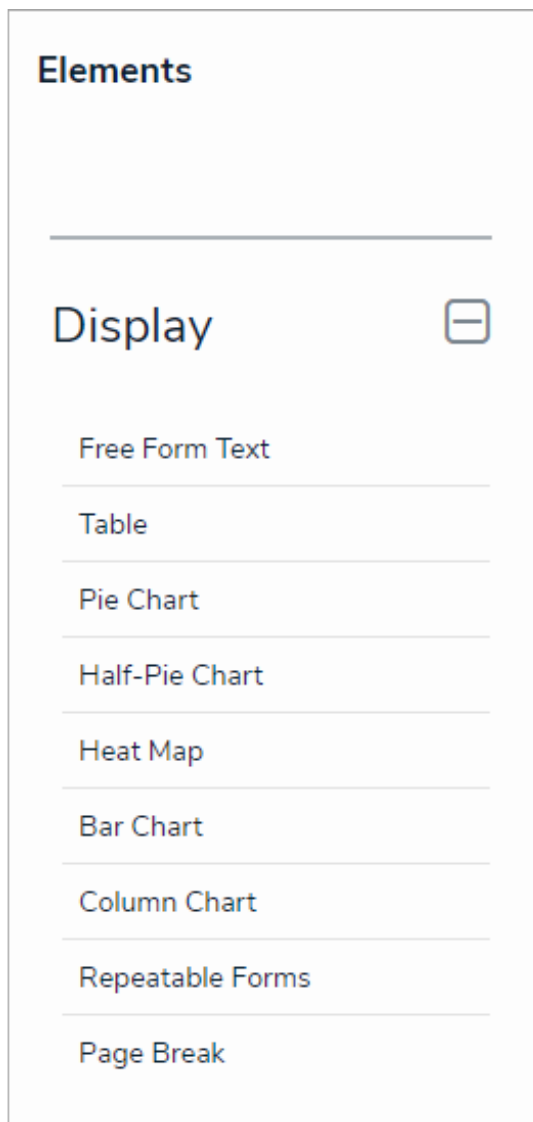
- **Relationships:** The name of [relationship](#) objects.
- **Workflow State:** The current [workflow state](#) of the objects.
- **Roles:** Displays the user(s) who have been added to an object via the [role](#) field on a form.
- **Assessment Name/Workflow State:** Displays the name of a related assessment and its workflow state.

You can also apply **parameters** that use workflow states, formula ranges, select list options, or roles to filter what data is displayed on the table. Parameters can be applied using any of the relationships saved to the table's selected data definition. You can create custom reports for the currently logged in user (e.g. My Incidents or My Risks) by applying the **Current User** parameter to the table. See step 14 below for more information.

Instructions

To add a table to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Table** from the **Elements** section to the **Report Canvas**.
3. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will

determine which object types you can choose to display in the table.

ADD TABLE

×

Select a data series

Select a Data Definition

▼

CANCEL

DONE

Selecting a data series.

4. Choose the data types you'd like to display in the table from the **Data Type** tab. Selecting **LIBRARY DATA** will include [object type data](#) , while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒

Select All

☒ LIBRARY DATA	LIBRARY
☒ Audit	ASSESSMENT TYPE
☒ Control Assessment	ASSESSMENT TYPE
☒ QCA	ASSESSMENT TYPE
☒ Quarterly Control Assessment	ASSESSMENT TYPE
☒ Risk Assessment	ASSESSMENT TYPE

The Data Type tab.

5. Click the **Columns** tab.
6. Choose either the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected as the data series in the step above.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT A RELATIONSHIP

Anchor

▼

Selecting which object type's data will appear in the table.

7. Select the properties, workflow states, fields, formulas, relationships, and/or roles you want to display in the table from the **Select Data** section. Use the **Search** field to search for a particular data type, if needed. Clicking a selected data type will deselect it and remove it from the table.

SELECT DATA

Select the data you want to visualize in the table

✓ Name	PROPERTY
✓ Unique ID	PROPERTY
Description	PROPERTY
✓ External Reference Id	PROPERTY
Dimensions	PROPERTY
Objectives	OBJECTIVES WORKFLOW STATE
Date Created	OBJECTIVES DATE & TIME
Resources Required	OBJECTIVES PLAIN TEXT
Status	OBJECTIVES SELECT LIST
Business Unit	OBJECTIVES RELATIONSHIP
Key Performance Indicator	OBJECTIVES RELATIONSHIP
Key Results	OBJECTIVES RELATIONSHIP
Potential Audit Area	OBJECTIVES RELATIONSHIP
✓ Risks	OBJECTIVES RELATIONSHIP

The Select Data section.

- From the **Define Custom Forms** dropdown menu, select which form is displayed when a user clicks on data in the table. Choosing **Default** will display the form selected in the user's [role permissions](#) for the object type.

DEFINE CUSTOM FORMS

Choose which Custom Form will display when an object field is selected

Objectives

Default

The Define Custom Forms section.

9. **Optional:** In the **Sort Columns** section, click and drag the  icon next to the data types to rearrange how the columns will appear on the table.
10. **Optional:** If needed, click the  icon next to the data type to delete it from the table.
11. **Optional:** Select the **Show SUM totals for all numeric columns** checkbox to display a sum total of the numeric field values on the table.

SORT COLUMNS

Drag columns into the order you wish for them to appear on the table

Name		
REQUIREMENT SUB TOPIC SUB TOPIC TOPIC PROPERTY		
Name		
REQUIREMENT SUB TOPIC PROPERTY		
Name		
BUSINESS UNIT PROPERTY		
Type of Non-Compliance		
BUSINESS UNIT REQUIREMENT		
Inherent Risk Score		
BUSINESS UNIT REQUIREMENT FORMULA		
Control Effectiveness		
BUSINESS UNIT REQUIREMENT		
Residual Risk Score		
BUSINESS UNIT REQUIREMENT FORMULA		

☐ Show SUM totals for all numeric columns
 ☐ Display colored cells as ovals

The Sort Columns section where you can rearrange the table columns or delete the data types.

12. **Optional:** Select the **Display colored cells as ovals** checkbox to show formula or select list cells as text with colored circles. When this option is not selected, cells are displayed with text and a full background color, if any.

13. Repeat steps 6-12 above to continue adding data from additional object types in the data definition.
14. Scroll to the top of the **Edit Table** palette, then click the **Parameters** tab.

The Parameter tab.

15. Choose a relationship from the **Select a Relationship** dropdown menu. The relationship selected here will determine which parameters (filters) you can apply to the table to refine the data that's displayed. If needed, you can select a relationship that differs from the relationship selected in the **Columns** tab.



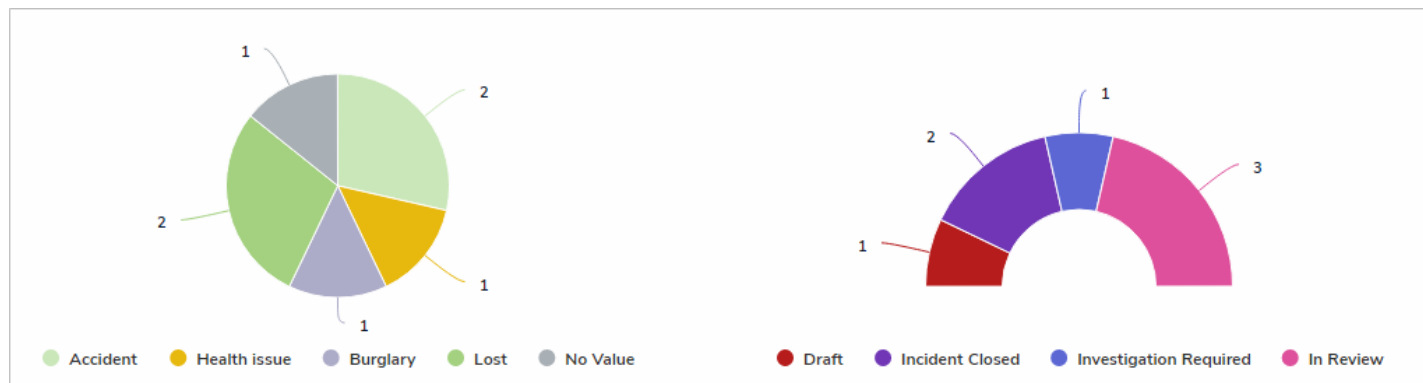
You can add parameters from an object type in the data series even if that object type isn't configured to display any data in the table.

16. Below **Define Parameters**, select one or more parameters to filter the data displayed in the report. Options include:
 - [Workflow states](#) ;
 - [Select list](#) options;
 - [Formula](#) ranges (e.g. High, Medium, Low);
 - By [Current User](#) . When one or more roles are selected in this parameter, only users within those roles can view the data in the table. This feature is useful to create customized reports for specific users. The available roles are determined by the object types in the table's [data series](#) ; or
 - By [Date & Time Field](#) or [Created On/Modified On](#) properties. Selecting a range in the **By [Date Field]** dropdown menu will filter the data relative to the value selected in the [Date & Time](#) field on the objects. Selecting a range in the **By Created On ([Object Type Name])** or **By Modified On ([Object Type Name])** dropdown menus will filter the data relative to the date the objects were created or modified. All date-related options filter data in UTC time. It's recommended a date parameter is used to refine large data sets for improved report performance. Options include:
 - **Today**: Show data from today's date only.
 - **Last [X] Days**: Show data within the last 30, 60, 90, or 180 days, relative to today's date.
 - **Custom**: Shows data within the dates selected in the **From** and **To** fields. The table will include objects up to the end of that date.
17. Repeat steps 15 and 16 above to add more parameters from additional object types.
18. To remove a select list, formula, or role parameter, click the **x** icon beside parameter. To delete a date parameter, click the field, then press the **Backspace** or **Delete** key on your keyboard.
19. Click **Done** to close the **Edit Table** screen.
20. Repeat the steps above to continue adding more tables to the report as needed. Once multiple elements are on the **Report**

Canvas, you can rearrange them by hovering your cursor over the element, then clicking the icon and dragging the element to a new location on the canvas. To delete an element, hover your cursor over it on the canvas, then click the  icon.

Add a Pie Chart or Half-Pie Chart to a Report

Pie charts display numeric data based on the data definition selected and can be displayed as a full pie chart or half-pie chart



A full pie chart and half-pie chart as they're displayed in a view.

Available Data Types

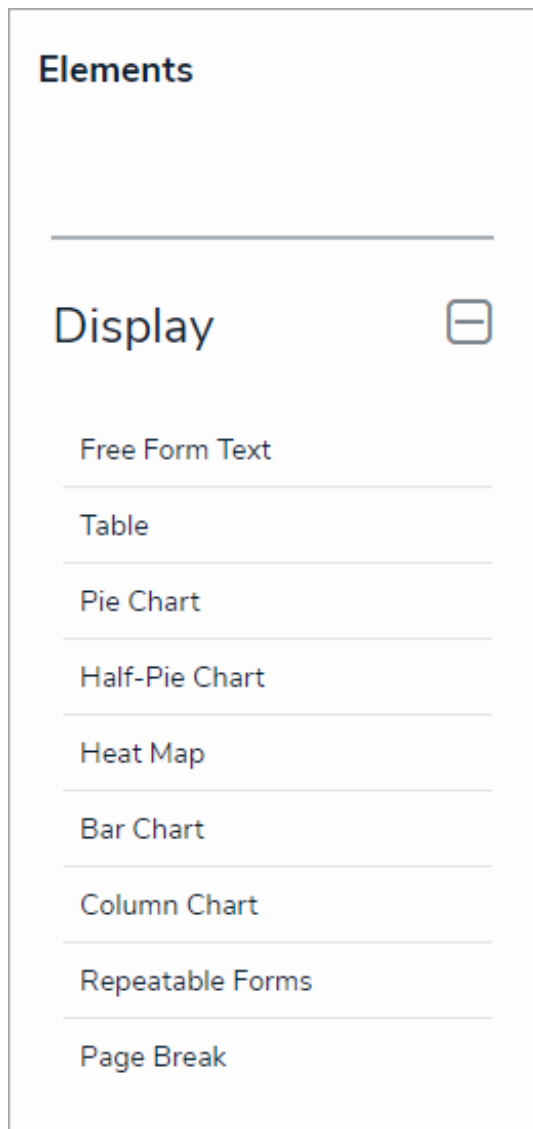
The following data types are available to display in a pie chart:

- **Numeric:** Displays numeric field data. For example, a pie chart could display the number of hours spent investigating an Incident (anchor) object using data drawn from the Time Spent (Hrs) numeric field. Selecting numeric data will require that you choose an object type or relationship to represent the data in the **Group By** section of the pie chart settings.
- **Select List:** Displays the number of times a select list option appears on an object. For example, a pie chart could display the number of times options from the Incident Type select list (e.g. Accident, Violence, Health Issues, etc.) appears on the Incident objects associated with a Location (anchor) object.
- **Formula:** Displays the number of times formula ranges appear on an object. For example, a pie chart could display the number of times the Low, Medium, High, and No Value ranges from the Estimated Vehicle Damage formula appears on an Incident (anchor) object.
- **Relationship:** Displays the objects an anchor object is associated with through a relationship. For example, if the Employee Record object type is selected as an anchor and it appears on the Incident object type through a relationship, a pie chart could display the number of incidents the employee's name appears on. Selecting relationship data for a pie chart will require that you choose an object type or relationship to represent the data in the **Group By** section of the pie chart settings.
- **Workflow State:** Displays the workflow states and the number of objects that are associated with an anchor object. For example, a pie chart could display the number of Incident objects (and their current workflow states) that appear on a Location (anchor) object. If configured, [assessment](#) workflow states can be displayed in the chart.

Instructions

To add a pie chart or half-pie chart to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Pie Chart** or **Half-Pie Chart** from the **Elements** section to the **Report Canvas**.



Configurations for full pie and half-pie charts are identical. To change an existing full pie chart to a half-pie chart or vice versa, open the **Edit Pie Chart** palette and select **Pie** or **Half-Pie** in the **Configure Display** section.

3. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine which object types you can choose to display in your pie chart.

ADD PIE CHART

×

Select a data series

Select a Data Definition

CANCEL

DONE

Selecting a data series.

- Choose the data types you'd like to display in the pie chart from the **Data Type** tab. Selecting **LIBRARY DATA** will include object type data, while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒ Select All

☒ LIBRARY DATA	LIBRARY
☒ Audit	ASSESSMENT TYPE
☒ Control Assessment	ASSESSMENT TYPE
☒ QCA	ASSESSMENT TYPE
☒ Quarterly Control Assessment	ASSESSMENT TYPE
☒ Risk Assessment	ASSESSMENT TYPE

The Data Type tab.

- Click the **Configure Your Chart** tab.
- Choose the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected in the data series step above.

Data Type

Configure Your Chart

SELECT A RELATIONSHIP

Anchor

Selecting which object type's data will appear in the report.

- From the **Select Data** section, select the data (numeric, select list, formula, relationship, or state) that you wish to display in the pie chart.

SELECT DATA

Select the data you want to visualize in the pie chart

Q Search...

✓ Risks	LOCATION	RELATIONSHIP
Controls	LOCATION	RELATIONSHIP
Location	LOCATION	WORKFLOW STATE

The Select Data section.

i You may only select one data type to appear in the pie chart.

- Select an object type or relationship from the **Group Data** dropdown menu. This selection will represent the legend on the pie chart and determine how the data is displayed.

GROUP DATA

Select the Object Type you would like to use to group the data. This selection will represent the legend.

Risks

Controls

Risks

Location

Control

Risk

RELATIONSHIP

RELATIONSHIP

OBJECT TYPE

OBJECT TYPE

OBJECT TYPE

The Group Data section of Edit Pie Chart palette. Your selection here will determine how the legend of the pie chart is displayed.

9. **Optional:** Enter a name for the chart in the **Chart Title** field.
10. **Optional:** To display the pie chart as a full chart or half-pie chart, select either **Pie** or **Half-Pie** in the **Configure Display** section.
11. Click **Done** when finished.
12. Repeat the steps above to continue adding more pie charts to the report as needed. Once multiple elements are on the **Report Canvas**, you can rearrange them by hovering your cursor over the element, then clicking the  icon and dragging the element to a new location on the canvas. To delete an element, hover your cursor over it, then click the  icon.

Heat Maps Overview

The **Heat Map** uses colors and X and Y axes to display the intersection of object data and where that object data falls on a scale. Heat maps are most commonly used when analyzing an organization's risks, the likelihood the risks will occur, and the impact on the organization should they occur. Heat maps pull their data from **data points**, which are select lists and/or formulas from the selected object type.

EXAMPLE

Your organization needs to track risks by each office location to implement the appropriate controls and tolerances. To do so, you create a heat map that uses the Business Unit object type as the report anchor, then select the Risk object type, which is associated with Business Unit through a relationship, through the Data Definition. This data definition will allow users to generate a report that will display all the risks at each location (Business Unit) as well as indicate the impact and likelihood of each risk on the heat map.

Clicking the objects on the map will display either the default form selected in the [role permissions](#) or an alternate form selected by an administrator in the report settings. Depending on the user's role permissions, the user may be able to view or edit the data in the form. Hovering your cursor over a circle on the heat map will display the object's full unique ID and name.

When a cell contains 10 objects or more, it will display **[No. of Objects] Items** instead of the number from the objects' unique IDs. Note that hovering your cursor over 10 or more objects will **not** display each objects' unique IDs and names, nor can you open individual objects when clicking on a cell with 10 or more.

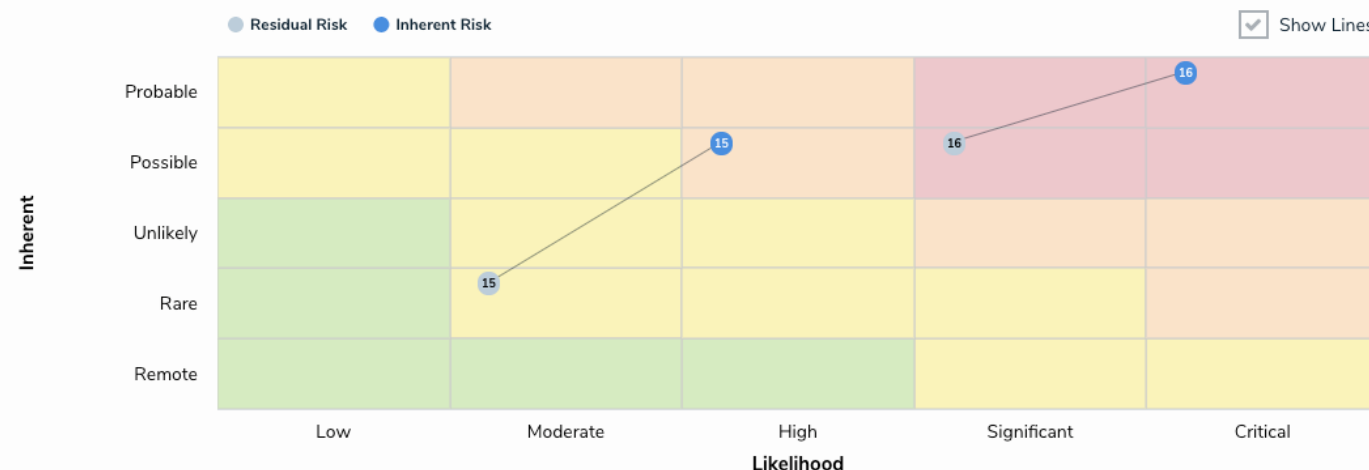


It's recommended you create [table](#) to accompany heat map reports, which will allow users to open individual objects in cells that contain 10 objects or more, provide additional information about the objects, and allow the object data in the table to be exported into a Word document or Excel spreadsheet as needed. Heat map data cannot be exported

RM - Risk Committee Report

C-1 Riverdale Industries

The risk committee reports reflects the areas of criticality within the business.



Risk Unique ID	Risk Name	Risk Dimensions	Inherent Risk Score	Residual Risk Score	# Issues	Risk Response Plan
R-15.1.1	Risk Oversight	Time Period: 2018 - Q1	Significant: 12	Medium: 4	-- not calculated --	
R-16.2	Transparency & Financial Integrity	Time Period: 2018 - Q1	Critical: 25	Significant: 16	-- not calculated --	

A heat map with multiple data points.

This is new.

Single Data Points

Single data point includes a select list or formula for both the X and Y axes, which also populate the labels on the left and bottom of the heat map. The color of the pills on the map are pulled from the selected object type's monogram color, if any, and the number from the objects' unique ID (e.g. R-4 will be displayed on the heat map as 4).

Multiple Data Points

If needed, up to six additional data points from a single object type can be added to the heat map. For example, you may need to create a heat map that shows an Inherent Risk data point using the Inherent Impact and Residual Likelihood formulas together with the Residual Risk data point using the Residual Impact and Residual Likelihood formulas.

Labels displayed in the X and Y axes are pulled from the **first** data point added to the element. Additionally, each data point is displayed in a legend and assigned one of the following preset hex color codes, based on the order each data point was created:

1. #bccdda
2. #498edf
3. #8b49df

4. #103765

5. #8c836a

6. #677682

Admins can name the X and Y axes with custom labels that appear outside the select list field/formula labels on the axes and can configure the map to display lines between objects that appear more than once through multiple data points.

Add a Heat Map with a Single Data Point

A heat map with a single data point includes a select list or formula for both the X and Y axes, which also populate the labels on the left and bottom of the heat map. The color of the pills on the map are pulled from the selected object type's monogram color, if any, and the number from the objects' unique ID (e.g. R-4 will be displayed on the heat map as 4).

For information on creating a heat map with more than data point, see the [Add a Heat Map with Multiple Data Points](#) article.

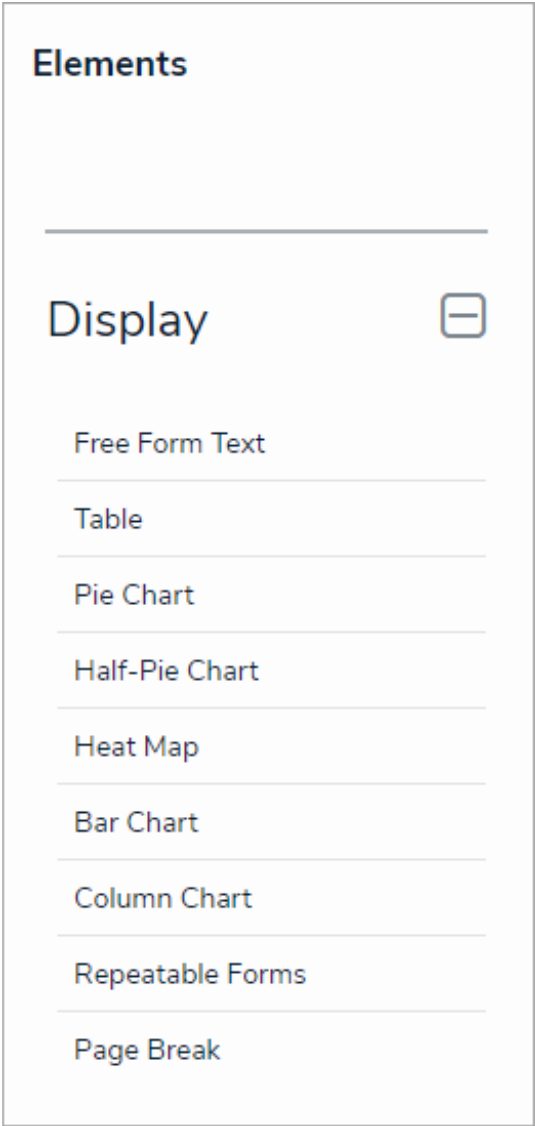


It's recommended you create [table](#) to accompany heat map reports which will allow users to open individual objects in cells that contain 10 objects or more, and provide additional information about the objects.

Instructions

To add a heat map with a single data point to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Heat Map** from the **Elements** section to the **Report Canvas**.
3. Select a **data series** from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine which object types you can choose to display in the heat map.

ADD HEAT MAP

Select a data series

Select a Data Definition

CANCEL

DONE

Selecting a data series.

4. Choose the data types you'd like to display in the heatmap from the **Data Type** tab. Selecting **LIBRARY DATA** will include object type data, while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒ Select All

☒ LIBRARY DATA	LIBRARY
☒ Audit	ASSESSMENT TYPE
☒ Control Assessment	ASSESSMENT TYPE
☒ QCA	ASSESSMENT TYPE
☒ Quarterly Control Assessment	ASSESSMENT TYPE
☒ Risk Assessment	ASSESSMENT TYPE

The Data Type tab.

5. Click the **Configure Your Chart** tab.
6. Choose either the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected as the data series in the step above.

Data Type

Configure Your Chart

SELECT A RELATIONSHIP

Anchor

Selecting which object type's data will appear in the heatmap.

7. Choose a select list or formula saved to the object type from the **X-Axis** and **Y-Axis** dropdown menus. These selections will populate the cell labels in the X (bottom) and Y (left) axes on the report.

i

Heat maps with a single data point display pills on the map based on the object type's monogram color, if any.

8. Click **Regenerate Heat Map** in the **Configure Colors** section to show a preview of the heat map.

CONFIGURE COLORS

Select the data you want to visualize in the table

Regenerate Heat Map

Probable

Possible

Unlikely

Rare

Remote

Low

Moderate

High

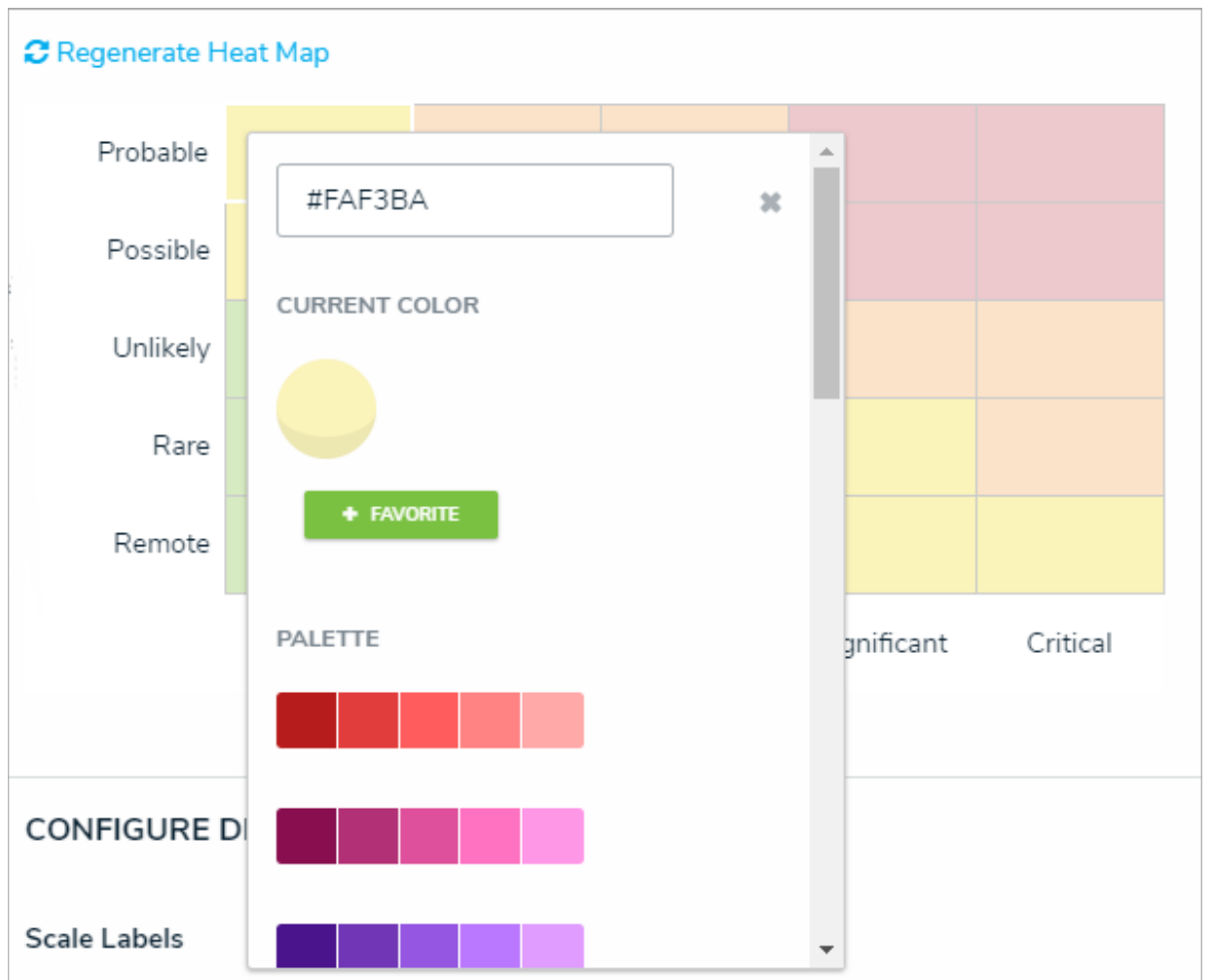
Significant

Critical

A preview of the heat map. Clicking *Regenerate Heat Map* will display the colors on the map for adjustment as needed.

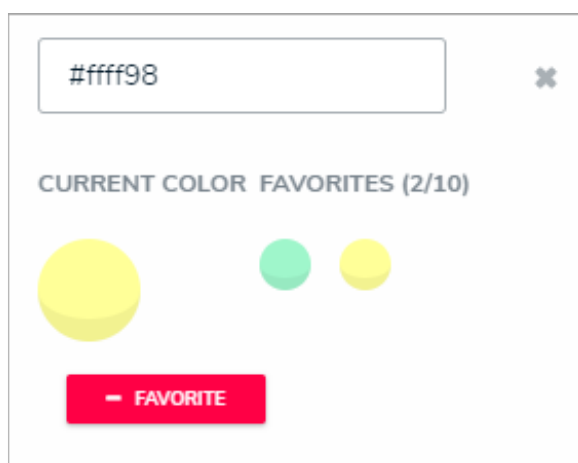
9. To adjust the cell colors:

- a. Click a cell to display the color picker.
- b. Enter a hex color code in the text box or select a preconfigured shade from the **Palette** section.



The heat map color picker.

- c. **Optional:** Click **+ Favorite** to save the color. Up to ten colors can be added and can be accessed when configuring the settings for all heat maps in your organization. To remove a favorite color, click it, then click **- Favorite**.



Favorite colors. Up to ten can be added.

- d. Click the **x** or click outside the picker to close it, when finished.
- e. To reset the cell colors to their defaults, click **Regenerate Heat Map**.

10. In the **Scale Labels** section, select either **Field and Label Names** to display the name of the select list or formula chosen in step 7 above alongside the cell labels, or select **Label Names Only** to display the options or formula labels only.
11. In the **Object Labels** section, select the **Unique ID (has decimals)** option if you want to display the decimals of any assessment instances (e.g. 32.1). Select **Library ID** if you do not want decimals displayed (e.g. 32).

CONFIGURE DISPLAY

Scale Labels

☐ Field and Label Names ☒ Label Names Only
Object labels

☐ Unique ID (has decimals) ☒ Library ID

The Configure Display section.

12. From the **Define Custom Forms** dropdown menu, select which form is displayed when a user clicks on data in the heat map. These options are determined by the object type selected in the **Select a Relationship** dropdown menu above. Choosing **Default** will display the form selected in the user's [role permissions](#) for the object type.
13. Click **Done** when finished.

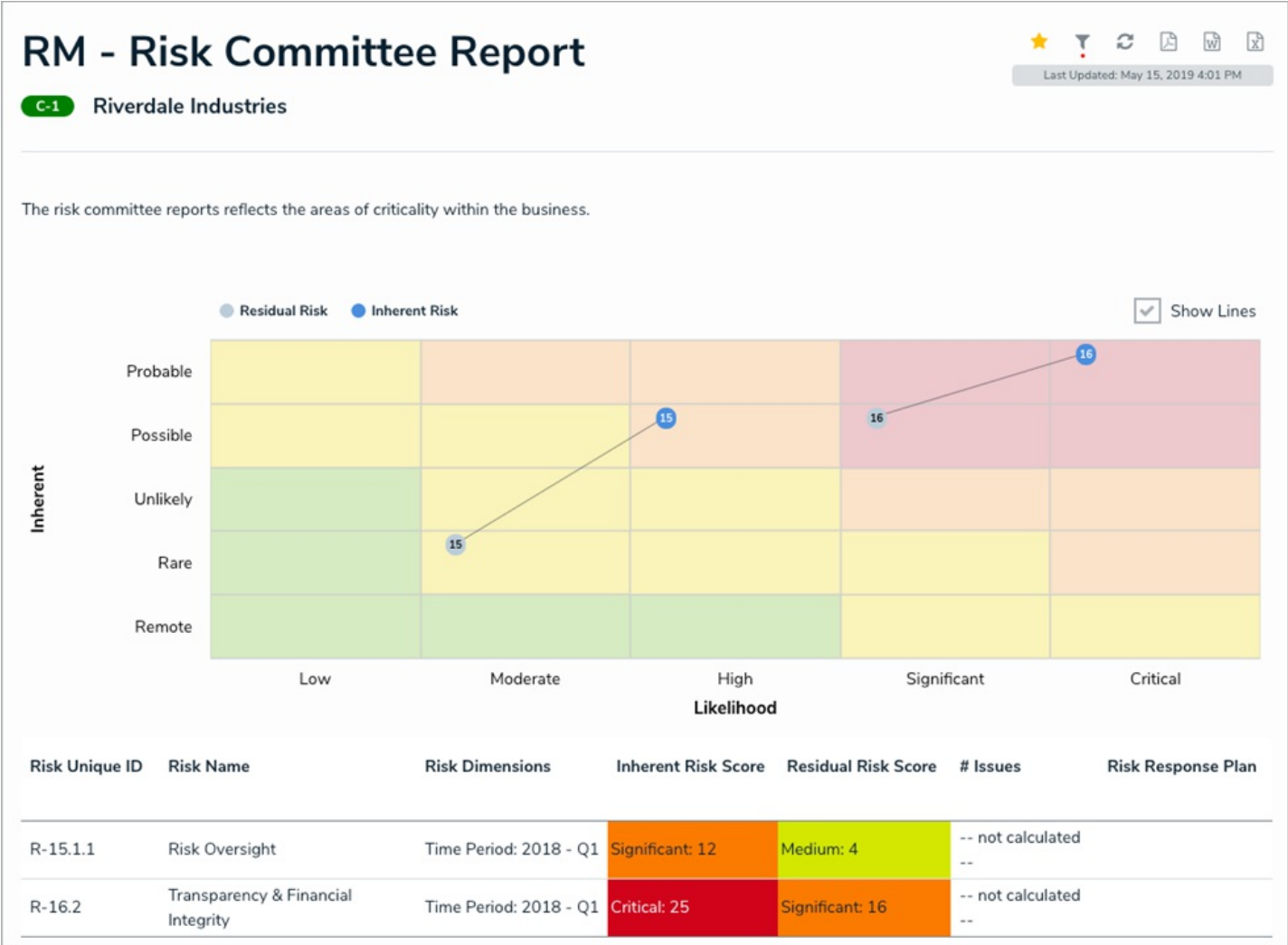
Add a Heat Map with Multiple Data Points

If needed, up to six additional data points from a single object type can be added to the heat map. For example, you may need to create a heat map that shows an Inherent Risk data point using the Inherent Impact and Residual Likelihood formulas together with the Residual Risk data point using the Residual Impact and Residual Likelihood formulas.

For information on creating a heat map with a single data point, see the [Add a Heat Map with a Single Data Point](#) article.



It's recommended you create [table](#) to accompany heat map reports, which will allow users to open individual objects in cells that contain 10 objects or more, and provide additional information about the objects.



A heat map with multiple data points.

Labels

Labels displayed in the X and Y axes are pulled from the **first** data point added to the heat map. Additionally, each data point is displayed in a legend and assigned one of the following preset color codes, based on the order each data point was created:

- 1. #bccdda
- 2. #498edf

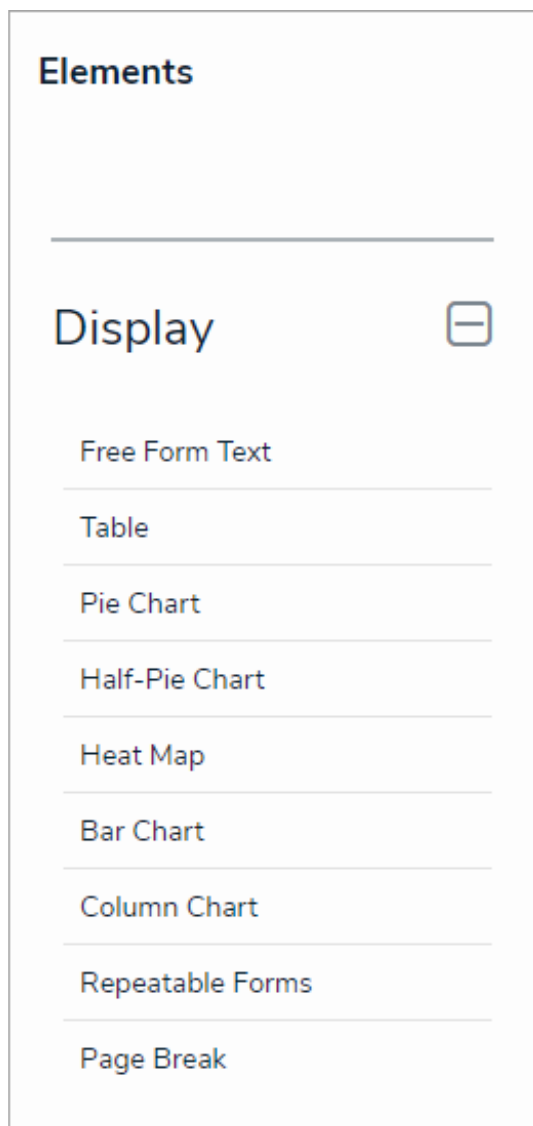
3. #8b49df
4. #103765
5. #8c836a
6. #677682

Admins can name the X and Y axes with custom labels that will appear outside the select list field/formula labels on the axes and can configure the map to display lines between objects that appear more than once through multiple data points.

Instructions

To add a heat map with multiple data points to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Heat Map** from the **Elements** section to the **Report Canvas**.
3. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine which object types you can choose to display in the heat map.

ADD HEAT MAP

×

Select a data series

Select a Data Definition

▼

CANCEL

DONE

Selecting a data series.

- Choose the data types you'd like to display in the heat map from the **Data Type** tab. Selecting **LIBRARY DATA** will include object type data, while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒ Select All

☒ LIBRARY DATA	LIBRARY
☒ Audit	ASSESSMENT TYPE
☒ Control Assessment	ASSESSMENT TYPE
☒ QCA	ASSESSMENT TYPE
☒ Quarterly Control Assessment	ASSESSMENT TYPE
☒ Risk Assessment	ASSESSMENT TYPE

The Data Type tab.

- Click the **Configure Your Chart** tab.
- Choose either the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected as the data series in the step above.

Data Type

Configure Your Chart

SELECT A RELATIONSHIP

Anchor

Selecting which object type's data will appear in the heatmap.

- Choose a select list or formula saved to the object type from the **X-Axis** and **Y-Axis** dropdown menus. These selections will populate the cell labels in the X (bottom) and Y (left) axes on the report.



The select list or formulas selected for the first data point determine which cell labels are displayed on the heat map.

- Optional:** Enter a name for the data point in the legend in the **Text label for data legend** field. If this field is left blank, the data point will be assigned a **Series #** title by default. The number assigned to the series name is determined by the order the data point was created (i.e., Series 1, Series 2, Series 3, etc.).
- Click **Add More**.
- Choose a select list or formula in the **X-Axis** and **Y-Axis** dropdown menus to create an additional data point, then enter an optional name for the data point in the legend in the **Text label for data legend** field.
- Continue adding more data points as needed. Up to six data points can be added per heat map.
- Optional:** Enter names in the **X-Axis** and **Y-Axis** fields in the **Custom Axis Labels** section to include a title for the axes on the map.
- Click **Regenerate Heat Map** in the **Configure Colors** section to show a preview of the heat map.

CONFIGURE COLORS

Select the data you want to visualize in the table

 Regenerate Heat Map

Probable					
Possible					
Unlikely					
Rare					
Remote					
	Low	Moderate	High	Significant	Critical

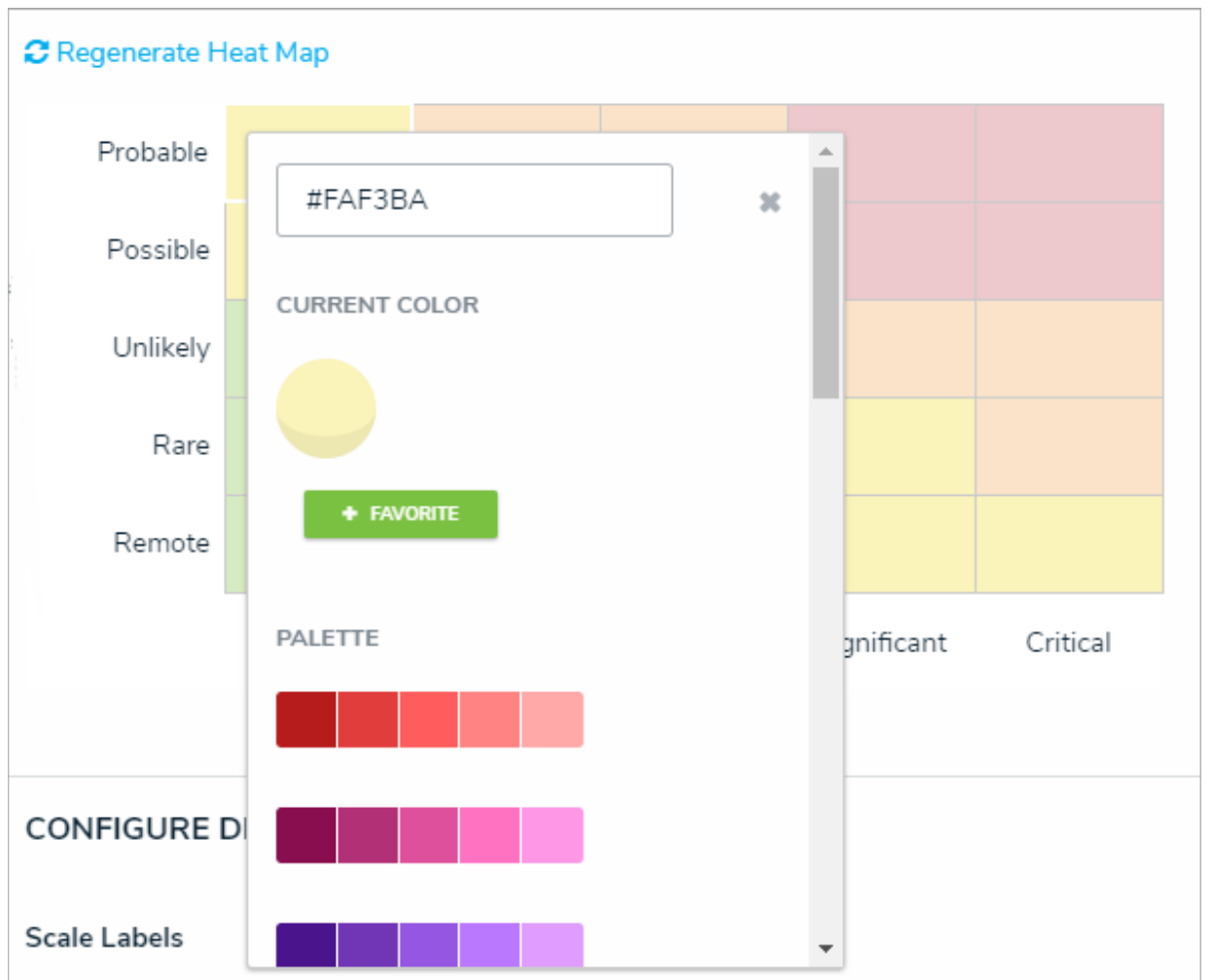
A preview of the heat map. Clicking Regenerate Heat Map will display the colors on the map for adjustment as needed.



The heat map preview will **not** display data point legends or connector lines.

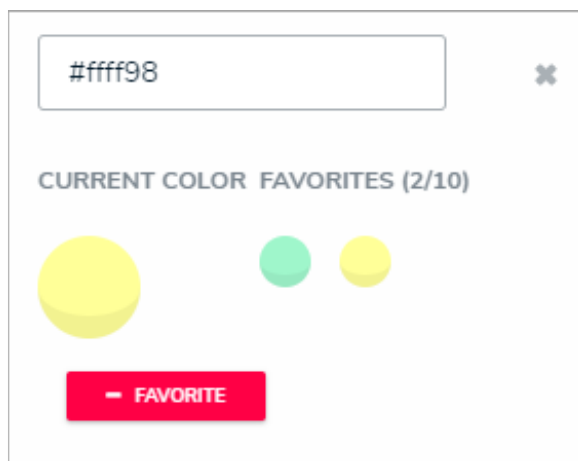
14. To adjust the cell colors:

- Click a cell to display the color picker.
- Enter a hex color code in the text box or select a preconfigured shade from the **Palette** section.



The heat map color picker.

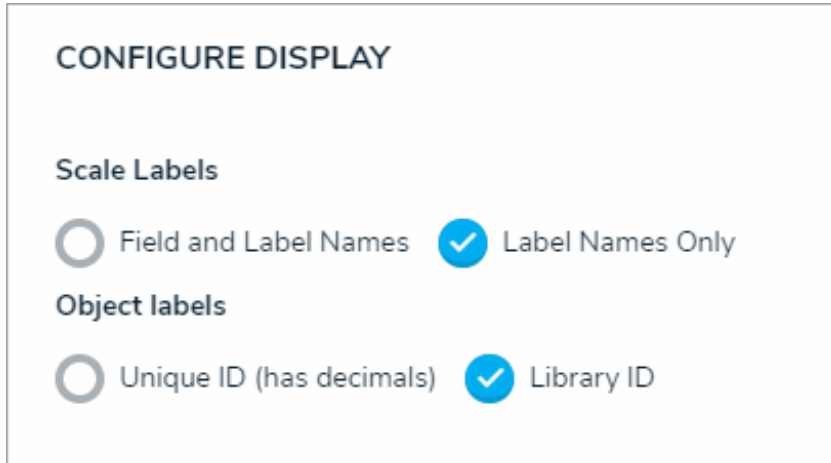
- c. **Optional:** Click **+ Favorite** to save the color. Up to ten colors can be added and can be accessed when configuring the settings for all heat maps in your organization. To remove a favorite color, click it, then click **- Favorite**.



Favorite colors. Up to ten can be added.

- d. Click the **x** or click outside the picker to close it, when finished.
- e. To reset the cell colors to their defaults, click **Regenerate Heat Map**.
15. In the **Scale Labels** section, select **Field and Label Names** to display the name of the select lists or formulas alongside the cell labels. Select **Label Names Only** to display the select list options or formula labels only.

16. In the **Object Labels** section, select the **Unique ID (has decimals)** option if you want to display the decimals of any assessment instances (e.g. 32.1). Select **Library ID** if you do not want decimals displayed (e.g. 32).



CONFIGURE DISPLAY

Scale Labels

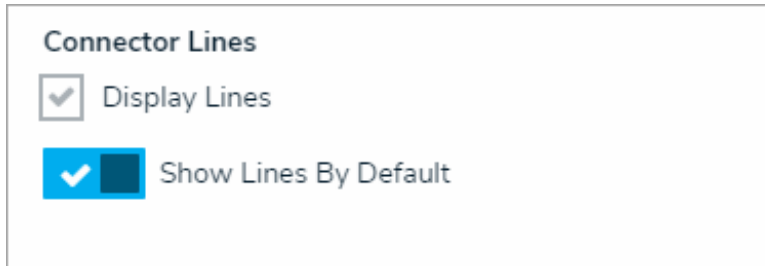
☐ Field and Label Names ☒ Label Names Only

Object labels

☐ Unique ID (has decimals) ☒ Library ID

The Configure Display section.

17. In the **Connect Lines** section, select the **Display Lines** checkbox to allow end users to enable lines between objects that appear more than once on the map through multiple data points. If this checkbox is selected, you can toggle the **Show Lines By Default** option to show the lines automatically once the report has loaded.



Connector Lines

☒ Display Lines

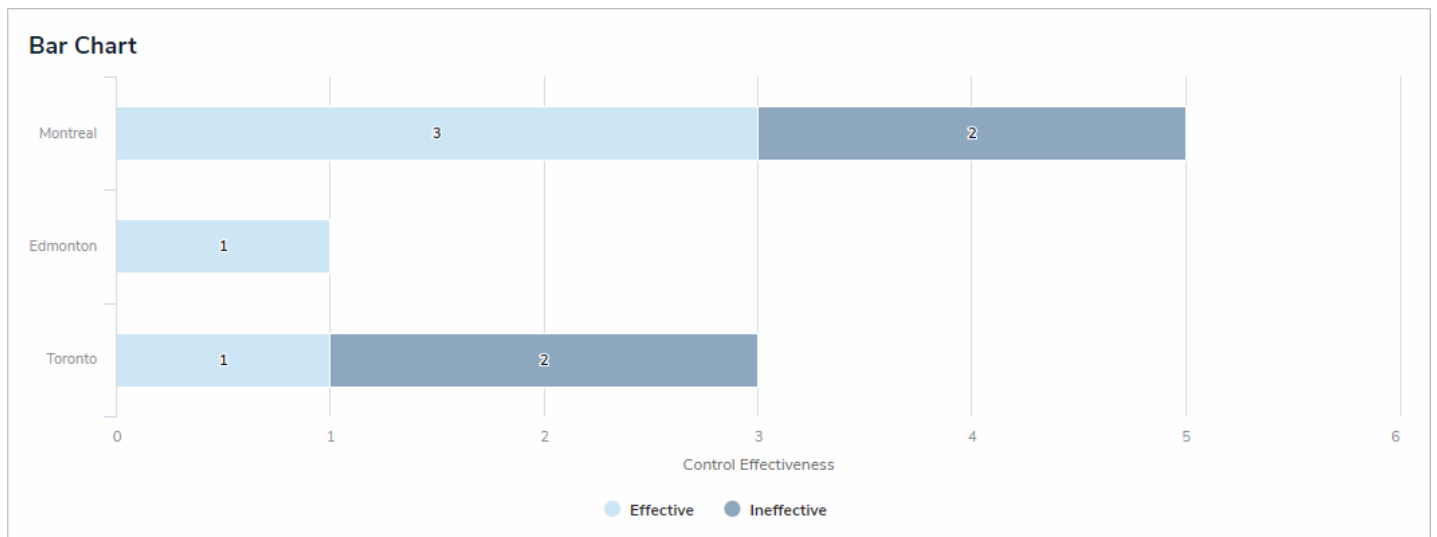
☒ Show Lines By Default

The Connector Lines section.

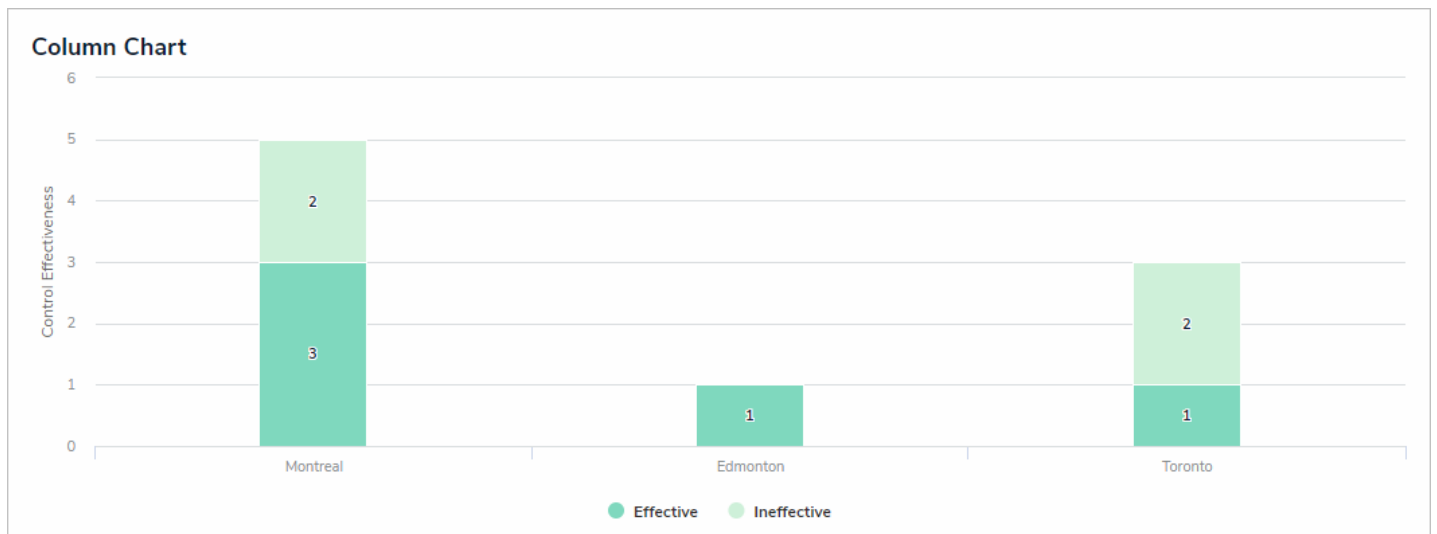
18. From the **Define Custom Forms** dropdown menu, select which form is displayed when a user clicks on data in the heat map. These options are determined by the object type selected in the **Select a Relationship** dropdown menu above. Choosing **Default** will display the form selected in the user's [role permissions](#) for the object type.
19. Click **Done** when finished.

Add a Bar Chart or Column Chart to a Report

Bar charts and column charts display numeric data based on the data definition selected.



A bar chart with grouped data.

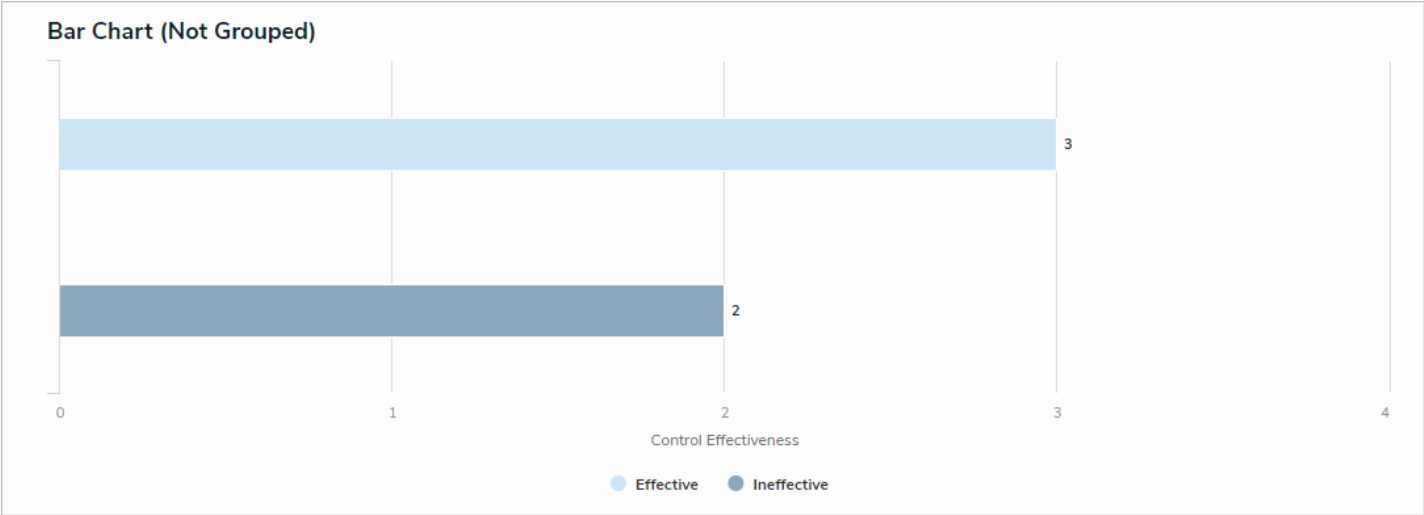


A column chart with grouped data.

Group By

When creating a bar or column chart, you can choose if the data is grouped by an object type or relationship. For example, in the screenshots above, the reports are displaying the number of times the Effective and Ineffective select list options appear on the Incident objects where each location has been referenced (e.g. the Montreal object has been selected on five Incident objects. Three of those Incident objects were effective, while two were ineffective).

When a chart **isn't** grouped, the number of times the selected field, formula, relationship, or state appears on a single object is totalled on the chart. For example, in the screenshots below, the data has not been grouped and the charts are therefore displaying the number of times the Effective and Ineffective select list options appear on the Incident objects at the Montreal location.



An ungrouped bar chart.

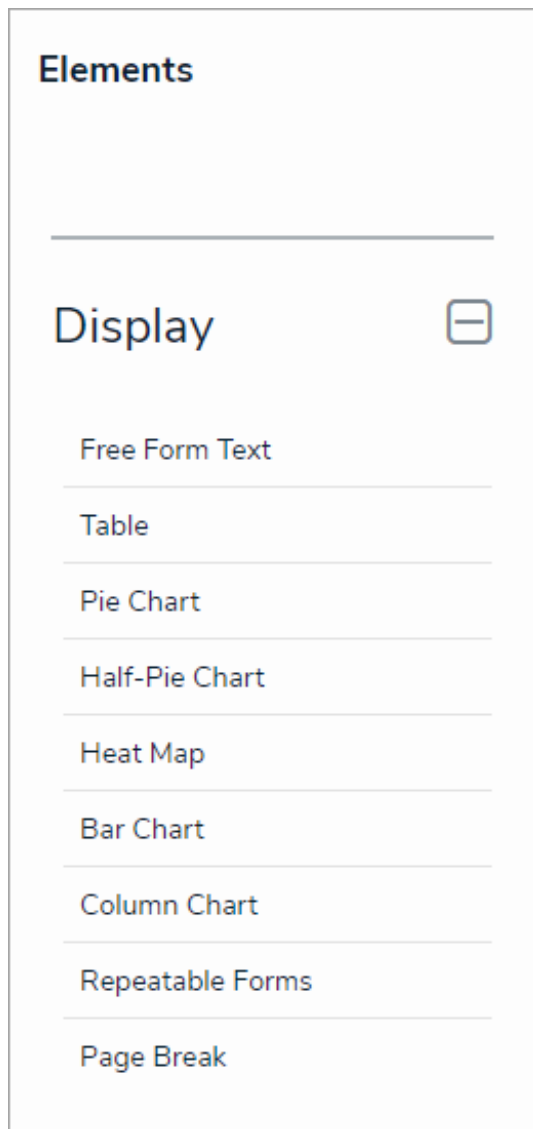


An ungrouped column chart.

Instructions

To add a bar chart or column chart to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Bar Chart** or **Column Chart** from the **Elements** section to the **Report Canvas**.



Configurations for bar and column charts are identical. To change an existing bar chart to a column chart or vice versa, open the **Edit Chart** palette and select **Bar** or **Column** in the **Configure Display** section.

3. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine which object types you can choose to display in the chart.

ADD BAR CHART

×

Select a data series

Select a Data Definition

CANCEL

DONE

Selecting a data series.

- Choose the data types you'd like to display in the pie chart from the **Data Type** tab. Selecting **LIBRARY DATA** will include object type data, while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Requirements, Controls*, Issues, Corrective Actions

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒ Select All

✓ LIBRARY DATA	LIBRARY
✓ Audit	ASSESSMENT TYPE
✓ Control Assessment	ASSESSMENT TYPE
✓ QCA	ASSESSMENT TYPE
✓ Quarterly Control Assessment	ASSESSMENT TYPE
✓ Risk Assessment	ASSESSMENT TYPE

The Data Type tab.

- Click the **Configure Your Chart** tab.
- Choose the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected in the data series step above.

Data Type

Configure Your Chart

SELECT A RELATIONSHIP

Anchor

Selecting which object type's data will appear in the report.

- From the **Select Data** section, select the data (numeric field, select list field, formula, relationship, or state) that you wish to display in the chart.

SELECT DATA

Select the data you want to visualize in the bar chart.

Q Search...

✓ Control Effectiveness	CONTROL	SELECT LIST
Operating Effectiveness	CONTROL	SELECT LIST
Design Effectiveness	CONTROL	SELECT LIST
Control Self Assessment	CONTROL	SELECT LIST
Conflicting Duties exist?	CONTROL	SELECT LIST
Control Source	CONTROL	SELECT LIST
Dependent on IT?	CONTROL	SELECT LIST
Key Control	CONTROL	SELECT LIST
Preventative or Detective	CONTROL	SELECT LIST
Frequency	CONTROL	SELECT LIST
Inherent Risk	CONTROL	FORMULA
No Labels	CONTROL	FORMULA
Control	CONTROL	WORKFLOW STATE

The Select Data section.



You can only select one data type for each bar chart.

8. **Optional:** Select an object type or relationship from the **Group Data** dropdown menu. This selection will determine the legend to the left of the chart and the category of the data displayed. If the data is not grouped, a total count of the field, formula, or state selected in step 5 above will be displayed.

GROUP DATA
Select the Object Type or Relationship you would like to use to group the data.

Select one...

Issue	RELATIONSHIP
Control	OBJECT TYPE
Issue	OBJECT TYPE

The Group Data section of Edit Chart palette. Your selection here will determine how the legend of the chart is displayed.

9. **Optional:** Enter a name for the chart in the **Chart Title** field.
10. **Optional:** To display the chart as bars or columns, select either **Bar** or **Column** in the **Configure Display** section.
11. **Optional:** If the data is grouped (see step 6), select the **Column Totals** checkbox to display a total count of the grouped data in each bar or column. If the data is not grouped, this option will be grayed out.
12. Click **Done** when finished.
13. Repeat the steps above to continue adding more bar or column charts to the report as needed. Once multiple elements are on the **Report Canvas**, you can rearrange them by hovering your cursor over the element, then clicking the  icon and dragging the element to a new location on the canvas. To delete an element, hover your cursor over it, then click the  icon.

Add Repeatable Forms to a Report

Repeatable forms display object data as it was entered into a form. This allows users to view and share non-editable, [printer-friendly versions](#) of completed forms with other users.

When configuring this element, admins select a data series, then define which objects will appear in the report by selecting a form and title for each relevant object type. If no form is selected for an object type, it will not appear in the report.

RESOLVER

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Settings

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Reports

Incident

Record Security & Audit

Incident Supervisor

Chester Benovic

Created By

Modified By

Incident Name

CS-2018-11-26-34 MISC

Description

Additional Access

Created On

2018-11-26

Modified On

2018-12-09

Title

For Review

Incident Severity

High

Incident Status

Closed

Incident Owner

Primary Incident Type

Enforcement/Raid

Additional Incident Types

Severity

Based on Incident Type

Business Unit

Corporate Security

Incident Start DateTime

Incident End DateTime

Incident Reported DateTime

November 26, 2018 9:29 am

A repeatable form on a report.

Unsupported Elements

Only [configurable forms](#) with supported elements can be selected in this report. If a form with unsupported elements is selected, the form is skipped in its entirety and an error message is displayed in its place. These unsupported elements include:

- Relationship and reference tables;
- Assessment tables;
- Assessment context;
- Assessment dimensions;
- Tabs;

- Action buttons; and
- Workflow transition buttons.

Risk Results by Risk Category

BU-1

London Office

Last Updated: May 23, 2019 12:15 PM

Search Table...

Risk Unique ID	Risk Name	Risk Owner	Inherent Risk Score	Residual Impact	Residual Likelihood	Residual Risk Score
R-98.1	Harassment & Assault		Low			Invalid Result
R-102.1	Employee relations (union-based)		Low			Invalid Result
R-105.1	Vendor Risk		Low			Invalid Result
R-106.1	Disentanglement		Low: 1			Invalid Result
R-135.1	New Litigation & Arbitration	Setareh Nezami	High: 5	Moderate	Remote	Medium: 2
R-134.1	Legal	Setareh Nezami	Significant: 16	Significant	Probable	Critical: 20

Page 5 of 5 | 86 Rows

◀ Previous

1 | 2 | 3 | 4 | 5

Next ▶

Unsupported Element

Unsupported Element

A report with repeatable forms that contain unsupported elements.

Important Notes About Repeatable Forms

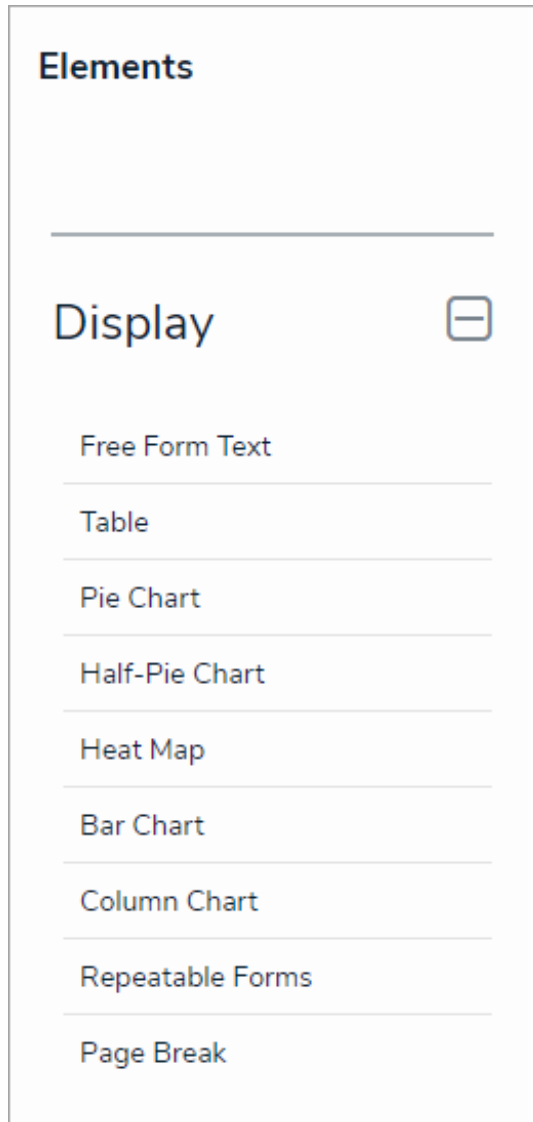
- Because repeatable form elements display the selected form in its entirety, reports with multiple repeatable forms may take longer to load. Additionally, for optimal loading time and performance, it's recommended that no more than 100 objects are displayed via one or more repeatable form in a single report. If you're using Internet Explorer, no more than 50 objects should be displayed.
- It's recommended that repeatable form reports are not added to [nav forms](#) or [starred reports](#) as doing so may cause performance issues, depending on the amount of data displayed in the form or report.
- If a user does not have permission to see an object, the form will not be displayed on the report.
- Because this report type is designed to be read-only, certain form components will not appear in a repeatable form, including:
 - Required fields;
 - Formula updates;
 - Workflow transition buttons; and

- Workflow states, etc.

Instructions

To add a repeatable form to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Repeatable Forms** from the **Elements** section to the **Report Canvas**.
3. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine which object types' data you can choose to display in the repeatable form.

ADD REPEATABLE FORMS

×

Select a data series

Select a Data Definition

▼

CANCEL

DONE

Selecting a data series.

4. Choose the data types you'd like to display in the form from the **Data Type** tab. Selecting **LIBRARY DATA** will include [object type data](#) , while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include.

Data series: Location - Involved Location - Incident

Data Type Forms Parameters

SELECT YOUR DATA TYPE ☐ Select All

✓ LIBRARY DATA	LIBRARY
Compliance Control Self-Assessment	ASSESSMENT TYPE
Compliance Testing (Prototype)	ASSESSMENT TYPE
Location-Specific Framework	ASSESSMENT TYPE
Process Audit	ASSESSMENT TYPE
Risk Assessment	ASSESSMENT TYPE
Security Framework Audit	ASSESSMENT TYPE
SOX Application Assessment	ASSESSMENT TYPE
SOX Certification Assessment	ASSESSMENT TYPE
SOX Process Assessment	ASSESSMENT TYPE

The Data Type tab.

- Click the **Forms** tab.
- Select either the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the definition selected as the [data series](#) in the step above.

Data series: Location - Involved Location - Incident

Data Type **Forms** Parameters

SELECT A RELATIONSHIP

Anchor ▼

Selecting which object type's data will appear in the repeatable form.

7. Select a form from the **Define Custom Forms** dropdown menu. If the default option of **None** is selected for an object type, its objects will not be displayed in the report.

DEFINE CUSTOM FORMS

Business Unit

None ▼

Selecting the custom form that will appear in the report.



Selecting a configurable form with unsupported elements will prevent the repeatable form from loading on the report. See the **Unsupported Elements** section above for more information.

8. **Optional:** From the **Select Form Title** dropdown menu, select which object property will be used as the form title. If you didn't select a form in step 7 above, skip this step.

SELECT FORM TITLE

Requirement

Name ▼

☐ Add page break before each new form title

The Select Form Title section.

9. **Optional:** Select the **Add page break before each new form title** checkbox to ensure each instance of the form starts on a new page when the report is exported to PDF. If no form title was selected in step 8 above, a page break is still inserted

before each instance of the form when this option is selected. If you didn't select a form in step 7 above, skip this step.

10. Repeat steps 6-9 above to add more forms and titles for additional object types.

11. Click the **Parameters** tab.

The screenshot shows the 'Parameters' tab of a report configuration interface. At the top, the 'Data series' is set to 'Location - Involved Location - Incident'. Below this are three tabs: 'Data Type', 'Forms', and 'Parameters', with 'Parameters' being the active tab. The main section is titled 'SELECT A RELATIONSHIP' and contains a dropdown menu currently showing 'Anchor'. Below this is a section titled 'DEFINE PARAMETERS' with the subtitle 'The selected parameters will filter the data presented in your table'. This section contains two parameter groups: 'By Location: Workflow' and 'By Country', each with a dropdown menu currently showing 'Select one...'.

The Parameters tab.

12. Choose an object type from the **Select a Relationship** dropdown menu. The relationship selected here will determine which parameters (filters) you can apply to the form to refine the data that's displayed.



You can add parameters from an object type in the data series even if that object type isn't configured to display any forms in report.

13. Below **Define Parameters**, select one or more parameters to filter the data displayed in the report. Options include:

- [Workflow states](#) ;
- [Select list](#) options;
- [Formula](#) ranges (e.g. High, Medium, Low);
- By [Current User](#) . When one or more roles are selected in this parameter, only users within those roles can view the data in the table. This feature is useful to create customized reports for specific users. The available roles are determined by the object types in the table's [data series](#) ; or
- By [Date & Time Field](#) or [Created On/Modified On](#) properties. Selecting a range in the **By [Date Field]** dropdown

menu will filter the data relative to the value selected in the [Date & Time](#) field on the objects. Selecting a range in the **By Created On ([Object Type Name])** or **By Modified On ([Object Type Name])** dropdown menus will filter the data relative to the date the objects were created or modified. All date-related options filter data in UTC time. It's recommended a date parameter is used to refine large data sets for improved report performance. Options include:

- **Today:** Show data from today's date only.
- **Last [X] Days:** Show data within the last 30, 60, 90, or 180 days, relative to today's date.
- **Custom:** Shows data within the dates selected in the **From** and **To** fields. The table will include objects up to the end of that date.

14. Repeat steps 12 and 13 above to add more parameters from additional object types.
15. To remove a select list, formula, or role parameter, click the **x** icon beside parameter. To delete a date parameter, click the field, then press the **Backspace** or **Delete** key on your keyboard.
16. Click **Done** to close the **Edit Repeatable Form** palette.
17. Repeat the steps above to continue adding more repeatable forms to the report as needed. Once multiple elements are on the **Report Canvas**, you can rearrange them by hovering your cursor over the element, then clicking the  icon and dragging the element to a new location on the canvas. To delete an element, hover your cursor over it on the canvas, then click the  icon.

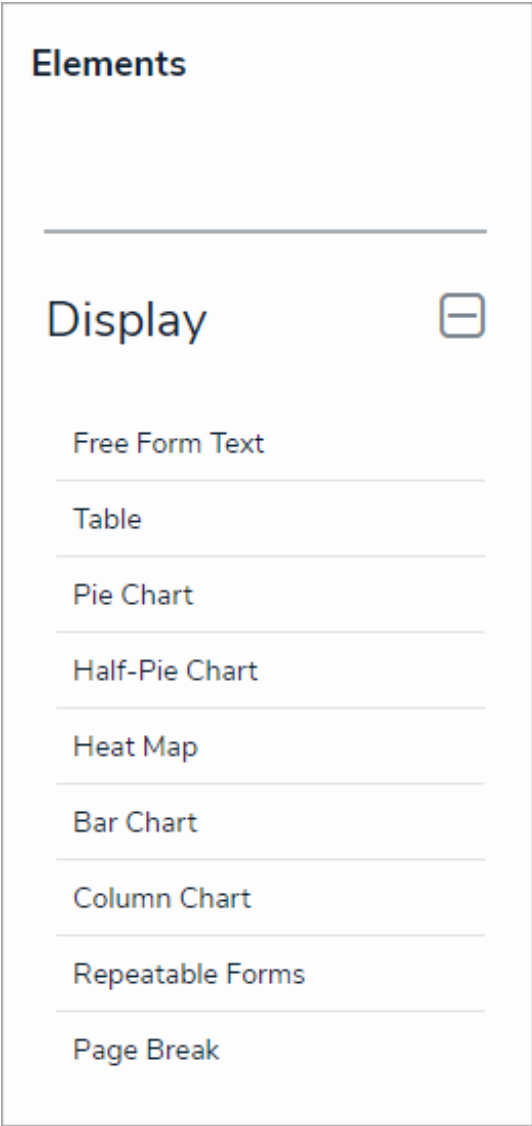
Add Page Breaks to a Report

The **Page Break** element breaks the page based on where an admin placed the element on the report canvas. This element has no effect on reports displayed in view, but it ensures [printed](#) and [exported](#) reports are displayed as required.

Instructions

To add a page break to a report:

1. In the **Elements** section, click the  icon beside **Display**.



The Elements section.

2. Drag and drop **Page Break** from the **Elements** section to the **Report Canvas**.
3. Hover your cursor over the **Page Break** element to show the  icon, then click and drag the element to the desired location on the canvas.



The Page Break element on the canvas.

- Repeat the steps above to continue adding more page breaks to the report as needed. To delete an element, hover your cursor over it, then click the  icon.

Add Filters to a Report

A data visualization **filter** is an optional feature that allows end users viewing a report to narrow down which data is displayed by applying one or more filters selected by an administrator. The filter options an administrator can make available to end users are determined by the object types selected in the report's data definition(s). If an admin marks a filter as **Required**, users must select a value for that filter on the **Filters** page before loading the report, otherwise users have the option to apply filters after the report has loaded. For more information, see the [View a Report](#) article.

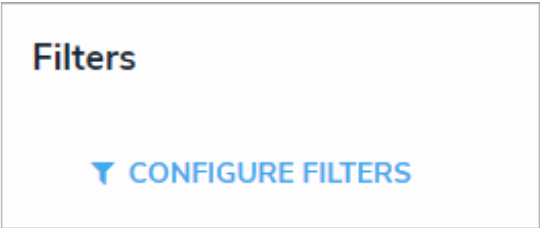


The **Filters** feature is not available on **data grids**.

A required filter on the Filters screen.

To add filters to a report:

1. In the **Filters** section, click **Configure Filters**.



The Filters section.

2. From the **Configure Filters** palette, select one or more of the following filter options
 - **State:** Filters the report data by the objects' current **workflow state** .
 - **Role:** Filters report data by users or user groups in explicit **roles** that have been granted direct access to objects from the report's **data definition** .

A report element's **data series** determines if the **Roles** filter can be



applied. In other words, if the role hasn't been added to the object types in the data series selected for a table, chart, heat map, or repeatable form, that role filter cannot be selected.

- **Date & Time/Select List:** Filters the report data by [date and time](#) and/or [select list](#) fields.
 - **Formula:** Filters the report data by [formula](#) label.
 - **Relationship:** Displays report data from a selected [relationship](#) object type and any related [reference](#) object type. For example, selecting the Risk 1 object type as a filter will also display all the Control objects that Risk 1 appears on through a relationship.
 - **Object Type:** Displays report data from a selected object type or objects types.
3. **Optional:** Select the **Required** checkbox beside a filter. If the **Required** checkbox is selected for any filter, users must select a value for that filter before loading the report.

Issue Resolution Date

☒ Required

ISSUE

DATE & TIME

A required filter.

4. Click the  icon when finished.

Add Parameters to a Report

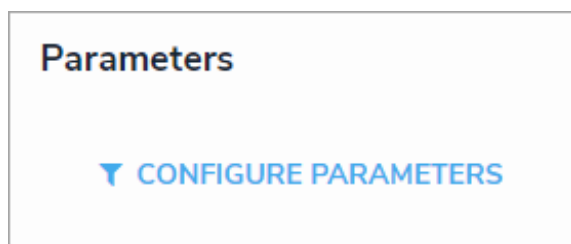
A report **parameter** controls the data displayed in a report and **all** its elements. As parameters rely on the [data series](#) selected in the element(s), parameters cannot be applied until one or more [report elements](#) have been added to the **Report Canvas**.

Only administrators can configure or apply parameters to reports.

Instructions

To add parameters to a report:

1. In the **Parameters** section of the **Edit Report** page, click **Configure Parameters**.



The Parameters section.

2. Select a [data series](#) from the **Select Data Series** dropdown menu, which will determine which options are available in the remainder of the fields in the palette. If no options are appearing in this dropdown menu, ensure that at least one [report element](#) has been added to the **Report Canvas**.
3. Choose either the anchor object type (report focus), relationship, or reference from the **Select a Relationship** dropdown menu.

CONFIGURE PARAMETERS

SELECT DATA SERIES

Incidents by Location

SELECT A RELATIONSHIP

Incidents at this location

Incidents at this location
REFERENCE
LOCATION

Anchor

Select one...

Choosing a relationship from the selected data series.

4. Select one or more roles from the **By Role ([Object Type Name])** dropdown menu, if required. Only users in the role(s) selected in this field can view the report and its elements.

CONFIGURE PARAMETERS

SELECT DATA SERIES

Incidents by Location

SELECT A RELATIONSHIP

Anchor

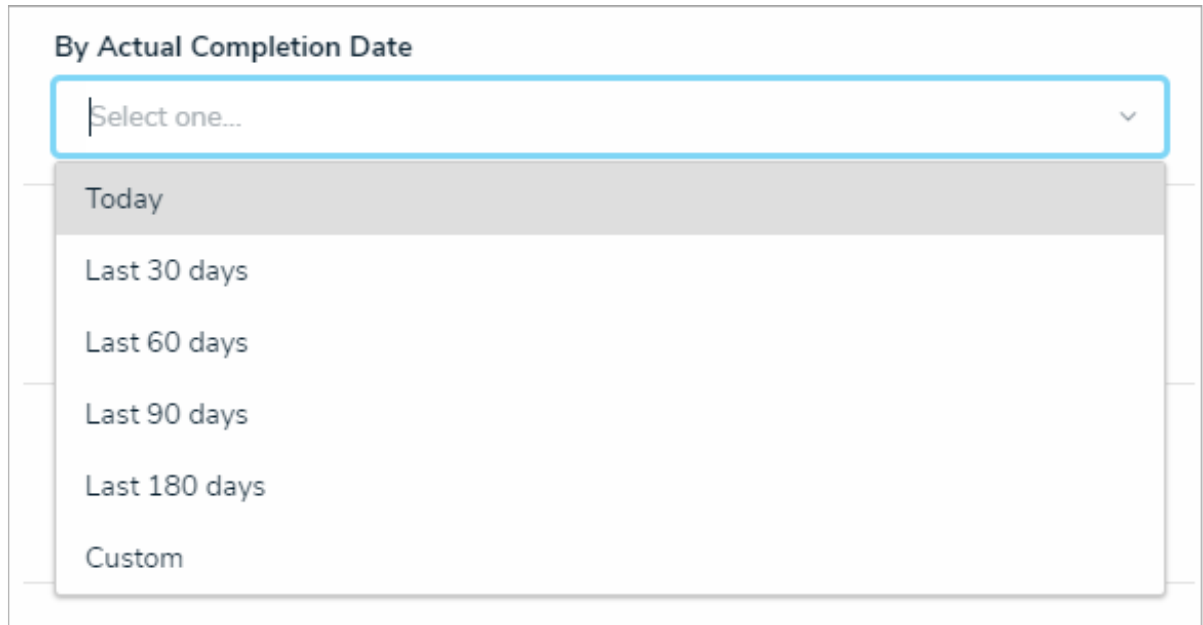
By Role (Location)

Managers

The Configure Parameters palette with a role selected.

5. Click the **By [Date Field]** dropdown menu to select a range to filter the data relative to the values selected in the **Date & Time** field on the objects. Click the **By Created On ([Object Type Name])** or **By Modified On ([Object Type Name])** dropdown menus to select a range to filter the data relative to the date the objects were created or modified. All date-related options filter data in UTC time. It's recommended a date parameter is used. Options include:

- **Today:** Show data from today's date only.
- **Last [X] Days:** Show data within the last 30, 60, 90, or 180 days, relative to today's date.
- **Custom:** Shows data within the dates selected in the **From** and **To** fields. The report or data grid will include objects up to the end of that date.

A screenshot of a dropdown menu titled "By Actual Completion Date". The menu is open, showing a list of options. The first option, "Today", is highlighted with a grey background. Below it are "Last 30 days", "Last 60 days", "Last 90 days", "Last 180 days", and "Custom". The dropdown is enclosed in a light blue border.

A date parameter.

6. To remove the parameter, click the **x** icon beside the role(s) in the **By Role** dropdown menu. To remove a date parameter, click the field, then press the **Backspace** or **DELETE** key on your keyboard.

7. Click the  icon in the top-right of the palette when finished.

View a Report

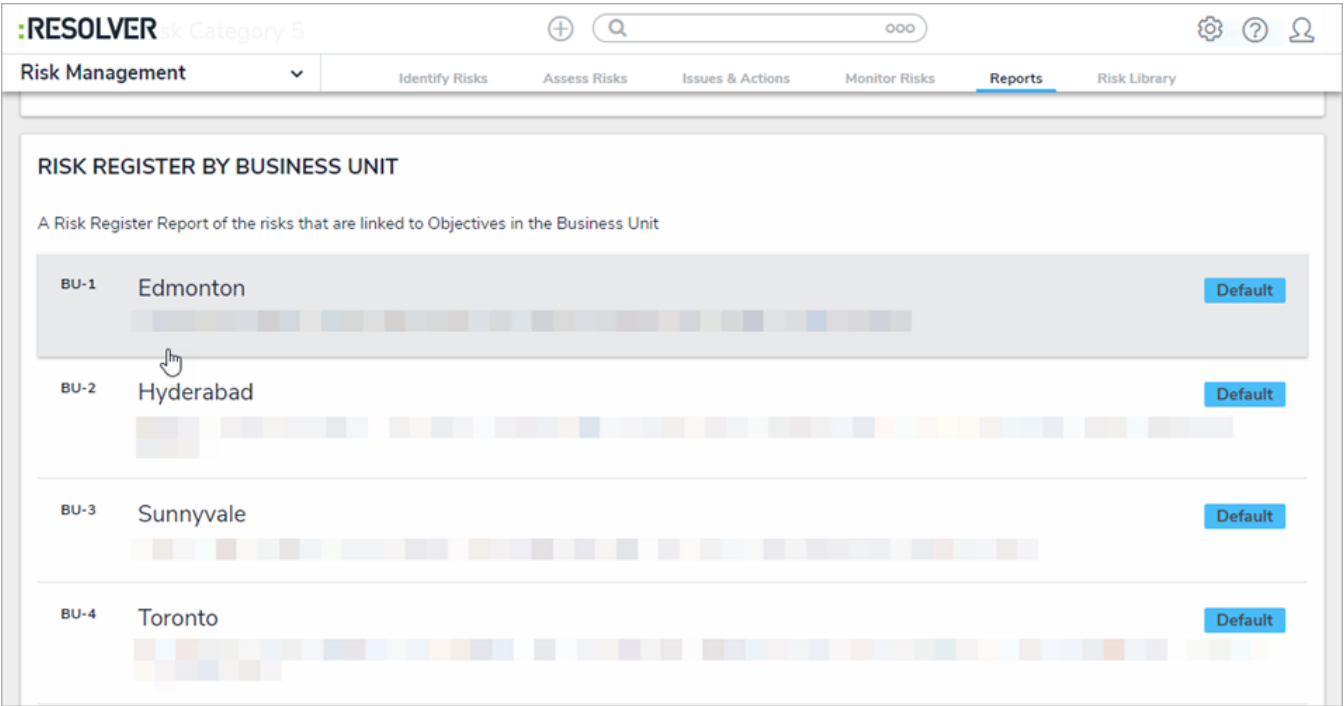
Before a report can be viewed, an administrator must first [create it](#) and add it to a [view](#) in an application. The data you can view in a report depend on your role's [permissions](#) and the report's configurations in the administrative settings.

For information on viewing a data grid or data export report, see the [View a Data Grid](#) and [Export Object Data from a Data Analytics Report](#) articles. For information on exporting a report, see the [Export a Report](#) article.

Instructions

To view a report:

1. Navigate to the application and activity where the report is saved.
2. Click an [anchor \(root\) object](#) in the view to open the report.



Clicking on an anchor object to open a report.

3. If a filter has been marked as [required](#) by an administrator:
 - a. Apply all required filters by clicking them and selecting an option. If the filter is a search field, begin typing keywords to display a list of available options, then click to select the appropriate value.
 - b. Apply additional optional filters as required.
 - c. Click **Run Report**.

:RESOLVER

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Reports
Enterprise Risk
Incident
Compliance Management
Data Grid

Risk Results by Risk Category

Your report must be filtered prior to launch. To do so, please fill in all required filters and then click 'Run Report'.

Residual Likelihood - Risk

Select one... ▼

Inherent Likelihood - Risk Required

Select one... ▼

Actual Completion Date - Risk

📅 FROM ▼

📅 TO ▼

Risk

Select one... ▼

Risk Sub Category

Select one... ▼

Business Unit: VP/Director

Start typing to find Us... ▼

Risk: Risk Owner

Start typing to find Us... ▼

Risk Sub Categories with Risks

Q Select one... ▼

Risk Assessment with Business Unit

Q Select one... ▼

CANCEL

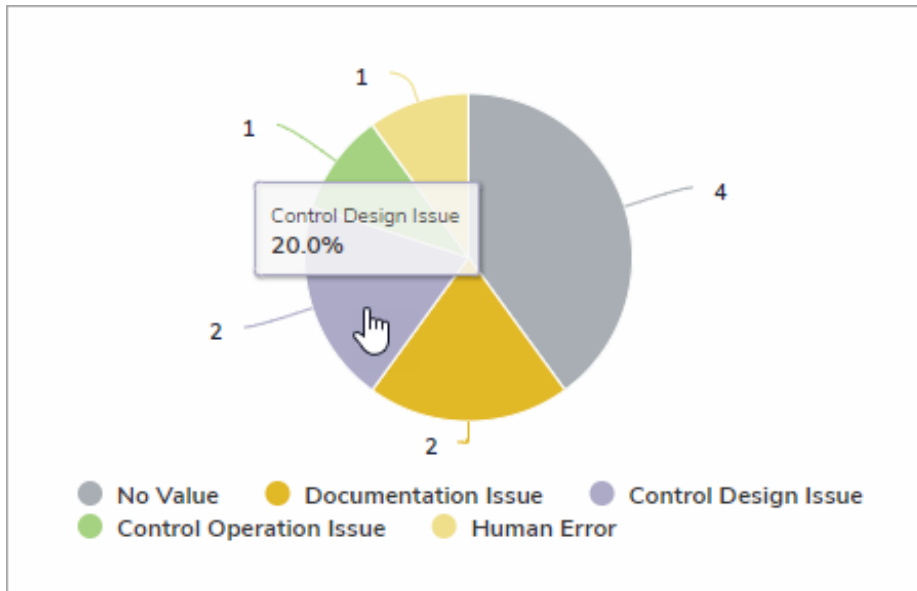
RUN REPORT

Filters are displayed before a report is loaded if an administrator has marked a filter as required.



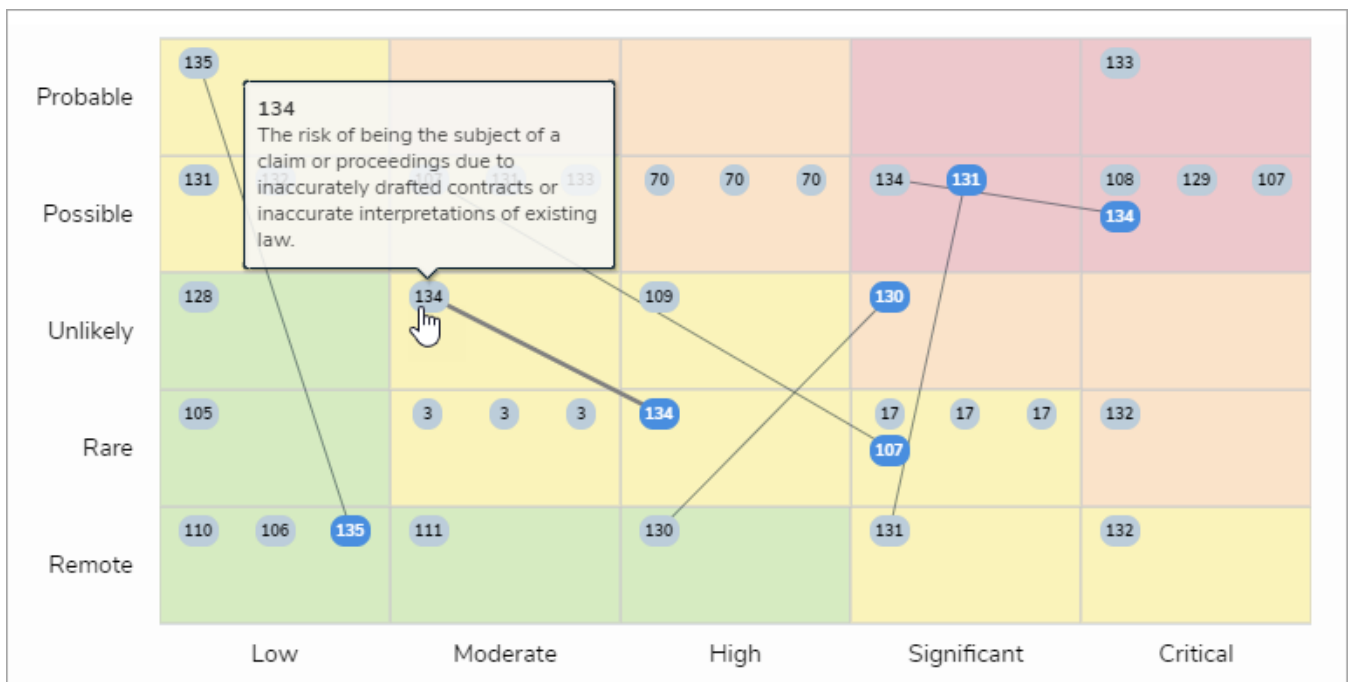
If configured by an administrator, filters can also be applied after the report is loaded. See step 9 below for more information.

- If the report includes a bar, column, or pie chart, hover your cursor over the chart for more information about the data. Clicking on a section of a pie chart will separate it from the rest of the chart for emphasis.



Hovering your cursor over bar, column, or bar chart will display additional information.

5. If the report includes a heat map, hover your cursor over the objects on the heat map (represented by circles and identified by their unique IDs) to display the object's description. Click the object view and/or edit it in a palette. [New screenshot.](#)



Hovering your cursor over an object in a heat map will display the object's description while clicking the object will open it in a palette.

6. If the report includes a table:
 - a. Click a cell to open the associated object in a palette.
 - b. Click a column to sort the data in the table.
 - c. Click **Next** or **Previous** at the bottom of the table to scroll through any additional pages.
 - d. Enter search terms in the **Search Table...** field to narrow down which data is displayed.

2017 Audits							
				Search Table...			
Audits Name	Audit state	Audit Scope	Estimated Timing ▲	Audit Budget Hours	Internal Auditor	Audit Client	
Procurement Audit	Reporting	The audit scope defines what part of the organization will be audited. If the full audit is divided in smaller segments then the scope of any given segment is what portion of the organization will be audited at that time. Typically, Internal Audit prepares and Audit Plan for the year which will indicate the various divisions or activity and when it will be audited. Also noted in the audit program is the audit objective(s). The audit objective describes why an audit is being conducted. Another reason is demonstrate conformance to others. Although audits may appear in their own right to be "good practice", it is essential that auditors have a clear concept of what the general objectives of such audits are.	Q1 2017				
AML Compliance Audit	Closed	Determine the effectiveness of AML controls throughout the organization.	Q1 2017				
New system integration audit 12	Reporting	In order to give assurance that the Department/agency operates effectively, it is essential to carry out some form of monitoring activity in addition to ongoing monitoring and measurement. Listed below are some of the potential benefits of Internal Auditing:	Q1 2017				
Mortgages Audit	Planning	The auditor will start by reviewing your approval criteria for new mortgages to ensure that none of your practices are discriminatory and the risk level is appropriate. He will typically make a list of the minimum requirements for credit, income, appraisal value, debt-to-income ratio and any other key metrics your company uses for evaluation. This will be used as a reference for reviewing individual loan applications later in the audit.	Q3 2017	40			

Clicking on a cell in a table will display the associated object in a palette, while clicking on a column header will sort the data in the table.

- If the report includes a repeatable form, you can view read-only, [printer-friendly](#) versions of object data as it was entered onto a configurable form.

Print

Total: 20 sheets of paper

PrintCancel

Destination

Microsoft Print to PDF

Change...

Pages

All

e.g. 1-5, 8, 11-13

Layout

Portrait

Color

Color

More settings

Print using system dialog... (Ctrl+Shift+P)

12/10/2018

Resolver

Total Loss Amount

Total Recovered Amount

Net Loss

\$200.00

\$500.00

Minimal : -\$300.00

Losses & Recoveries

Loss or Recovery Type	Name	Quantity	Value (\$)	Total Loss Amount	Total Recovery Amount
Recovery	Incident Recovery Item	1	500	Low: \$0.00	\$500.00
Loss	Incident Loss Item	1	200	Low: \$200.00	\$0.00

Reviews & Assignments

Incident Tasks

Name	Task Type	Assigned Date	Workflow State
Task Sample 10	Logistics	July 2, 2018	Overdue
Task Sample 9	Interview	July 2, 2018	Overdue
Task Sample 8	Approval	July 2, 2018	Overdue
Task Sample 7	Adjust Record	July 2, 2018	Closed
Task Sample 6	Surveillance	July 2, 2018	Closed
Task Sample 5	Collaboration	July 2, 2018	Overdue
Task Sample 4	Logistics	July 1, 2018	Overdue
Task Sample 3	Interview	July 1, 2018	Closed
Task Sample 2	Training	July 1, 2018	Closed
Task Sample 1	Collaboration	July 1, 2018	Closed

Record Security & Audit

Incident Supervisor

Additional Access

Created By

Created On

Modified By

Modified On

CS-2018-11-26-25 CSSE

Incident Name

Title

Description

Incident Severity

Incident Status

Medium

Review

https://alpha.staging.resolver.com/#/applications/8be98a96-08dd-4212-920d-d7655f40e490/activities/60755a59-f1f4-4108-a077-2e1a966a9e0e/repor... 4/20

Printing a repeatable form.

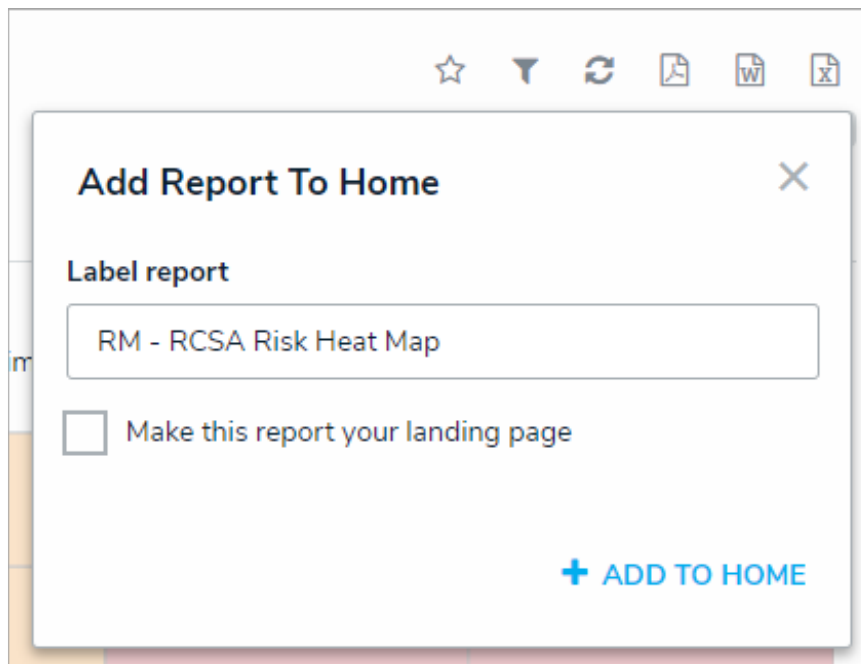


Any repeatable forms with unsupported elements will not display any object data, resulting in an error message. See the [Add Repeatable Forms to a Report](#) for a list of unsupported elements or contact your administrator.

8. To star a report (create a tab for the report in the [nav bar](#)):



- Click the  icon at the top-right corner of the report to open the **Add Report To Home** window.
- If needed, enter a custom name for the tab in the **Label report** field. The report's name, as saved by an administrator, appears in this field by default.



The Add Report To Home window.

- c. Select the **Make this report your landing page** checkbox if you want this report to replace the [My Tasks](#) tab or another report tab as the home page. To revert back the home page back to **My Tasks**, deselect the checkbox.
- d. Click **Add To Home** to finish.
- e. To delete the tab from the nav bar, click the  icon, then click **Remove From Home**.



For more information on reports added to tabs, see the [Searched Reports](#) article.

9. To apply [filters](#) to a report (if configured by an administrator):

- a. Click the  icon at the top-right corner of the report to open the **Filters** palette. When a report is displayed with filters applied, the filter icon will appear with a red dot ().
- b. Apply the following filters types as needed. Note that some or all of these sections may be blank if these filter types have not been added to report by an administrator:
 - **State:** Filters the report data by the objects' current [workflow state\(s\)](#) .
 - **Role:** Filters report data by users or user groups in explicit [roles](#) that have explicit that have been granted direct access to objects from the report's [data definition](#) .
 - **Date & Time/Select List:** Filters the report data by [date and time](#) and/or [select list](#) fields.
 - **Formula:** Filters the report data by [formula](#) label(s).
 - **Relationship:** Displays report data from one or more selected [relationship](#) object types and any related [reference](#) object types. For example, selecting the Risk 1 object type in this filter will also display all the Control objects that Risk 1 appears on through a relationship.
 - **Object Type:** Displays report data from one or more selected object types. [New screenshot](#).

FILTERS

×

Residual Impact - Risk

Select one... ▾

Inherent Likelihood - Risk

Select one... ▾

Residual Likelihood - Risk

Select one... ▾

Control Effectiveness - Risk

Select one... ▾

Inherent Impact - Risk

Select one... ▾

Residual Risk Score

Select one... ▾

Inherent Risk Score

Select one... ▾

CANCEL

APPLY FILTER

The Filters palette.

c. Click **Apply Filter** to close the palette and reload the report.

d. To remove a filter, click the  icon at the top-right of the report, click the **x** beside the filter you wish to remove, then click **Apply Filter** to close the palette and reload the report.

10. To refresh the data displayed in the report, click the  icon. See the [Loading & Caching Report Data](#) article for more information on refreshing and reloading.

Export a Report

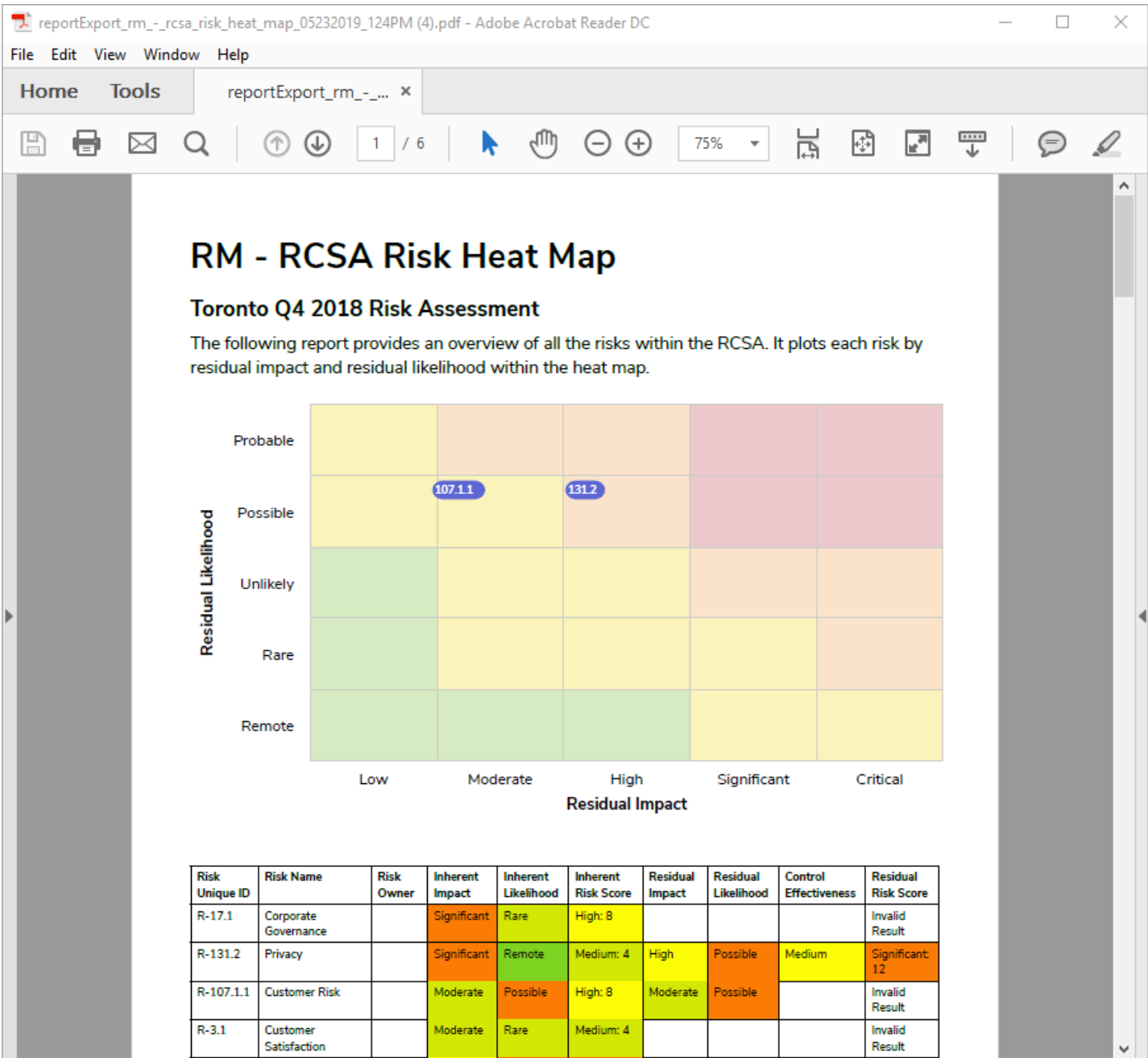
Report data can be exported into downloadable PDF, Word document, and spreadsheet files. However, there are some restrictions, depending on the file format and element type. All links and file attachments are disabled in exported report files.



Exported report data is **cached** based on the last time the report was loaded. To ensure the files reflect the most recent data, click the refresh icon on the report or refresh your browser before exporting.

PDFs

Tables, charts, heat maps, repeatable forms, and free form text can be exported into a PDF file. The PDF file will reflect any **page breaks** added to the report canvas by an administrator.



A heat map and table exported into a PDF file.

Word Documents or Spreadsheets

Only table reports can be exported into a document or spreadsheet. If the report contains other report elements, only the table data will be exported.

Risk Results by Risk Category
App Base on Core 2.5
 LONDON OFFICE
 Last Updated: May 24, 2019 10:20 AM (America/Denver)

Risk Unique ID	Risk Name	Risk Owner	Inherent Risk Score	Residual Impact	Residual Likelihood	Residual Risk Score
R-135.1	New Litigation & Arbitration		High: 5	Moderate	Remote	Medium: 2
R-134.1	Legal		Significant: 16	Significant	Probable	Critical: 20
R-133.1	<u>Labour</u>		Critical: 25			Invalid Result
R-132.1	Financial Reporting		Medium: 4			Invalid Result
R-131.1	Privacy new		Medium: 4			Invalid Result
R-130.1	New Strategy misalignment with Regulations		Medium: 3	High	Possible	Invalid Result
R-129.1	<u>Jursidictional</u> Regulations		Critical: 20			Invalid Result
R-128.1	Industry Regulation		Medium: 3			Invalid Result
R-111.1	Policy Compliance		Medium: 2			Invalid Result
R-110.1	Channel effectiveness		Low: 1			Invalid Result
R-109.1	Logistics		High: 9			Invalid Result

578 words

A table exported into a Word document.

Risk Unique ID	Risk Name	Risk Owner	Inherent Risk Score	Residual Impact
R-135.1	New Litigation & Arbitration		High: 5	Moderate
R-134.1	Legal		Significant: 16	Significant
R-133.1	Labour		Critical: 25	
R-132.1	Financial Reporting		Medium: 4	
R-131.1	Privacy new		Medium: 4	
R-130.1	New Strategy misalignment with Regulations		Medium: 3	High
R-129.1	Jursidictional Regulations		Critical: 20	
R-128.1	Industry Regulation		Medium: 3	
R-111.1	Policy Compliance		Medium: 2	
R-110.1	Channel effectiveness		Low: 1	
R-109.1	Logistics		High: 9	
R-108.1	Partners & JV's		Critical: 20	
R-107.1	Customer Risk		Critical: 20	
R-106.1	Disentanglement		Low: 1	
R-105.1	Vendor Risk		Low	
R-104.1	Facilities Management		Low	
R-103.1	Physical Access		Low	
R-102.1	Employee relations (union-bas		Low	
R-101.1	Social Media		Low	
R-100.1	Human rights / Defamation		Low	
R-99.1	Unfair Dismissal		Low	
R-98.1	Harassment & Assault		Low	
R-97.1	Discrimination		Low	
R-96.1	Leadership		Low	
R-95.1	Culture		Low	
R-94.1	Communication		Low	
R-93.1	Work Environment		Low	

A table exported into a spreadsheet.

Timestamps & Caching

Reports display the time and date the report was last updated/loaded **based on the current user's local timezone**. This timestamp appears on exported files and is updated when the report is reloaded or refreshed. To ensure your exported report files reflect the

most recent data, click the  icon on the report or refresh your browser before exporting. See the [Loading & Caching Report Data](#) article for more information.

Instructions

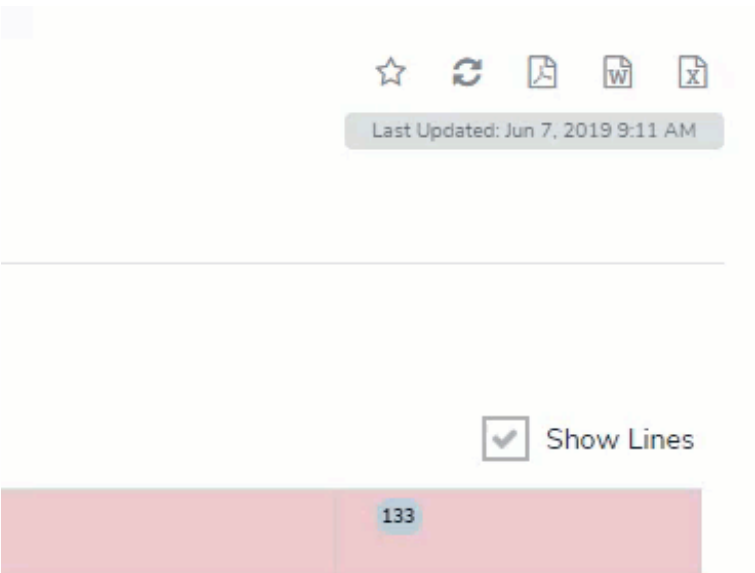
To export report data:

1. Navigate to the report you wish to export.
2. Click the  icon to **reload** the report and refresh the data, if required.



The refresh and export icons at the top-right of a report.

3. Click one of the following icons:
- Click the  to export all report data into a PDF file.
 - Click the  icon to export a report table into a Word document.
 - Click the  icon to export a table report into a spreadsheet.



An ellipsis is displayed in place of the icon while the export file is generated.

Once clicked, the selected icon will be replaced with an ellipsis while the export file is generated. Depending on the amount of data displayed in the report, there may be a delay before the download is initiated and completed. Navigating away from the report page while the file is being generated will cancel the export.

4. Click the file at the bottom of your browser to open the file and save it.

Data Analytics Export Overview

Data Analytics Export reports are data visualizations that are specifically designed to allow end users to export object data (properties, fields, workflow states, relationships, and references) into an Excel spreadsheet. Although a data analytics report requires a [data definition](#) , this data visualization type does not display any report elements. Export reports can be accessed by end users through:

- An activity [view](#) ;
- An activity [action](#) ; or
- An [Export Data](#) form action.

As with other reports, a data analytics report requires a [focus eligible definition](#) to filter object type data; however, when generating this report, a specific **anchor object** (not to be confused with **anchor object type**) must be selected, either through a view, action, or form action, to specify which object's data is exported, including any data from relationship or reference object types selected in the data path. If the anchor object isn't named on any relationship or reference objects, the report will export anchor object data only.

Once the report is created, users can export data through an activity [view](#) or [action](#) or the [Export Data action](#) to a configurable form.

EXAMPLE

Using a data definition with Location as the anchor object type and Incident as a reference object type, a data analytics report is created and added to a view so that users can click on a specific location object, then export its data into a spreadsheet. Specifically, when a user clicks on the Montreal object in the Location Data Export view on an activity, they'll be able to export the data from that object's properties, fields, and workflow states, along with the data of all the incident objects Montreal has been added to through a relationship.

Location Data Export

ANALYTICS EXPORT

This tool is used to export all data defined by the below parameters into an Excel format that can be consumed by third-party analytics tools. Note: permissions are applied on export.

EXPORT DETAILS

Report Name: Location Data Export

Report Focus:

Location > Incident

Anchor Object: Montreal

CANCEL

 EXPORT TO EXCEL

A data analytics report in a view. Clicking the Export to Excel button will initiate download of the spreadsheet.

AutoSave Off Analytics.Export.Report.1790.Object.73.Oct.04.2017.2.33.PM.UTC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do Share

Clipboard Font Alignment Number Styles Cells Editing Box

BO22

	A	B	C	D	E	F	G	H	I	J	K	L	
1	Id	Object Type	Object Type	Workflow	Workflow	Name	Description	Unique	Created (U	Created By	Created By	Created By	Mod
2	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201	
3	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201	
4	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201	
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

Sheet1

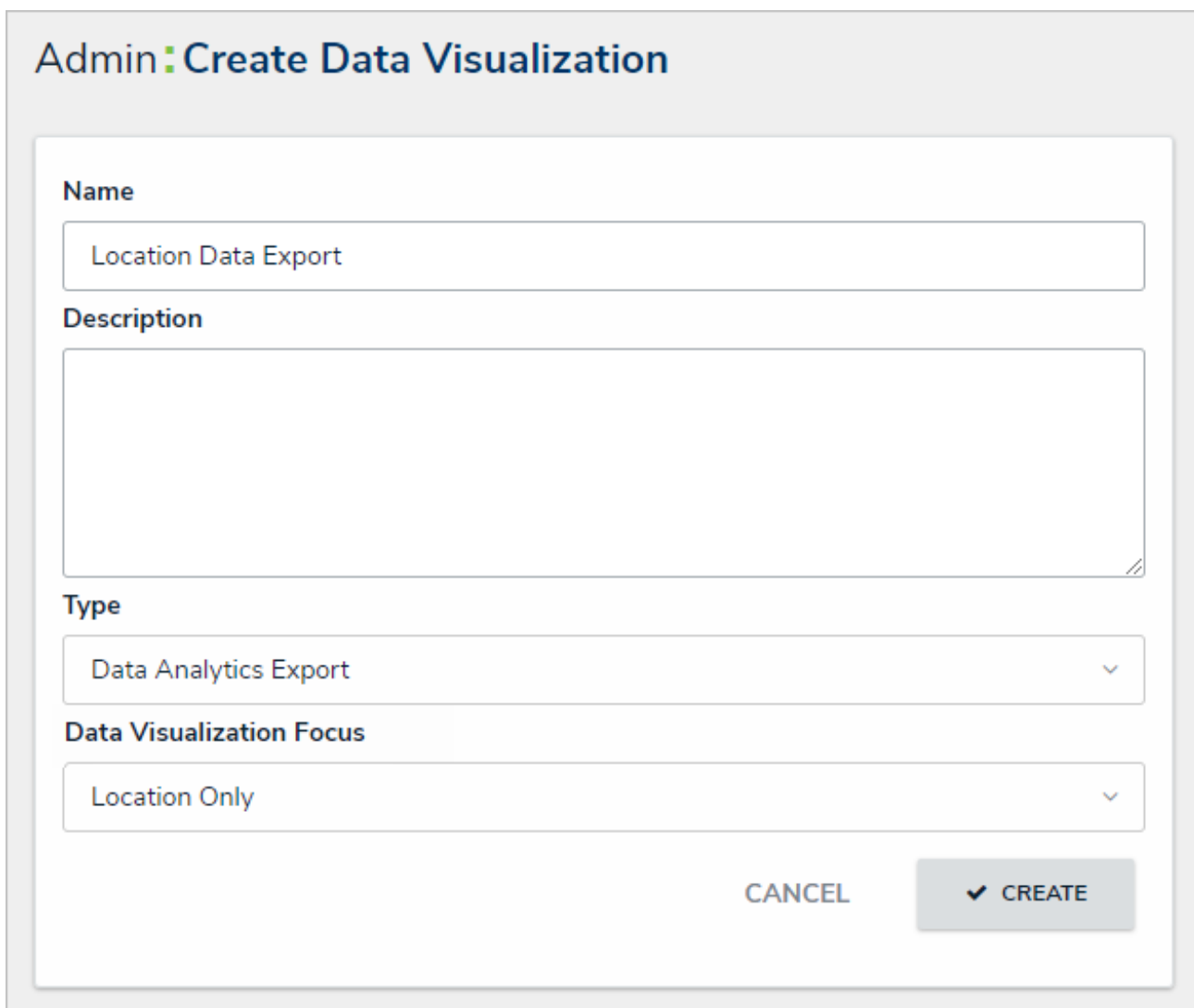
Ready 100%

Object data exported into a spreadsheet through a data analytics report.

Create a Data Analytics Export Report

To create a Data Analytics report:

1. Ensure the data definition you wish to use for the data analytics report has been created from the [Data Definitions](#) settings in **Administration**.
2. Click the  icon in the top bar > **Data Visualizations** in the **Views** section.
3. Click **Create Data Visualization**.
4. Enter the name of the report in the **Name** field.
5. **Optional:** Enter a description of the report. This description will appear below the report's name on the **Data Visualizations** page.
6. Select **Data Analytics Export** from the **Type** dropdown menu.
7. Select a [focus](#) from the **Data Visualization Focus** dropdown menu. For example, if you wish to create a report that will allow users to export Location data, you would select a report focus with the Location object type as the anchor.



Admin: Create Data Visualization

Name

Location Data Export

Description

Type

Data Analytics Export

Data Visualization Focus

Location Only

CANCEL CREATE

The Create Data Visualization page.

8. Click **Create** to display the **Edit Report** page. From here, you can edit the name of the report, however, if you wish to change the report focus, you'll need to delete the report and recreate it.

Admin

Edit Report

LOCATION DATA EXPORT



Report focus: Location Only

Anchor: Location

Data: Location



 DONE

The Edit Report page for a Data Analytics Export report.

Once the export report has been created, you can grant end users access to it by adding it to a [view](#) , [action](#) , or [Export Data](#) form action.

Export Object Data from a Data Analytics Report

Once a data export report has been created, it can be generated by end users through:

- An activity [view](#) ;
- An activity [action](#) ; or
- An [Export Data](#) form action.

Important Notes About Generating Export Reports

If an export report failed to generate for whatever reason, the application will continue trying to create the report for up to five (5) minutes after **Export** was clicked, using the data that was available at the time the export was initiated. If, after five minutes, the report has failed or timed out, Core will pull a new set of data available from the next five-minute increment and will continue to do so until the report is created.

For example, if a user clicked **Export** at 1:00 pm and the report was interrupted, the application will try again to create a report that contains the data that was available at 1:00 pm. If the report is still not generated by 1:05 pm, Core will attempt to create the report using the data that was available at 1:05, instead of 1:00, when the export was originally initiated.

Also note that the **Export** button will be grayed out while the report is generating.



If the exported object has a file attachment field, only the number of files attached will be exported into the spreadsheet. If the object contains an image attachment field, it will display only a 0 (for no image attached) or a 1 (one image attached) as only one image can be attached per image attachment field.

Location Data Export

ANALYTICS EXPORT

This tool is used to export all data defined by the below parameters into an Excel format that can be consumed by third-party analytics tools. Note: permissions are applied on export.

EXPORT DETAILS

Report Name: Location Data Export

Report Focus:

Location > Incident

Anchor Object: Montreal

CANCEL

 EXPORT TO EXCEL

A data analytics report as it's displayed to end users after clicking an object in a view or clicking the Export Data form action button on the object.

Analytics.Export.Report.1790.Object.73.Oct.04.2017.2.33.PM.UTC.xlsx - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing Box

BO22

	A	B	C	D	E	F	G	H	I	J	K	L
1	Id	Object Type	Object Type	Workflow	Workflow	Name	Description	Unique	Created (U)	Created By	Created By	Created By
2	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201
3	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201
4	73	1857	Location	8050	Default	Montreal		1	2016-11-16	1212	Eva Luckett	evaluckett@201
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												

Sheet1

Ready 100%

An analytics report for the Location object.

Activity View

To export object data through a **Data Export** view in an activity, open the activity from the top bar, click an object in the view to display the report page, then click **Export to Excel** to automatically download the report through your browser.

EXPORT LOCATION DATA

L-1

Montreal



Default

L-2

Los Angeles

Default

L-3

New York

Default

L-4

Edmonton

Default

L-5

Toronto

Default

Form Action

To export object data using the **Export Data** form action, open the object, click the customized button on the configurable form to display the report page, then click **Export To Excel** to automatically download the report through your browser.

Location Review

Montreal

L-1

Location Name

Montreal

Incidents at this location

HP/Accident 2016/9/21



SB/Accident 2016/09/14



KD/Lost 2016/04/02



Address

123 Street Avenue
Montreal, QB, 1A1 A1A

EXPORT LOCATION DATA

An object with the Export Data form action. In this case, clicking the Export Location Data button will display the export report page for the Montreal object.

Activity Action

To export object data through an action, open the activity from the nav bar, click the action button to display the report page, select an object from the **Anchor Object** dropdown menu, then click **Export to Excel** to automatically download the report through your browser. The objects that appear in the dropdown menu are determined by the report's [data definition](#) and your [role's permissions](#).

DATA ANALYTICS REPORTS



EXPORT LOCATION DATA

A Export Data form action button in an activity.

Location Data Export

ANALYTICS EXPORT

This tool is used to export all data defined by the below parameters into an Excel format that can be consumed by third-party analytics tools. Note: permissions are applied on export.

EXPORT DETAILS

Report Name: Location Data Export

Report Focus:

Location > Incident

Anchor Object

Search...

L-6 Edmonton

L-7 Montreal

L-5.1 New York

L-9 Toronto

Selecting an anchor object in an export data action in an activity.

Data Grid Overview

A **data grid** is a data visualization that displays object data in a spreadsheet-style format. Users accessing a data grid through a view can sort, filter, and edit data, as well as show or hide columns, click through pages, and adjust column width or the number of rows displayed per page. For more information on accessing the grid as an end-user, see the [View a Data Grid](#) article.

The following data can be selected to appear in a grid:

- **Properties:** The objects' properties, including Name, Unique ID, Description, External Reference ID, Created By, Created On, Modified By, Modified On, and [Assessment Dimensions](#).
- **Fields:** The values in the objects' text, numeric, date and time, and single and multi-select list fields. Depending on the user's workflow permissions, fields can be edited if they're not marked as read-only.
- **Relationships/References:** The names of [relationship](#) or [reference](#) objects.
- **Workflow State:** The current [workflow state](#) of the objects.
- **Roles:** Displays the users who have been added to an object via the [role](#) field on a form.
- **Assessment Type:** The name of related [assessment object types](#) as they're saved in the administrative settings.

You can also apply **parameters** that use workflow states, formula ranges, select list options, dates, or roles to filter what data is displayed on the grid. Parameters can be applied using any of the relationships saved to the grid's selected [data definition](#) .

London Office		86 results < Page 1 of 4 25 rows >  					
Risk Unique ID	Risk Name	Risk Description	Risk Status	Control Effectiveness	Inherent Likelihood	Inherent Impact	Controls
R-135.1	New Litigation & Arbitration	Inability to effectively monitor	Risk Assessment	 Non Existent	 Probable	 Low	Management approval for contracts
R-134.1	Legal	The risk of being the subject of a claim or proceedings due to inaccurately drafted contracts or inaccurate interpretations of existing law.	Risk Monitoring	 Non Existent	 Possible	 Significant	Risk assessment efforts are subject to review
R-133.1	Labour	Labor regulations are not followed leading to excessive fines and penalties.	Risk Monitoring	 Non Existent	 Probable	 Critical	People and IT recovery process
R-132.1	Financial Reporting	Existence of financial information that is incomplete, inaccurate, improperly valued, controlled, reconciled, monitored, or reported.	Risk Assessment	 Strong	 Possible	 Low	Establish and distribute a standard operating and procedures manual
R-131.1	Privacy new	Ensuring privacy/identity management and information security/system protection may require significant resources for us change jdhsdn	Risk Monitoring	 Strong	 Possible	 Low	Service agreements are maintained for hardware and software
R-130.1	New Strategy misalignmen t with	The risk that execution of business strategies will be impaired by failing to effectively manage the interests and/or meet the expectations of government and	Assign Risk Owner	 Weak	 Remote	 High	Risk assessment efforts are subject to review
R-129.1	Jursidictional Regulations	The risk of failing to comply with prescribed policies and procedures, laws, regulations, directives, or contractual obligations exposes the organization to unnecessary	Assign Risk Owner	 Strong	 Possible	 Critical	
R-128.1	Industry Regulation	The risk of failing to comply with prescribed policies and procedures, laws, regulations, directives, or contractual obligations	Assign Risk Owner	 Excellent	 Unlikely	 Low	

A data grid as it appears to end-users in a view.

Create a New Data Grid

Note that the following features are not currently functional when configuring a data grid:

- The **Description** field on the **Create a Data Visualization** and **Edit Data Grid** pages;
- The **Show SUM totals for all numeric columns** checkbox in the **Columns** tab in the **Edit Data Grid** palette; and
- The **Configure Filters** option in the **Edit Data Grid** page.



You can create custom data grids for the currently logged in user (e.g. My Incidents or My Risks) by applying the **Current User** parameter to the data grid element. See step 24 below for more information.

To create a data grid:

1. Ensure the data definition you wish to use for data grid has been created from the [Data Definitions](#) settings in **Administration**.
2. Click the  icon in the top bar > **Data Visualizations** in the **Views** section.
3. Click **Create Data Visualizations**.
4. Enter the name for the data grid in the **Name** field.
5. Select **Data Grid** from the **Type** dropdown menu.
6. Select one or more [focuses](#) from the **Data Visualization Focus** dropdown menu.

Admin

Create Data Visualization

Name

Data Grid

Description

Type

Data Grid

Data Visualization Focus

Business Unit, RCSA, Risk Category, Risk Sub-Category, Risks*

CANCEL

✓ CREATE

The Create Data Visualization page.

7. Click **Create** to display the **Edit Data Grid** page.

Admin: **Edit Data Grid**

data grid

Data Grid Focus: *Business Unit, RCSA, Risk Category, Risk Sub-Category*, Risks* Anchor: Business Unit Data: Risk

[+ ADD ANOTHER DATA GRID FOCUS](#)

Filters

[CONFIGURE FILTERS](#)

Parameters

[CONFIGURE PARAMETERS](#)

Elements

Display

Data Grid Canvas

The Edit Data Grid page.

8. **Optional:** Click **Add Another Data Grid Focus** to include another report focus definition. Depending on the data path, selecting another focus will provide more [data series](#) options to choose from when adding a data grid.

9. In the **Elements** section, click the  icon beside **Display**.

Elements

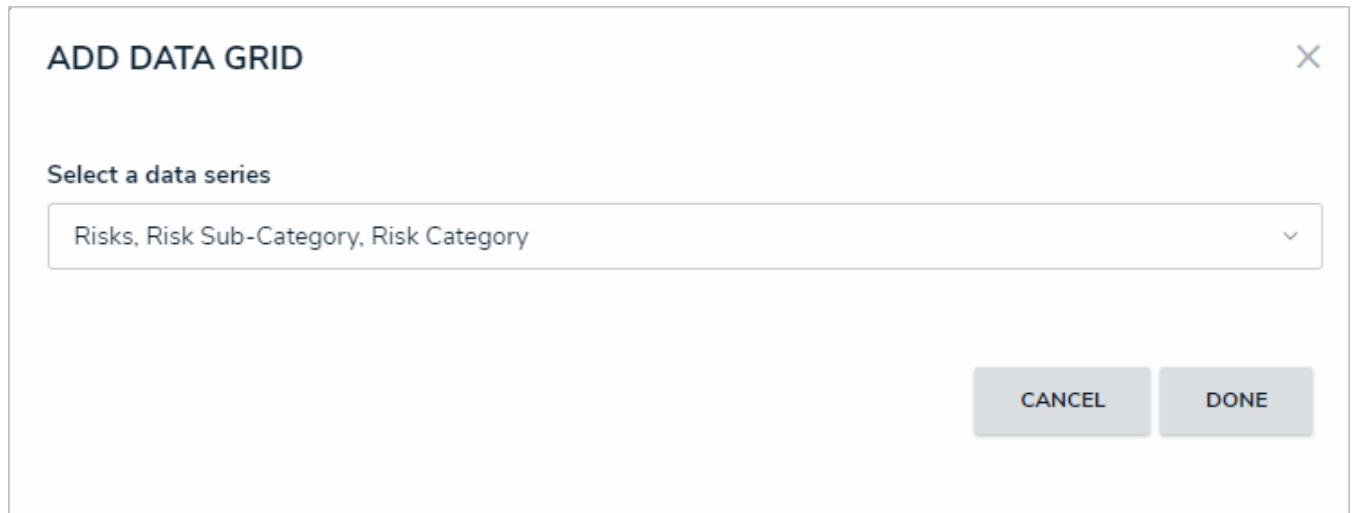
Display

Data Grid

The Elements section.

10. Drag and drop **Data Grid** from the **Elements** section to the **Data Grid Canvas**.

11. Select a [data series](#) from the **Select a data series** dropdown menu, then click **Done**. The data definition selected here will determine the object data you can display in the grid.



ADD DATA GRID

Select a data series

Risks, Risk Sub-Category, Risk Category

CANCEL DONE

Selecting a data series in the Add Data Grid window.

12. Choose the data types you'd like to display in the grid from the **Data Type** tab. Selecting **LIBRARY DATA** will include [object type data](#) , while selecting an **Assessment Type** will include the assessment name and workflow state. By default, all data types are selected. To make individual selections, deselect the **Select All** checkbox, then click the data type(s) you wish to include. Clicking a selected data type will deselect it.

Data series: Risks, Risk Sub-Category, Risk Category

Data Type

Columns

Parameters

SELECT YOUR DATA TYPE

☒ Select All

✓ LIBRARY DATA	LIBRARY
✓ Compliance Control Self-Assessment	ASSESSMENT TYPE
✓ Compliance Testing (Prototype)	ASSESSMENT TYPE
✓ Location-Specific Framework	ASSESSMENT TYPE
✓ Process Audit	ASSESSMENT TYPE
✓ Risk Assessment	ASSESSMENT TYPE
✓ Security Framework Audit	ASSESSMENT TYPE
✓ SOX Application Assessment	ASSESSMENT TYPE
✓ SOX Certification Assessment	ASSESSMENT TYPE
✓ SOX Process Assessment	ASSESSMENT TYPE

The Data Type tab.

13. Click the **Columns** tab.
14. Choose either the anchor or an object type in the data path from the **Select a Relationship** dropdown menu. The options in this dropdown menu will vary depending on the data series selected in the previous steps.

Data series: Risks, Risk Sub-Category, Risk Category

Data Type

Columns

Parameters

SELECT A RELATIONSHIP

Anchor

▼

Selecting which object types' data will appear in the grid.

15. Select the properties, workflow states, fields, formulas, relationships, and/or roles you want to display in the grid as columns from the **Select Data** section. Use the **Search** field to search for a particular data type, if needed. Clicking a selected data type will deselect it and remove it from the grid.

SELECT DATA

Select the data you want to visualize in the table

Search...	
☒ Name	PROPERTY
☒ Unique ID	PROPERTY
☒ Description	PROPERTY
External Reference Id	PROPERTY
Dimensions	PROPERTY
☒ Risk Status	RISK STATE
Actual Completion Date	RISK DATE & TIME
Comments on Disposition	RISK PLAIN TEXT
Consequences	RISK PLAIN TEXT
Contributing Factors	RISK PLAIN TEXT
☒ Control Effectiveness	RISK SELECT LIST
☒ Count	RISK SELECT LIST
Enterprise or Process Risk?	RISK SELECT LIST
☒ Estimated Financial Impact (\$)	RISK NUMERIC

The Select Data section.

16. Continue selecting object types from the **Select a Relationship** dropdown menu to include more data by repeating steps 14 and 15 above.
17. **Optional:** To allow users to open an object in a palette while [viewing](#) the grid:
 - a. Select the **Object can be accessed in the palette from data grid** checkbox in the **Define Custom Forms** section. Selecting this checkbox enables an icon that appears when end-users hover their cursor over the **Name** column in the grid. Clicking the icon displays the object in a palette.
 - b. Select a form from the dropdown menu to choose which form is displayed when the user clicks the palette icon. This dropdown will be hidden unless the checkbox from the step above is selected.

DEFINE CUSTOM FORMS

Choose which Custom Form will display when the palette icon is selected

Risk

☒ Object can be accessed in the palette from data grid

Risk - Edit - SRM



The Define Custom Forms section.



Users will not be able to view objects in a palette if the **Name** property isn't displayed in the data grid. See step 15 above to ensure this property is selected.

18. **Optional:** In the **Sort Columns** section, click the  icon beside any data types to mark their columns as read-only and prevent users from editing their cells in the grid. To mark all columns as read-only, select the **Mark all columns as read-only** checkbox at the bottom of the section. To once again enable editing, click the  icon beside individual columns or deselect the checkbox.

Unique ID

BUSINESS UNIT

PROPERTY

Name

BUSINESS UNIT

PROPERTY

Description

BUSINESS UNIT

PROPERTY

Risk Status

BUSINESS UNIT

RISK

WORKFLOW

Control Effectiveness

BUSINESS UNIT

RISK

Inherent Likelihood

BUSINESS UNIT

RISK

Inherent Impact

BUSINESS UNIT

RISK

☐ Mark all columns as read-only

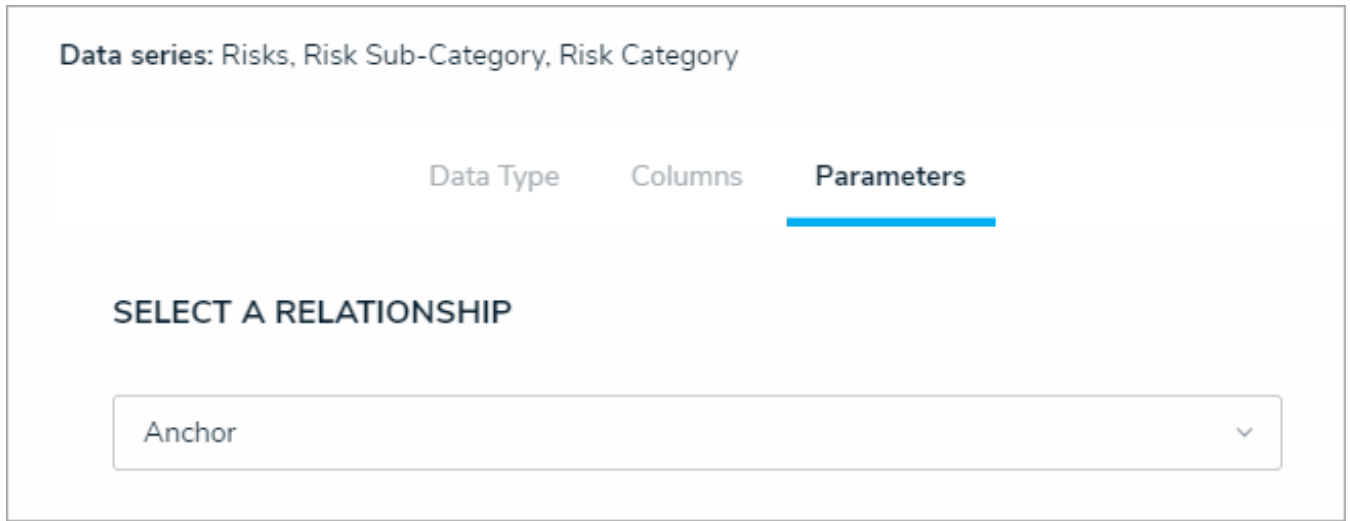
☒ Display colored cells as ovals

Th Sort Columns section.

If a user accessing the grid does not have the required [workflow permissions](#) to edit an object, the data will appear to that user as read-only, even if all data types are left editable in the settings.

19. **Optional:** Click and drag the  icon next to the data types to rearrange the order of the columns in the grid.

20. **Optional:** If needed, click the  icon next to the data type to delete it from the grid.
21. **Optional:** Select the **Display colored cells as ovals** checkbox to show formula or select list cells text with colored circles. When this option is not selected, cells are displayed with text and a full background color, if any. End-users can enable or disable this option when viewing the data grid.
22. Scroll to the top of the **Edit Data Grid** palette, then click the **Parameters** tab.



The Parameters tab.

23. Choose a relationship from the **Select a Relationship** dropdown menu. The relationship selected here will determine which parameters (filters) you can apply to the grid to refine the data that's displayed. If needed, you can select a relationship that differs from the relationship selected in the **Columns** tab.



You can add parameters from an object type in the data series even if that object type isn't configured to display any data in the grid.

24. Below **Define Parameters**, select one or more parameters to filter the data displayed in the grid. Parameter options include:
- [Workflow states](#) ;
 - [Select list](#) options;
 - [Formula](#) ranges (e.g. High, Medium, Low);
 - By [Current User](#) . When one or more roles are selected in this parameter, only users within those roles can view the data in the grid. This feature is useful to create customized data grids for specific users. The available roles are determined by the object types in the table's [data series](#) ; or
 - By [Date & Time Field](#) or [Created On/Modified On](#) properties. Selecting a range in the **By [Date Field]** dropdown menu will filter the data relative to the value selected in the [Date & Time](#) field on the objects. Selecting a range in the **By Created On ([Object Type Name])** or **By Modified On ([Object Type Name])** dropdown menus will filter the data relative to the date the objects were created or modified. All date-related options filter data in UTC time. It's recommended a date parameter is used to refine large data sets for improved report performance. Options include:
 - **Today:** Show data from today's date only.
 - **Last [X] Days:** Show data within the last 30, 60, 90, or 180 days, relative to today's date.
 - **Custom:** Shows data within the dates selected in the **From** and **To** fields. The table will include objects up to the end of that date.
25. Repeat steps 23 and 24 above to add more parameters from additional object types.
26. To remove a select list, formula, or role parameter, click the **x** icon beside parameter. To delete a date parameter, click the

field, then press the **Backspace** or **Delete** key on your keyboard.

27. Click **Done** to close the **Edit Data Grid** palette. If additional grids are required, a new report must be created by following the steps above.

Once a grid is successfully created and configured, it must be added to a view in an activity. See the [Create a Data Grid View](#) article for more information.

View a Data Grid

A data grid allows users to view, edit, and analyze object data in a spreadsheet-style format. Users with permission to view a data grid can interact with it by:

- Resizing, sorting, and showing or hiding columns;
- Editing an object's [properties](#) (**Name** and **Description**) or [fields](#) (**Text**, **Numeric**, **Date & Time**, and **Select List**) within individual cells (if **Edit** permissions have been enabled on your [role](#) and in the data grid settings);
- Viewing an object's details in a palette (if enabled);
- Filtering data by state, role, relationship, reference, or single select list;
- Wrapping or unwrapping cell contents; and
- Moving forward or back through the grid's pages or adjusting the number of rows displayed on a single page.



Refreshing your browser or navigating away from a data grid will reset any custom display settings (show/hide columns, column width, sorting, etc.) to its default configurations.

This article provides information and instructions on accessing, viewing, and editing data in a data grid from a [view](#). For information on creating a data grid, see the [Create a New Data Grid](#) article.

London Office							
86 results				< Page	1	of 4	25 rows
Risk Unique ID	Risk Name	Risk Description	Risk Status	Control Effectiveness	Inherent Likelihood	Inherent Impact	Controls
R-135.1	New Litigation & Arbitration	Inability to effectively monitor	Risk Assessment	Non Existent	Probable	Low	Management approval for contracts
R-134.1	Legal	The risk of being the subject of a claim or proceedings due to inaccurately drafted contracts or inaccurate interpretations of existing law.	Risk Monitoring	Non Existent	Possible	Significant	Risk assessment efforts are subject to review
R-133.1	Labour	Labor regulations are not followed leading to excessive fines and penalties.	Risk Monitoring	Non Existent	Probable	Critical	People and IT recovery process
R-132.1	Financial Reporting	Existence of financial information that is incomplete, inaccurate, improperly valued, controlled, reconciled, monitored, or reported.	Risk Assessment	Strong	Possible	Low	Establish and distribute a standard operating and procedures manual
R-131.1	Privacy new	Ensuring privacy/identity management and information security/system protection may require significant resources for us change jdhsdn	Risk Monitoring	Strong	Possible	Low	Service agreements are maintained for hardware and software
R-130.1	New Strategy misalignmen t with	The risk that execution of business strategies will be impaired by failing to effectively manage the interests and/or meet the expectations of government and	Assign Risk Owner	Weak	Remote	High	Risk assessment efforts are subject to review
R-129.1	Jursidictional Regulations	The risk of failing to comply with prescribed policies and procedures, laws, regulations, directives, or contractual obligations exposes the organization to unnecessary	Assign Risk Owner	Strong	Possible	Critical	
R-128.1	Industry Regulation	The risk of failing to comply with prescribed policies and procedures, laws, regulations, directives, or contractual obligations	Assign Risk Owner	Excellent	Unlikely	Low	

A data grid as it appears to end-users in a view.

To view a data grid:

1. Navigate to the [application and activity](#) where the data grid is saved.
2. Click an [anchor \(root\) object](#) in the view to display the data grid.

Reports
Data Grid

Risk and Risk Category

BU-1
London Office
Active

BU-2
Toronto Office
Active

Clicking on an anchor object to view a data grid.

- To open a grid object in a palette, hover your cursor over a cell in the **Name** column, then click the  icon. This icon will only appear if the palette option was **enabled** by an administrator and if the **Name** column is displayed on the grid.

Risk Name	Risk Unique ID
New Litigation & Arbitration	R-135.1
Legal	R-134.1
Labour	R-133.1

The palette icon in the Name column.

- To edit property (**Name** or **Description**) or field data (**Plain Text**, **Numeric**, **Date & Time**, or **Select List**) in a column that **has not been marked as read-only**, click the cell, then type your changes or make a selection from the available options. Changes made to cells are applied to the associated object and are saved automatically.

Risk Unique ID	Risk Name	Risk Description
R-135.1	New Litigation and Arbitration	Inability to effectively monitor the influx of potential litigations, status of current, and resolution of
R-134.1		The risk of being the subject of a claim or

Clicking a cell to edit it. If the cell has been marked as read-only or your role does not have permission to edit the associated object, the cell cannot be edited.

- To edit a text field with **rich text formatting** enabled, click the cell to open the RTF editor, type your changes, then click the  icon to save. If you don't have permission to edit the RTF field, clicking it will display the fields' contents in focused mode. Click **x** to close the RTF editor or window and return to the data grid.
- To adjust a column's width, hover your cursor over the top of the column to show the  icon, then click and drag the column to resize it.
- To sort the grid by column, click the column name at the top of the grid to sort the data alphabetically in ascending order. Click the column name again to sort in descending order. Clicking the column name a third time will remove any sorting.

London Office		
Risk Unique ID	Risk Name	Risk Description
R-87.1	Accountability	The risk that responsibility and ownership for management of tasks, processes and objectives is
R-80.1	Advertising	Ineffective monitoring of advertising procedures result in increased instances of non-

Sorting the columns in a grid.

- To display a specific grid page, click the < or > icons to move forward or back, click the textbox and type the page number you wish to view, or click the arrows, then click away from the text box to reload the grid. To adjust the number of rows displayed, select an option from the row dropdown menu.

86 results

<

Page

3

▲

▼

of 4

25 rows

▼

>

Changing the grid page.

- To configure the grid's display, click the  icon in the top-right corner of the page. To show or hide columns, select or deselect the column checkboxes. Select the **Wrap Cells** or **Overflow Cells** options to wrap or unwrap the data. Select the **Display colored cells as ovals** checkbox to show formula or select list cells as text with colored circles instead of a full background color. This option does not apply to workflow states.

86 results < Page 1 of 4 25 rows >

Inherent Likelihood	Risk Name
Probable	ew Litig
Possible	gal
Probable	bour
Possible	financial F
Possible	ivacy ne
Remote	ew Strat th Regu

Columns

- ☒ Select All
- ☒ Risk Unique ID
- ☒ Risk Description
- ☒ Risk Status
- ☒ Control Effectiveness
- ☒ Inherent Likelihood
- ☒

Display options

- ☒ Wrap Cells
- ☐ Overflow Cells
- ☒ Display colored cells as ovals

The grid's display options.

10. To filter the data displayed in a column by single select list, date, workflow state, formula range, relationship/reference, or role, click the  icon to the far right of the page to enable filters below the column headers, then begin typing keywords or select an option. Click the  icon again to disable/reset any filters.

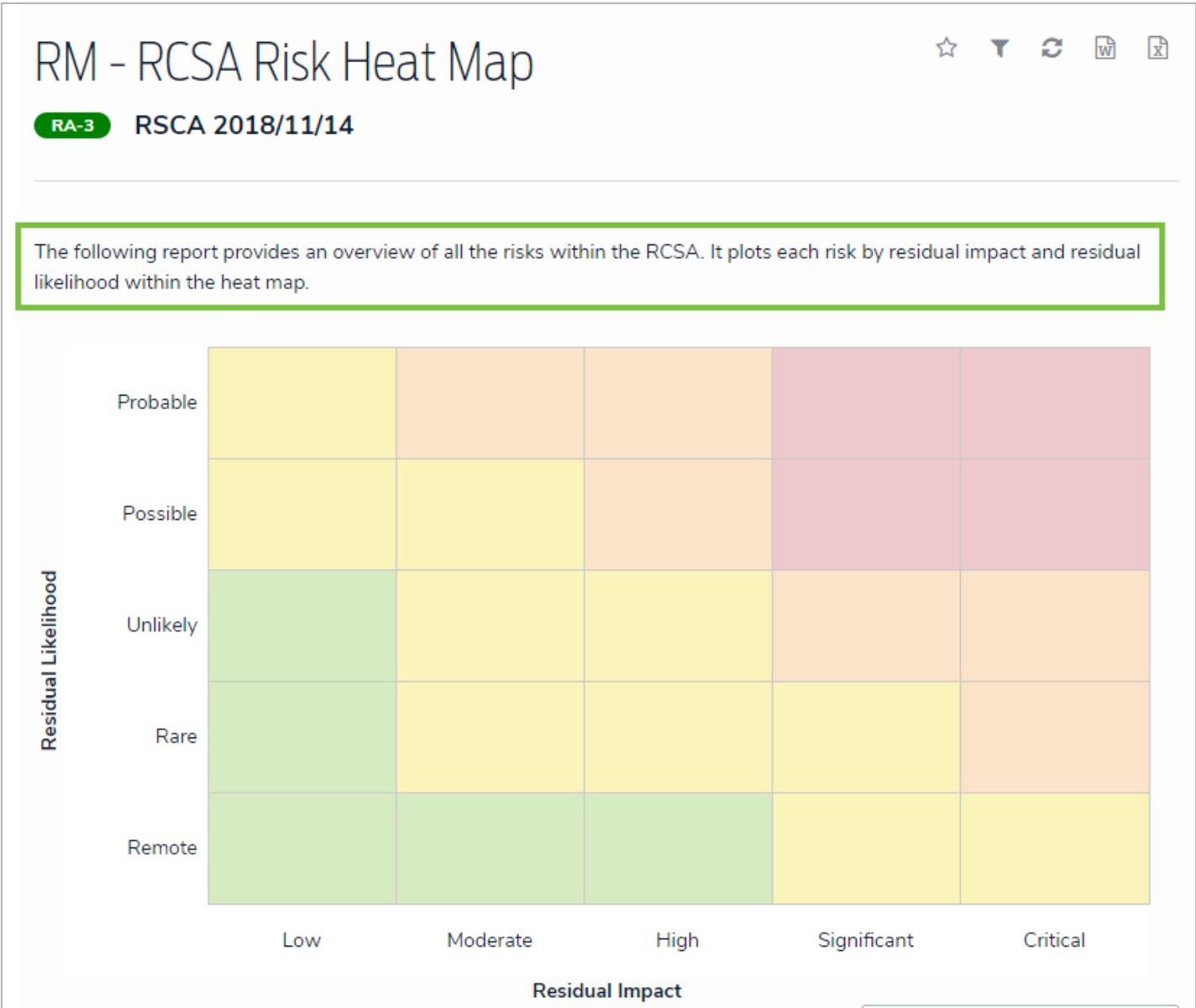
86 results < Page 1 of 4 25 rows >  			
Inherent Impact	Controls	Risk Sub Categories	Risk Owner
Select one... ▼ ● High ● Low ● Critical ● Moderate ● Significant	Search related objects... ▼ Management approval for contracts Risk assessment efforts are subject to review People and IT recovery process	Search related objects... ▼ Industry Regulation, Jursidictional Regulations, Legal, Regulatory Industry Regulation, Jursidictional Regulations, Legal, Regulatory Industry Regulation, Jursidictional Regulations, Legal, Regulatory	Search users... ▼      

Filtering the data displayed in the grid.

- To reset any custom display settings, including filters, column widths, hidden columns, page numbers, or rows, refresh your browser.

Add Free Form Text to a Data Visualization

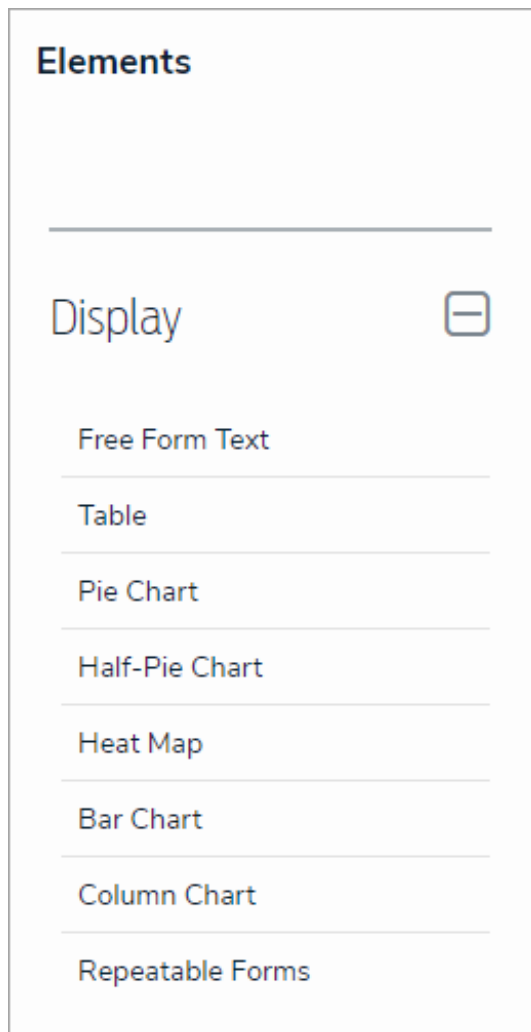
Free form text is a data visualization element that allows you to add additional text, with optional formatting, to a [report](#) canvas.



Free form text as it appears on a report to end users.

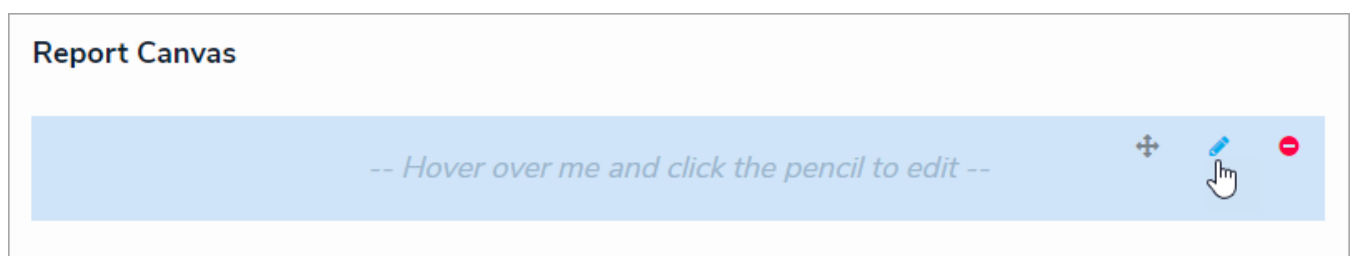
To add free form text to a report:

1. In the **Elements** section, click the  icon beside **Display** to show the available elements.



The Elements section.

2. Drag and drop **Free Form Text** from the **Elements** section to the **Report Canvas**.
3. Hover your cursor over the free form text element, then click the  icon to open the **Edit Free Form Text** palette.



A new free form text element added to the canvas.

4. Enter the text in the **Content** field.
5. **Optional:** Apply [Markdown](#) formatting to the text. To view popular formatting styles, click the  icon next to **Basic Markdown Formatting**.

EDIT FREE FORM TEXT

Content

Incidents by Location

▼ Basic Markdown Formatting

HEADERS

h1

h2

h3

h4

EMPHASIS

italic

****bold****

~~---strikethrough---~~

LISTS

Unordered

-Item 1

-Item 2

-Item 3

Ordered

1. Red

2.

Green

3. Blue

LINKS

inline link

[Display text]

([http\(s\)://www.link.com](http(s)://www.link.com))

inline link with text

[Display text]

([http\(s\)://www.link.com](http(s)://www.link.com)

"Link Homepage")

images

![alt text]

([http\(s\)://www.image.com](http(s)://www.image.com))

DONE

Free form text styled with Markdown formatting.

- Click **Done** when finished.
- Repeat the steps above to continue adding more free form text elements to the report as needed. Once multiple elements are on the **Report Canvas**, you can rearrange them by hovering your cursor over the element, then clicking the  icon and dragging the element to a new location on the canvas. To delete an element, hover your cursor over it, then click the  icon.

Edit or Delete a Data Visualization



At this time, you cannot edit or remove the data definitions saved to a data visualization without deleting the data visualization and then recreating it, however, edit functionality for data definitions is scheduled for an upcoming release in the near future.

To edit or delete a data visualization:

1. Click the  icon in the top bar > **Data Visualizations** in the **Views** section.
2. Click the data visualization you want to edit or enter the name of the data visualization in the **Search** field, then click it edit it.
3. To edit the name or description, click the  icon, then make your changes as needed in the **Name** and **Description** fields.
4. To add or remove filters, click **Configure Filters** in the **Filters** field, then click the fields, relationships, or formulas to add or remove them as filters.
5. To edit an element on the canvas, hover your cursor over the element, click the  icon, make your changes, then click **Done** when finished.
6. To rearrange the elements on the canvas, hover your cursor over an element, click the  icon and drag the element to a new location.
7. To delete an element, hover your cursor over the element, click the  icon, then click **Yes** to confirm.
8. To delete a data visualization, click the  icon at the bottom of the **Edit Report** page, then click **Yes** to confirm.



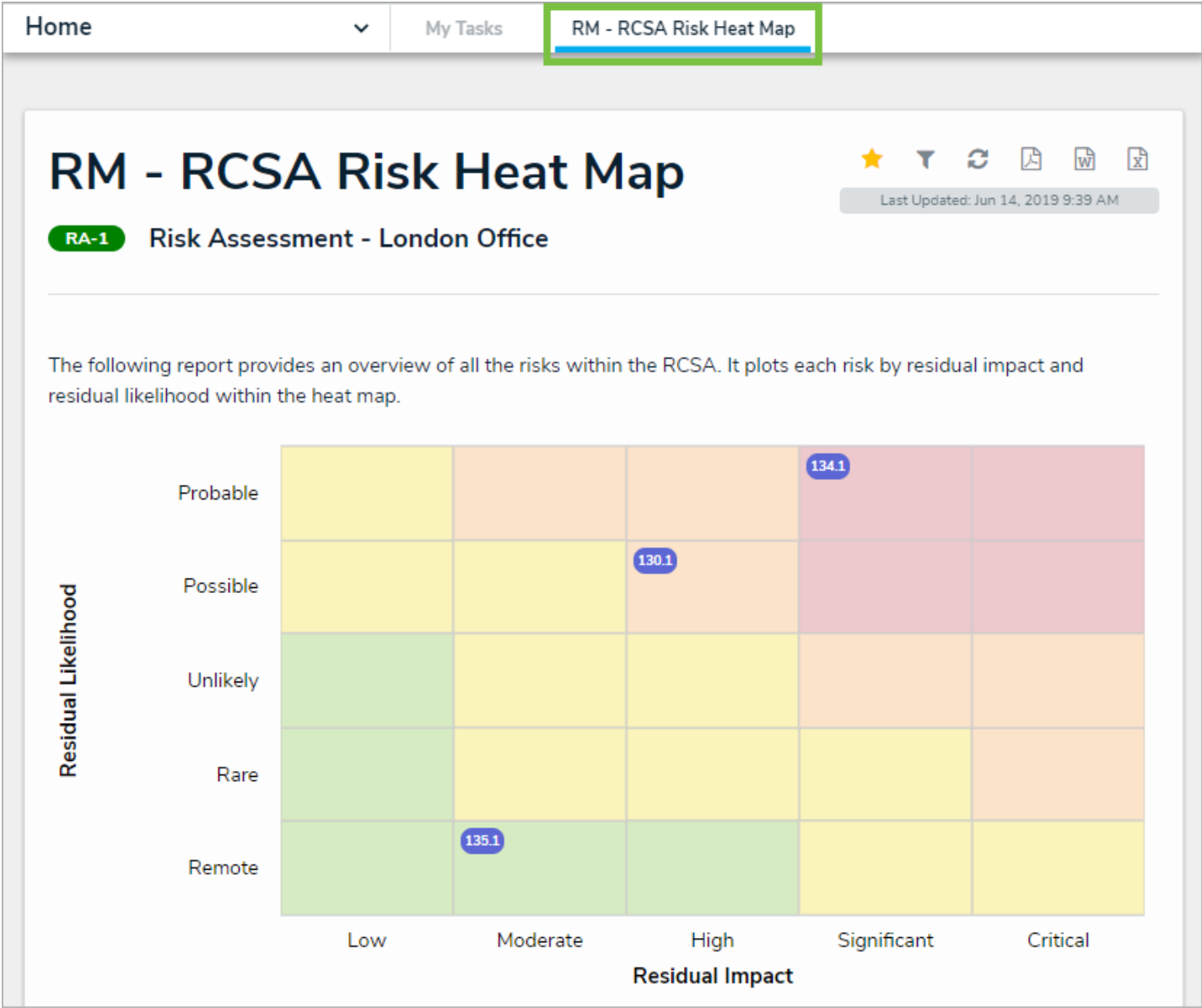
Deleting a data visualization will also delete any filters, parameters, and elements added to it.

Starred Reports

When a report is starred, it appears as a tab in the [nav bar](#) beside [My Tasks](#) . These tabs are displayed when working in the **Home** area of your organization after:

- Logging in;
- Clicking the company logo in the top-left corner of any page; or
- Clicking **Home** from the nav bar dropdown menu.

The **My Tasks** tab is the default landing page when viewing the **Home** area of your organization, but a starred report can be marked as the landing page so that its tab is automatically opened when returning to **Home**.



Starred reports appear as tabs in your nav bar.

Important Notes

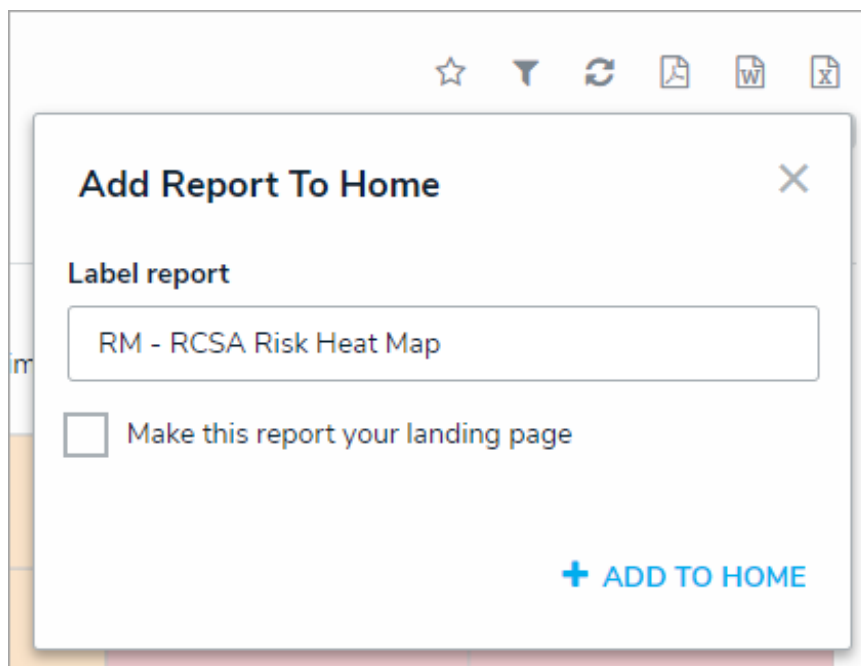
- Starred report data is not updated in real time. If the data changes while the report tab is open, click the refresh icon to show the latest data. See the [Loading & Caching Report Data](#) article for more information.

- Starred report functionality is not available on [data grids](#) or [data analytics reports](#).
- It's recommended that [repeatable form reports](#) are not added to starred reports as doing so may cause performance issues, depending on the amount of data displayed in the report.

Instructions

To star a report:

1. [Open](#) the report you want to star.
2. Click the  icon at the top-right corner of the report to open the **Add Report To Home** window.
3. If needed, enter a custom name for the tab in the **Label report** field. The report's name, as saved by the administrator who configured it, appears in this field by default.



The Add Report to Home window.

4. Select the **Make this report your landing page** if you want this report to replace the [My Tasks](#) tab or another starred report as the home page. To revert back the home page back to **My Tasks**, deselect the checkbox.
5. Click **Add To Home** to finish.
6. Repeat 1-6 above to continue adding more reports as needed. The tabs appear in the nav bar based on the order they were starred. Additional tabs that span beyond the view of the nav bar in your browser can be accessed by clicking the  icon.
7. To delete the tab from the nav bar, click the  icon, then click **Remove From Home**.

Personalized Data Visualizations

Both administrators and end users can create a more personalized experience in their organization using one or more of the following [report](#) or [data grid](#) features:

- **Role Filters:** End users can filter the data in a report by user group and/or specific users within a role that was previously selected by an administrator. This allows end users to focus on data that's relevant to them.
- **Date or Role Parameters:** Administrators can apply parameters at the report or data grid level to only show data from a specific date range or to users in a specific role.
- **Table/Repeatable Forms/Data Grid Parameters:** Administrators can apply date, role, field, formula, and state parameters to tables, repeatable forms, and data grids to control which data is displayed.
- **Starred Reports:** End users can star a report so that it appears as a tab in the [nav bar](#) when working in the **Home** area of their organization. Starred reports can also be flagged as the user's landing page so that it's displayed on login, after clicking the company logo in the top-left of the page, or selecting **Home** from the nav bar dropdown menu.

For information on these features, see the following articles:

- [Add Filters to a Data Visualization](#)
- [Add Parameters to a Data Visualization](#)
- [Add a Table to a Report](#)
- [Add Repeatable Forms to a Report](#)
- [Data Grids](#)
- [Starred Reports](#)

BI Connectivity via the Data Warehouse

BI Connectivity via the Data Warehouse is an optional paid feature. With the new warehouse in place, changes to objects (e.g., risks or incidents) are sent to the data warehouse, which stores a version of both current and historical data, making it possible to track trends and see changes over time through business intelligence tools.

Once purchased, data warehouse connection details are accessible from the **Edit User** page of the currently logged in administrator. Contact your Customer Success Manager should you wish to enable this feature.

The screenshot shows the 'Edit User' page in the RESOLVER application. The breadcrumb trail is 'Admin > Edit User > Example User'. The page is divided into three main sections:

- User Profile:** Contains input fields for 'First Name' (Example), 'Last Name' (User), and 'Email' (exampleuser@example.com).
- Account Status:** Contains toggle switches for 'User Enabled' (checked), 'Admin' (checked), and 'All Access' (unchecked). It also has a 'Language' dropdown menu set to 'English (United States)'.
- Data Warehouse Settings:** Contains input fields for 'Domain URL', 'Database Name', and 'Username'. Below these is a 'GENERATE PASSWORD' button and a password input field with a lock icon.

The Edit User page showing the Data Warehouse Settings.

Important Notes

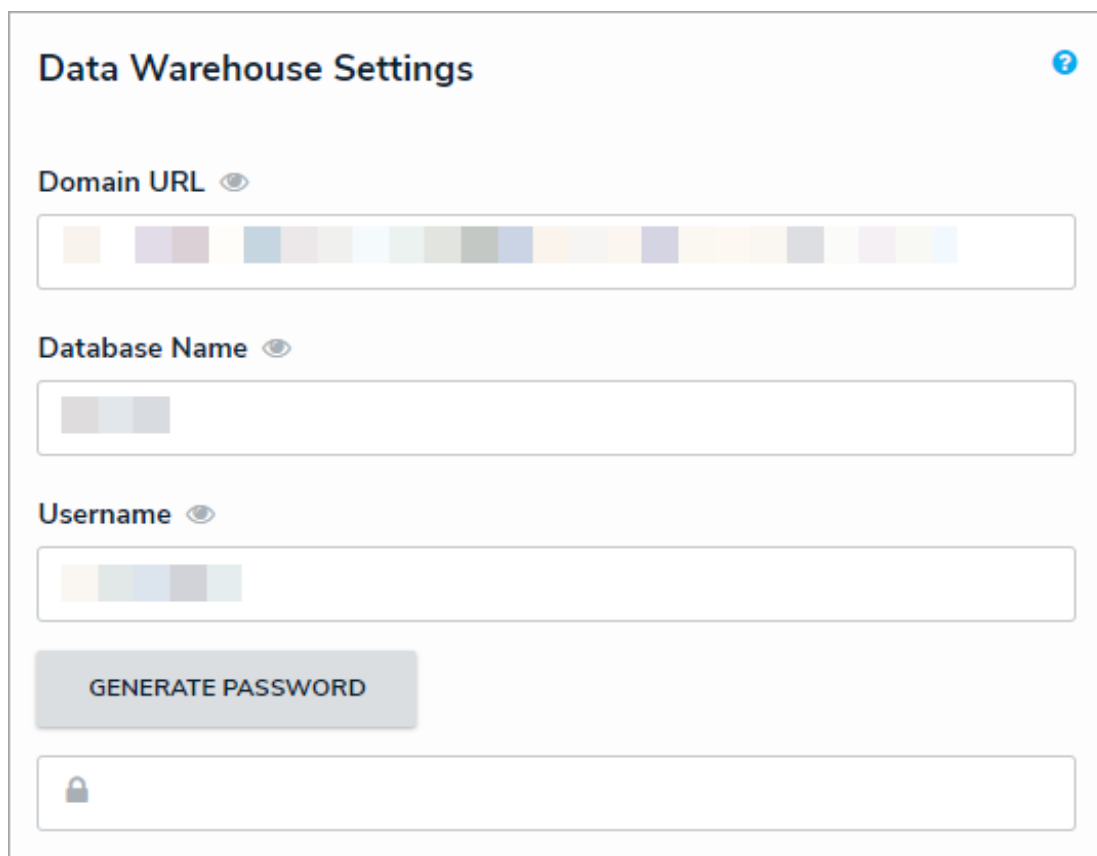
- Up to 200 fields, formula values, and roles per object type are stored in the warehouse. Data is updated every 2 to 5 minutes, depending on the data load.
- This feature does not:
 - Store attachments (image or file) or text formatting (Markdown or rich text);
 - Transfer role permissions. This means that any user with access to the BI tool will be able to view object data their role permissions would otherwise restrict; or
 - Automatically transfer field, formula, or object type name changes into the data warehouse. A manual update in the tool is required to reflect these changes, but note that amendments of this nature may negatively affect your BI reports.

- Following initial activation, it may take 30 minutes or more before the data warehouse is fully functional. Additionally, significant changes to your organization (e.g., a data import) can take 30 minutes or more to transfer successfully.
- If your organization was recently imported into Core, wait a minimum of 30 minutes before transferring data into the warehouse.
- Data warehouse passwords are not stored in Core. If you need to log into the BI tool, but you've misplaced the original password, another password must be generated.
- If the user account that generated the password entered into the BI tool is deleted, disabled, or loses its admin privileges, the current warehouse session will be terminated. To once again gain access, a new password must be generated from another admin account and entered into the tool.
- Some BI tools, such as Microsoft Power BI, may have additional requirements before a connection can be established. If a connection to the BI tool failed due to a certificate error, contact [Resolver Support](#) for assistance.

Instructions

To access the data warehouse settings:

1. Click the  icon in the top bar > **Users** in the **People** section.
2. Click your name to view the **Edit User** page for your account.
3. Click **Generate Password** in the **Data Warehouse Settings** section.



The screenshot shows the 'Data Warehouse Settings' section. At the top, there's a title 'Data Warehouse Settings' with a help icon (question mark) to its right. Below the title are three input fields, each with a label and an eye icon for toggling visibility: 'Domain URL', 'Database Name', and 'Username'. Each field contains a series of colored squares representing masked characters. Below the 'Username' field is a button labeled 'GENERATE PASSWORD'. At the bottom, there is a password input field with a lock icon on the left, indicating it is a password field.

The Data Warehouse Settings section.



Newly activated data warehouses may take 30 minutes or more before they're fully functional. If a **warehouse unavailable** message is displayed when **Generate Password** is clicked, try again after 30 minutes has

passed.

4. Copy and paste the values of the **Domain URL**, **Database Name**, **Username**, and password fields into your business intelligence tool to establish a connection. Depending on your BI tool, the **Domain URL** may be referred to as a **Server URL**, **Host URL**, or similar.



If a connection to the BI tool failed, additional requirements (e.g., a new domain URL and/or file downloads) may need to be met before a connection can be established. Contact [Resolver Support](#) for assistance.

Create a New User

Every person accessing your Core organization must have his or her own username and password to log in. User accounts are then added to [User Groups](#) and [Roles](#) , so that you can define which users can view, edit, create, and manage certain elements and objects.

The **Users** settings is also where you can:

- [Impersonate](#) other non-admin users;
- Enable or disable accounts, administrative rights, or the [All Access](#) settings;
- Select which [language](#) the user will see in the UI and application if they haven't selected a default language in their browser; and
- Access data warehouse information (if enabled for your organization).

All Access

Enabling the **All Access** settings in a user's profile grants the user access to all object types and their objects in the organization. This means that a user with these settings enabled can view all objects **without** an administrator adding the user to a [role](#), adding one or more object types to the role, then configuring the [workflow permissions](#) .

Note that even if a user has been added to a role, any workflow permissions configured for the object types are overridden by the All Access settings. Additionally, should the user need access to an application and its activities, the user must be added to a role, which then must be added to an [activity](#) . If the user should be an administrator, you must enable the **Admin** settings in their user profile.



Because **All Access** grants a user access to all objects types and their objects within an organization, it's recommended that you enable these settings only when necessary.

Data Warehouse

If enabled, the **Edit User** page for administrative users contains the **Data Warehouse Settings**. This section provides the information required to connect your data warehouse with business intelligence tools. See the [Data Warehouse](#) article for more information.

Instructions

To create a new user:

1. Click the  icon in the top bar > **Users** in the **People** section.
2. Click **Create User** to show the **Create User** page.

Admin
Create User

User Profile

First Name

Last Name

Email

Account Status

☒
User Enabled

☐
Admin

☐
All Access

Language

English (United States)

CANCEL

CREATE

The Create User page.

- Enter the user's name in the **First Name** and **Last Name** fields.
- Enter the user's email address in the **Email** field. This is the address that will receive the email with further instructions on creating a **password** to sign into Core. This email address is also used to authenticate the user when he or she logs in and therefore must be unique.



Because the user's email address is used to authenticate the user when he or she logs in, ensure the email address is correct before clicking **Create** as you will be unable to modify the address later.

- Optional:** Click the  icon next to **User Enabled** to make this user account inactive. By default, the user account is active.
- Optional:** Click the  icon next to **Admin** to make this user an administrator. By default, administrative rights are disabled.
- Optional:** Click the  icon next to **All Access** to allow this user to access all the object types and their objects within the organization.



All Access allows grants a user access to all object types and their objects within an organization. Therefore, it's recommended that you enable these settings only when necessary.

- Optional:** Select a pre-configured language from the **Language** dropdown menu to choose how the UI and applications will be translated for the user. Note that the default language selected in a user's browser will take precedence. See the [Languages](#) section for more information.
- Click **Create**. The new user will receive an email at the email address entered in step 4 with instructions on creating a password and signing into Core.

Edit or Delete a User

Important Notes

- Because a user's email address is used to authenticate the user when they log in, modifying the email address previously saved in the **Email** field will not change the address the user must enter to log into Core.
- **All Access** grants a user access to all object types and their objects within an organization. Therefore, it's recommended that you enable these settings only when necessary.
- It's generally recommended that user accounts are disabled rather than deleted. See the [Important Notes About Deleting or Deactivating User Accounts](#) article for more information.
- A new [data warehouse](#) password must be generated and entered into any business intelligence tools to re-establish connectivity if the admin account that generated the original password is deleted, disabled, or loses its admin privileges.

Instructions

To edit or delete an existing user:

1. Click the  icon in the top bar > **Users** in the **People** section.
2. Click on a user account to open the **Edit User** page.
3. Make changes to the **First Name** and **Last Name** fields as necessary.
4. Click the  or  icons next to **User Enabled**, **Admin**, and/or **All Access** to enable or disable the user account and/or administrative rights.
5. **Optional:** Select a pre-configured [language](#) from the **Language** dropdown menu to choose how the UI and applications will be translated for the user. Note that the default language selected in a user's browser will take precedence.
6. To delete the user, click the  icon, then click **Yes** to confirm.
7. Click **Done** when finished.

Impersonate Another User

With the **Impersonation** feature, administrators can temporarily assume the account of a non-administrative user to work with objects according to that user's [role](#) and permissions. This feature is useful when administrators need to test the user's permission levels, or to complete a task for users who may otherwise be unable to do so themselves. Administrators cannot impersonate other administrators.

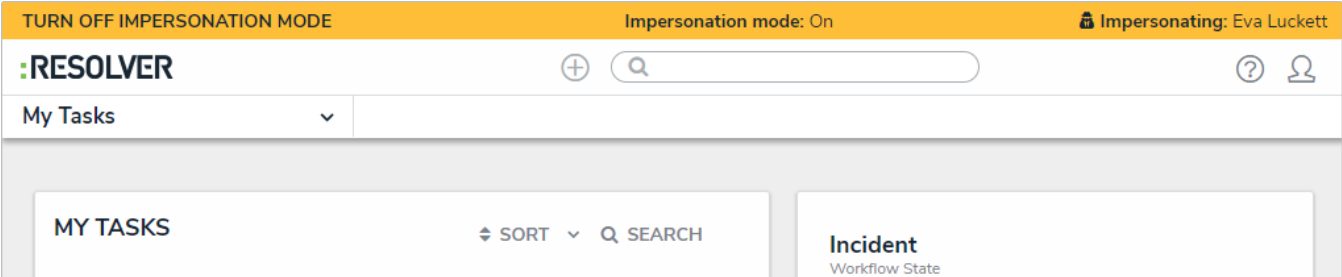
Impersonation Mode can also be used to identify and fix any [standard form](#) conflicts for users in multiple roles. See the [Form Conflicts](#) section for more information.



Any changes made while impersonating another user are captured in the [Audit Trail](#).

To impersonate another user:

1. Click the  icon in the top bar > **Users** in the **People** section.
2. Click the **Impersonate** button next to the non-administrative user you wish to impersonate. While in Impersonation Mode, the name of user you're impersonating will appear in a yellow banner at the top of the page.



Active Impersonation Mode.

3. To deactivate Impersonation Mode, click **Turn Off Impersonation Mode** to the left of the banner.

Important Notes About Deleting or Deactivating User Accounts

If a user should no longer have access to your organization in Core, you have the option of disabling that user's account or deleting it; however, it's generally recommended that user accounts are disabled rather than deleted.

Deleting a user account prevents the user from logging into your organization and accessing any data, but it also removes that user from any objects they were assigned to via a role, which may affect your reporting. Disabling an account prevents the user from logging in and accessing data, but the user is not removed from any assigned objects, thus maintaining your records.



A new [data warehouse](#) password must be generated and entered into any business intelligence tools to re-establish connectivity if the admin account that generated the original password is deleted, disabled, or loses its admin privileges.

Also note that deleting an account does **not** remove the user from your Core database. If you require that one or more users are removed from the database, contact [Resolver Support](#) for assistance.

User Groups Overview

Through the **User Groups** feature, you can group certain users together to quickly add that group to a [role](#) , rather than adding each user individually.

Admin

Edit User Group

Maintenance Team

Users

Search for User(s)

+

ADD SELECTED (0)

Hollie Peel

Changes to group membership will not be applied until the user logs out and back in.

Roles

The following Roles have been linked to this Group

Corrective Action Owner

Location Owner

DONE

A user group.

EXAMPLE

As with most organizations, your company is comprised of employees and managers. Both employees and managers create incidents, but only managers triage, review, and escalate objects. To keep your Core users organized, you create two user groups: Employees and Managers. When you create roles, you add the Employees and Managers user groups into the Incident Creator role and

add only the Managers user group to the Incident Reviewer role.

Once a user group has been created, you can add the user group to [roles](#) . If you add new users to a group that was previously added to a role, those users will automatically be added to the role. Any roles a user group has been added to will appear as links in the **Roles** section of the **Edit User Group** page.

Create a New User Group

To create a new user group:

- 1. Click the  icon in the top bar > **Users** in the **People** section.
- 2. Enter the name for the user group in the **Name** field.
- 3. **Optional:** Enter a description of the user group. This description will appear below the user group's name when viewing it on the **Edit User Group** page.

Admin : Create User Group

Name

Maintenance Team

Description

CANCEL

✓ CREATE

The Create User Group page.

- 4. Click **Create** to display the **Edit User Group** page.
- 5. In the field under **Users**, begin typing the name of the user you want to add to the group, then press **Enter** on your keyboard or click the user to select them. Continue adding more users as needed.

Users

hollie

▼

Hollie Peel

+ ADD SELECTED (0)

Searching for existing users to add to the user group.

- 6. Click **Add Selected**.

Users

Hollie Peel



+ ADD SELECTED (1)

 Changes to group membership will not be applied until the user logs out and back in.

Users to be added to a user group. You must click Add Selected to save your changes.



Users who are logged in at the time they're added to a user group will need to log out then log back in before the changes are applied.

7. Click **Done** when finished.

Edit or Delete a User Group

To edit or delete a user group:

1. Click the  icon in the top bar > **Users** in the **People** section.
2. Enter keywords in the **Search** field to search for the user group by name or click a group to select it.
3. To edit the user group name or description, click the  icon next to the user group name.
4. To add more users to the group, enter the user's name in the field below **Users**, then click **Add Selected**.



Users who are currently logged in at the time they're added to a user group will need to log out then log back in before the changes are applied.

5. To delete a user from the group, click the  icon next to their name, then click **Yes** to confirm.
6. To delete the user group, click the  icon, then **Yes** to confirm.
7. Click **Done** when finished

Roles Overview

Roles control the data that users can create, edit, delete, view, or manage in Core by adding individual [users](#) or [user groups](#) to a role, selecting the object type(s) those users can see, applying either **global** or **explicit** permissions, then configuring the workflow permissions for each object type added to the role.



Roles determine a user's eligibility to access objects only. Removing a user from a role with explicit permissions after they've been granted direct access to an object does **not** automatically revoke their access to that object. Another user with the appropriate permissions must revoke access by removing the user from the role field on the object's form.

Records Administrator

GLOBAL PERMISSIONS



Object Types

Select one...



EDIT PERMISSIONS



Incident



Users

Search for User(s)



+ ADD SELECTED (0)

Groups

Search for Group(s)



+ ADD SELECTED (0)

Administrator



Advanced Options



Search Bar Enabled



Quick Add Enabled



Help Icon Enabled

The Edit Role page.

Global Permissions

Global permissions grant users access to all the objects that belong to the object type(s) added to that role, however, you can control what rights they have (**Create, Read, Edit**, etc.) and which [configurable form](#) is displayed in their [tasks](#) and [Quick Add](#), based on the current state of the object.

Explicit Permissions

Explicit permissions grant users access to specific objects that belong to the object types added to the role. Before a user can see

those objects, the role must be added as a component on the object type and configurable form, then the user must be selected in the [role field](#) on the form, which grants them direct access to that object. You can control what rights those users have (**Create**, **Read**, **Edit**, etc.) and which configurable form is displayed in their [tasks](#) and [Quick Add](#), based on the current [state](#) of the object. You may also need to configure [inferred permissions](#) for roles with explicit permissions enabled.

If a user with explicit permissions on an object type can't see one or more objects, ensure that user has been granted access to the object(s) via the **Role** element on a form. See the [Roles on Forms](#) section for more information. Note that only users with **Manage** permissions can grant other users access to existing objects. See [Workflow Permissions](#) for more information.

Example

EXAMPLE

Kevin Darden is a manager at your organization, so his role, Incident Reviewer, has been given global permissions so he can read, edit, and manage all Incident objects throughout the workflow. Hollie Peel is a non-managerial employee who may have to create Incident objects, but doesn't need to view or edit existing objects, except under special circumstances, so she's put in the Incident Creator role which has Create and Read permissions only, as well as the Incident Reviser role, with Read and Edit rights. With the Incident Reviser role added to a configurable form, Kevin can add her to an existing object to grant her permission to add or revise information, however, she won't have permission to access other existing objects until a user from the Incident Reviewer role adds her to the role field on those objects.

Workflow Permissions

Every object type added to a role requires workflow permission configurations, which allow you to create an additional layer of security on an object for both global and explicit permissions. Through these configurations, you can control the data a user can see and the actions a user can take on an object.

AdminEdit RoleEdit Incident Status Permissions

Incident Status

Workflow permissions for Incident Team

ALL STATES

⚡ ALL TRIGGERS

+ CREATE

👁 READ

✎ EDIT

🗑 DELETE

⚙ MANAGE

● Creation

+ CREATE

⚙ MANAGE

⚡ Triggers

SUBMIT

SAVE AS DRAFT

Select a default form for this state for this role

ORM - Log an Incident

○ Draft

👁 READ

✎ EDIT

🗑 DELETE

⚙ MANAGE

⚡ Triggers

SUBMIT

ASSIGN

Select a default form for this state for this role

Default

● Active

👁 READ

✎ EDIT

🗑 DELETE

⚙ MANAGE

⚡ Triggers

ARCHIVE

ASSIGN

Select a default form for this state for this role

Default

Workflow permissions on an object type.

With the exception of **All States**, the following permissions can be applied to each individual **state** added to an object type:

- All States:** Clicking **All Triggers**, **Create**, **Read**, and **Edit** in this section will automatically enable these rights for all states in the workflow. When **All Triggers** is selected, users can view and click all triggers on a form to transition an object to its next state. The triggers that are visible to the user depend on whether the object is in the state associated with the trigger.

511

- **Create:** Users can create a new object. This permission applies only to the Creation state of the object type. When granting a user this permission, you must also enable one or more triggers for this state.
- **Read:** Users can view the object when it's in the selected state. You cannot select **Edit**, **Delete**, or **Manage** permissions unless **Read** has been selected.
- **Edit:** Users can edit existing objects in the selected state.
- **Delete:** Users can delete existing objects in the selected state.
- **Manage:** Users can add other users with explicit permissions on the object type to a role field on a configurable form to give them access to the object while it's in the selected state. Note that the user added to the role field on the form will not see the object until it's in a state they have permission to view. **Manage** is applicable to explicit permissions only
- **Triggers:** Users can see and click the selected trigger on a form to transition an object to its next workflow state. The trigger will be visible only when the object is in the state associated with the trigger.
- **Assign:** Once the object is in the selected state, users who have been granted permission to view the object through a role with explicit permissions will see it in their task list on the [My Tasks](#) page.
- **Select a default form this state for this role** The form users will see when using the [Search](#) feature, [Quick Add](#) to create an object, viewing an [assessment table](#) on a form, or opening an object via the [relationship graph](#) :
 - If you **do not** choose a form from this dropdown menu, the object type's default form will be displayed.
 - If you select **Default Form** from this dropdown menu, the user will see the form selected by an administrator elsewhere in Core.
 - If you select a configurable form from this dropdown menu, the selected form will be displayed.

The "Select a default form for this state for this role" dropdown menu in the workflow permissions.

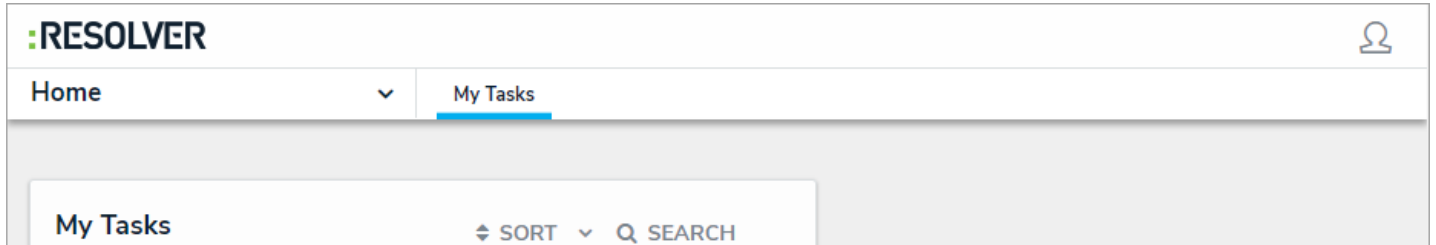
i Forms selected in an [action](#), [view](#), [data visualization](#), or [relationship table](#) will override any selections made in the **Select a default form this state for this role** field.

Workflow permissions can be configured on new roles by adding an object type to a role, then clicking **Edit Permissions**. For existing roles, open the **Edit Role** page, then click on a previously added object type to edit the permissions.

Advanced Options on Roles

The **Advanced Options** on the **Edit Roles** page lets administrators disable the [Search](#) , [Quick Add](#) , and/or [Help](#) functions for specific roles. These functions are enabled by default, but when disabled, are hidden from the [top bar](#) for users within the role.

These options are useful if you need to restrict users from accessing or creating objects outside of an activity or to prevent them from navigating to a site (such as the Resolver Knowledge Base) that's outside of the Core application.



The top bar as it's displayed to users in roles with the Search, Quick Add, and Help functions disabled.



If a user is in multiple roles and the permissions are in conflict, the role with the higher level of permissions will take precedence.

These options can be accessed from the **Edit Role** page. See the [Create a New Role](#) article for more information on configuring roles.

Create a New Role



If a user is in multiple roles and the permissions are in conflict, the role with the higher level of permissions will take precedence.

To create a new role:



1. Click the icon in the top bar > **Roles** in the **People** section.
2. Click **Create Role** to display the **Create Role** page.
3. Enter the name for the role in the **Name** field.
4. **Optional:** Enter a description of the role in the **Description** field. This description will appear below the role's name when editing it.
5. **Optional:** Select the **Enable Global Membership** checkbox if you wish to grant this role global permissions.



Once a role is created, you cannot enable or disable global membership (permissions) from the **Edit Roles** page. If you want to enable or disable global permissions on an existing role, you must delete then recreate the role.

Admin

Create Role

Name

Incident Team

Description

☒ Enable Global Membership

Enabling Global Membership will grant role members access to all object types defined for role. Members will inherit the state permissions defined for all object types across the organization

CANCEL

✓ CREATE

The Create Role page.

6. Click **Create** to show the **Edit Role** page.

Admin

Edit Role

Incident Team

GLOBAL PERMISSIONS

Object Types

Select one...

EDIT PERMISSIONS

Users

Search for User(s)

+ ADD SELECTED (0)

Groups

Search for Group(s)

+ ADD SELECTED (0)

Advanced Options

☒

☐

Search Bar Enabled

☒

☐

Quick Add Enabled

☒

☐

Help Icon Enabled

DONE

The Edit Role page.

7. In the field under **Object Types**, type the name of the object type you want to add, then press **Enter** on your keyboard or select it from the dropdown menu.
8. Click **Edit Permissions**. An object type will not be saved to a role until you've configured its workflow permissions.
9. Select the [workflow permissions](#) the user will have per each state:
 - **All States:** Clicking **All Triggers**, **Create**, **Read**, and **Edit** in this section will automatically enable these permissions for all states in the workflow.
 - **All Triggers:** Users can view and click all [triggers](#) on a form. The triggers that are visible to user depend on whether the object is in the state associated with the trigger. You can also select each individual trigger to grant access.
 - **Create:** Users can create a new object. This permission applies only to the [Creation](#) state of the object type.
 - **Read:** Users can view the object when it's in the selected state. You cannot select the **Edit**, **Delete**, or **Manage** permissions unless **Read** has been selected.

- **Edit:** Users can edit existing objects in the selected state.
- **Delete:** Users can delete existing objects in the selected state.
- **Manage:** Users can add users from other roles to give them access to the object while it's in the selected state. Note that the added user will not see the object until it's in a state they have permission to view. **Manage** is applicable to explicit permissions only.
- **Assign:** Once the object is in the selected state, users who have been granted permission to view the object through a role will see it in their task list on the [My Tasks](#) page. **Assign** is applicable to explicit permissions only.

Admin : **Edit Role** : **Edit Risk Status Permissions**

Risk Status

Workflow permissions for Incident Team

ALL STATES

[⚡ ALL TRIGGERS](#)
[+ CREATE](#)
[👁 READ](#)
[✎ EDIT](#)
[🗑 DELETE](#)
[⚙ MANAGE](#)

● Creation

[+ CREATE](#)
[⚙ MANAGE](#)

⚡ Triggers
[CREATE RISK](#)

Select a default form for this state for this role

Default ▾

● Active

[👁 READ](#)
[✎ EDIT](#)
[🗑 DELETE](#)
[⚙ MANAGE](#)

⚡ Triggers
[ARCHIVE](#)

[↓ ASSIGN](#)

Select a default form for this state for this role

Default ▾

● Archived

[👁 READ](#)
[✎ EDIT](#)
[🗑 DELETE](#)
[⚙ MANAGE](#)

⚡ Triggers
[UNARCHIVE RISK](#)

[↓ ASSIGN](#)

Select a default form for this state for this role

Default ▾

Workflow permissions.

- From the **Select a default form for this state for this role** dropdown menu, choose the form users will see when using [Search](#) , [Quick Add](#) , an [assessment table](#) , or [relationship graph](#) :
 - If you **do not** choose a form from this dropdown menu, the object type's default form (the unconfigured list of components added to an object type) will be displayed.
 - If you select **Default Form** from this dropdown menu, the user will see the form selected by an administrator.
 - If you select a configurable form from this dropdown menu, the selected form will be displayed.



Forms selected to display on a [action](#), [view](#), [data visualization](#), or [relationship table](#) will override any selections made in the **Select a default form for this state for this role** field.

11. Click **Done** to return to the **Edit Roles** page.
12. Repeat steps 7-11 to continue adding object types as needed.
13. To add individual users to the role:
 - a. In the field under **Users**, begin typing the name of the user you want to add to the role in, then press **Enter** on your keyboard or click to select the user.
 - b. Repeat step a. as needed to continue adding more users, then click **Add Selected**.
14. To add a [user group](#) to the role:
 - a. In the field under **Groups**, begin typing the name of the group you want to add to the role, then press **Enter** on your keyboard or click to select the group.

The screenshot shows two sections: 'Users' and 'Groups'. The 'Users' section has a search bar labeled 'Search for User(s)' and a '+ ADD SELECTED (0)' button. The 'Groups' section has a search bar with 'glob' entered, a dropdown arrow, and a '+ ADD SELECTED (0)' button. Below the search bar in the 'Groups' section, a list item 'Global Triage' is visible.

The Users and Groups sections.

- b. Repeat step a. as needed to continue adding more user groups, then click **Add Selected**.
15. **Optional:** In the **Advanced Options** section, click the  icons beside [Search Bar Enabled](#), [Quick Add Enabled](#), and/or [Help Icon Enabled](#) to hide these functions from users in the role. Click the  to re-enable the features, if needed. See the [Advanced Options on Roles](#) article for more information on these options.

The screenshot shows the 'Advanced Options' section with three toggle switches: 'Search Bar Enabled', 'Quick Add Enabled', and 'Help Icon Enabled'. Each toggle switch has a blue checkmark icon on the left and a dark square icon on the right.

The Advanced Options section.

16. Click **Done** when finished.

Edit or Delete a Role



If a user is in multiple roles and the permissions are in conflict, the role with the higher level of permissions will take precedence.

To edit or delete a role:



1. Click the icon in the top bar > **Roles** in the **People** section.
2. Click the role you want to edit.
3. To add more object types to the role, select the object types from the dropdown menu in the **Object Types** section, then edit the permissions.
4. To edit an existing object type's [permissions](#) , click the object type under **Object Types**, make your changes as needed, then click **Done** to return to the **Edit Role** page.
5. To add more users or groups to the role, select them from the dropdown menus under **Users** and **Groups**.
6. To delete an object type, user, or user group from the role, click the icon next to the object type, user, or user group you want to delete, then click **Yes** to confirm.



Roles determine a user's eligibility to access objects only. Removing a user from a role with explicit permissions after they've been granted direct access to an object does **not** automatically revoke their access to that object. Another user with the appropriate permissions must revoke access by removing the user from the role field on the object's form.

7. **Optional:** In the **Advanced Options** section, click the icons beside **Search Bar Enabled**, **Quick Add Enabled**, and/or **Help Icon Enabled** to hide these functions from users in the role. Click the to re-enable the features, if needed. See the [Advanced Options on Roles](#) article for more information on these options.

Advanced Options

☒ Search Bar Enabled

☒ Quick Add Enabled

☒ Help Icon Enabled

The Advanced Options section.

8. To delete the role, click the icon, then click **Yes** to confirm.

Org Manager Overview

The **Org Manager** tool gives you the option of creating duplicate organizations in Core. This feature is useful for organizations with multiple companies or for those who want to segment their data by region or department by duplicating the configurations of the existing organization, including user accounts. The Org Manager does **not** duplicate data.

Organizations are duplicated by first exporting an existing organization's data into a .JSON file, then importing that file into the Org Manager of a blank organization.

Important Notes About Org Manager

Org Manager is typically used as an internal tool for Resolver to create duplicate organizations on behalf of Core customers. Under certain circumstances, Resolver may allow your IT department to complete the process. Please [contact us](#) should you require duplicate organizations.

Export an Organization

As importing an organization requires a .JSON file from an existing organization, you must first complete the export process to create and save the file then import it into a blank organization.

To export an organization:

1. Click the  icon in the top bar > **Org Manager** in the **Application Management** section.
2. Click **Export Organization**.
3. Enter the name of the organization you're exporting in the **Name** field, then enter a version in the **Version** field. The values entered in these fields will determine the name of the .JSON file (e.g. ABC Corp 2.json).

EXPORT ORGANIZATION

Name

Version

CANCEL✓ EXPORT

The Export Organization section of Org Manager.

4. Click **Export**. The file will be saved in your **Downloads** folder.

Import an Organization

Before import, a .JSON file must be [exported](#) from the existing organization. Once this .JSON file is imported, all configurations and user accounts from the exported organization will be recreated in the new organization.

If a user already exists in another organization within the same environment, the user accounts will be merged, using the email address and password of the existing user. If the imported user is new to the environment, a new account will be created and the user will receive an email with details on accessing the organization and creating a new password.

To import an organization:

1. Contact [Resolver Support](#) to request a new blank organization in your environment.
2. Log in as an administrator.
3. Click the  icon in the top bar > **Org Manager** in the **Application Management** section.
4. Click **Import Organization**.

IMPORT ORGANIZATION

Drag and drop (or browse for) an Organization to import.

Drag file here or click to upload

The Import Organization section of Org Manager.

5. Drag and drop the .JSON file to the upload area or click the area to locate and open the file, which will automatically start the upload. If upload was unsuccessful, a confirmation message will be displayed.



If you're unable to complete the upload due to any errors, contact [Resolver Support](#).

Applications Overview

Applications are created when object type groups, fields, configurable forms, and roles come together. An application controls and directs the movement of data to end users and allows them to complete tasks and view information via activities, which then determines what kind of data a user will create, edit, and view through [actions](#) , [views](#) , and [roles](#) .

RESOLVER

Q

ooo

⚙️

?

👤

Security Risk Management

Location Profiles

Asset Profiles

Risks

Assessments

...

Security Risk Management

Risks

Risks

+ ADD SECURITY RISK

Risks

Q Search...

R-1

Competition

Active

The risk of not responding effectively to shifts and trends in the marketplace by prioritising products or balancing businesses in a strategic context to optimise business performance.

R-2

Disruptive Innovation

Active

Rapid speed of disruptive innovations or new technologies within the industry may outpace organization's ability to compete

R-3

Customer Satisfaction

Active

Failure to effectively understand and respond to customer expectations.

R-4

Foreign Markets

Active

Failure to manage and adapt to the risk of changes in the financial markets and economies overseas, including global trade policies

R-5

Legal/Regulatory

Active

Changing regulations may threaten the company's competitive position and capacity to efficiently conduct business. Failure to comply with established regulations could result in penalties to the compa ...

An application with an activity, action, and view.

i

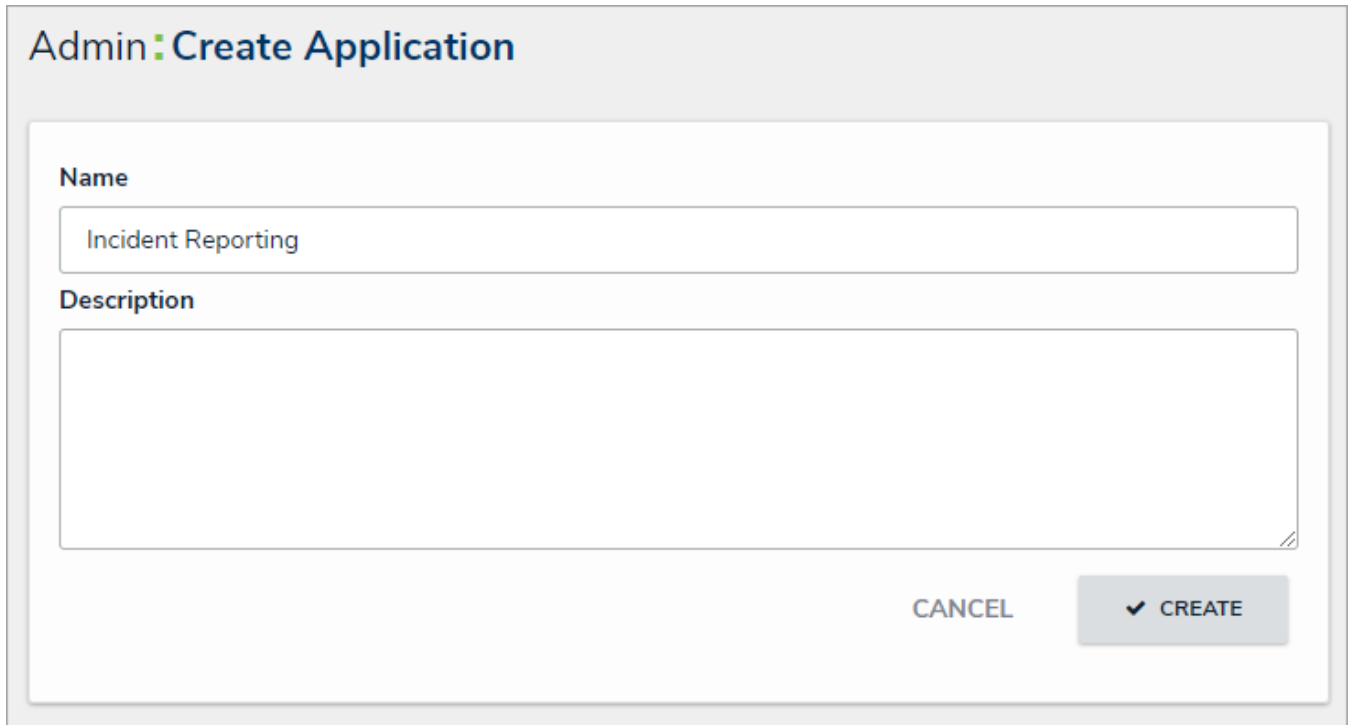
Both end users and administrators will not be able to see an application in the nav bar until a role they belong to has been granted permission to access an activity through the activity's settings.

Because applications rely on other key components of Core, such as object types and roles, you can't create an application until these other components exist. See the [About Applications](#) section to review the recommended process for creating these components.

Create an Application & Activity

To create an application and activity:

1. Click the  icon in the top bar > **Applications** in the **Application Management** section.
2. Click **Create Application** to display the **Create Application** page.
3. Enter the application name in **Name** field.
4. **Optional:** Enter a description of the application in the **Description** field. This description will appear on the **Applications** page and on the **Edit Application** page in **Administration**.



Admin : Create Application

Name

Incident Reporting

Description

CANCEL

The Create Application page.

5. Click **Create** to show the **Edit Application** page.

Admin **Edit Application**

Incident Reporting 

Activities

+ CREATE AN ACTIVITY

There are no Activities on this Application



✓ DONE

The Edit Application page.

6. Click **Create an Activity**.
7. Enter a name for the activity in the **Name** field.
8. **Optional:** Enter a description or brief instructions to users in the **Description** field which will appear when editing an activity and viewing the Activity settings. If necessary, you can apply additional styling to the text using [Markdown](#) formatting. Click **Basic Markdown Formatting** to show popular styles.

Activities

Name

Description

Basic Markdown Formatting 

CANCEL

✓ CREATE

Creating a new activity.

9. Click **Create** to display the **Edit Activity** page, where you can create actions and views and add roles.

Incident Reporting



Activities

+ CREATE AN ACTIVITY

Report an Incident



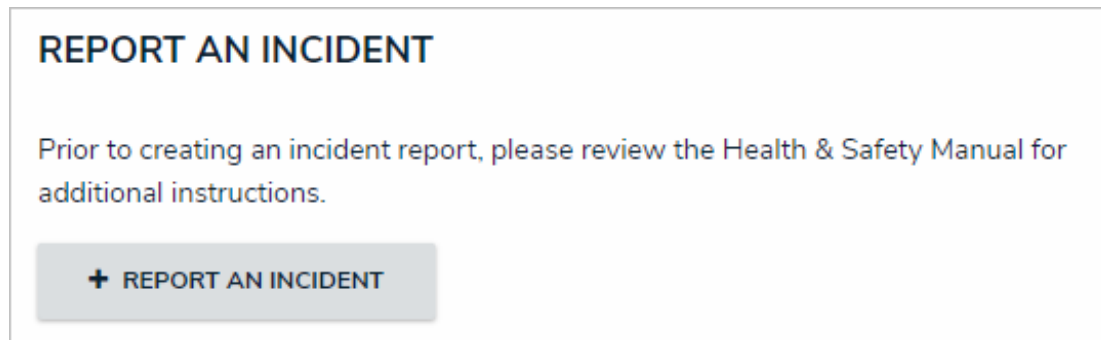
✓ DONE

The Edit Application page with a new activity.

Add an Action to an Activity

An action is where a user can create objects or [assessment](#) objects or [export data](#) from within an activity. An action is displayed in its own section with a button that, when clicked, will display a selected form for users to enter and save data into an object.

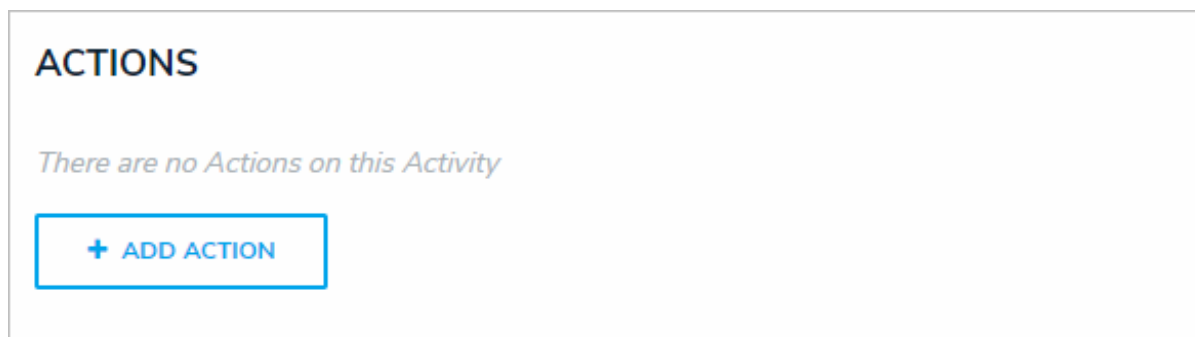
Actions are saved to activities within an application. See the [Create an Application & Activity](#) section for more information.



A create object type action as it appears to end users in an activity.

To create an action:

1. If needed, open the activity you wish to add the action to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
2. Click the **Add Action** in the **Actions** section.



The Actions section on the Edit Activity page.

3. Enter the name of the action in the **Action Name** field, which will appear as a clickable button when the user views the activity.
4. To create an object type action:
 - a. Select **Create Object** from the **Action Type** dropdown menu.
 - b. Select the object type the user will input data into from the **Object Type** dropdown menu.
 - c. Select either the default form or a [configurable form](#) to display when the user opens the action from the **Define Form to Show When Creating New** dropdown menu.

ACTIONS

Action Name

Report an Incident

Action Type

Create Object

Object Type

Incident

Define Form to Show When Creating New

New Incident

CANCEL

✓ CREATE

A new object type action.

5. To create an [assessment](#) action:

- Select **Create Assessment** from the **Action Type** dropdown menu.
- Select the assessment the user will create objects for from the **Assessment Type** dropdown menu.
- Select a [configurable form](#) to display for the action from the **Define Form to Show When Creating New** dropdown menu.



You must select a configurable form that includes the [Assessment Context](#) element in the **Define Form to Show When Creating New** dropdown menu. You cannot select the assessment's default form as it will not display the required [focus or dimensions](#) fields.

ACTIONS

Action Name

Controls Assessment

Action Type

Create Assessment

Assessment Type

Control Assessment

Define Form to Show When Creating New

Control Assessment Form

CANCEL

✓ CREATE

A new assessment action.

6. To create a [data export](#) action:
 - a. Select **Data Export** from the **Action Type** dropdown menu.
 - b. Select an export report from the **Report** dropdown menu.

ACTIONS

Action Name

Export Location Data

Action Type

Data Export

Report

Location Data Export

CANCEL

✓ CREATE

A new data export action.

7. Click **Create**.
8. Follow steps 2-7 above to continue creating more actions as needed.

9. To modify the order of the actions in the activity, click and drag the  icon beside an action.
10. To edit the action's name or form, click the  icon.
11. To delete the action, click the  icon, then **Yes** to confirm.

Views Overview

Activities can have one or more of the following views types:

- **Form:** A list of objects or [assessment](#) objects. Admins can specify which objects and forms are displayed based on the object type and [workflow state](#) .
- **Report:** [Report](#) -type data visualizations that display object data through elements.
- **Data Export:** A [data analytics export report](#) that allows users to export object data into a spreadsheet.
- **Data Grid:** Displays object data in spreadsheet-style [grid](#) .

All view types allow administrators to filter which objects are displayed based on one or more workflow states. Because views are displayed in activities, you must first create an application and activity before a view can be saved. See the [Create an Application & Activity](#) section for more information.

For information on creating views, see the following articles:

- [Create a Form View](#)
- [Create a Report View](#)
- [Create a Data Export View](#)
- [Create a Data Grid View](#)



Any forms selected when creating a view will override any form selections made in the [workflow permissions](#) on a role.

Processes		 Search...
P-1	Accounts Payable	Active
P-2	Business Continuity Management	Active
P-3	Vendor Management	Active
P-4	Systems Development Management	Active
P-5	Managing Security and Privacy	Active
P-6	Managing Travel and Expenses	Active

A form view as it's displayed to end users.

Create a Form View

To create a form view:

- 1. If needed, open the activity you wish to add the view to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
- 2. Click the **Add View** in the **Views** section.

Views

There are no Views on this Activity

Name

*

Description

Basic Markdown Formatting

+

Object Type or Assessment

Select one...

Workflow States

Select one...

View Action

Form

Define Form to Show

Default Form

CANCEL

✓

CREATE

A new view.

- 3. Enter the name of the view in the **Name** field, which will appear as a header below the view.
- 4. **Optional:** Enter a description in the **Description** field, which will appear when a user has opened the view. If necessary, apply [Markdown](#) formatting to the text. To view popular formatting styles, click the  icon beside **Basic Markdown Formatting**.

5. Select an object type or [assessment](#) from the **Object Type or Assessment** dropdown menu to specify which objects will be available in the view.
6. Select one or more assessment or object type states from the **Workflow States** dropdown menu to specify which objects or instances will be displayed, based on their current states.
7. Select **Form** from the **View Action** dropdown menu.
8. Select either the default form or a [configurable form](#) from the **Define Form to Show** dropdown menu. This will be the form that's displayed when the user clicks on an object in the view

Name

Draft Incidents

Description

These incidents have not yet been submitted to your manager for review.

Basic Markdown Formatting

Object Type or Assessment

Incident

Workflow States

Draft

View Action

Form

Define Form to Show

New Incident

A new form view.

9. Select either **Show view title when empty** or **Hide view title when empty** from the **Display Options** dropdown menu to show or hide the view's title from the activity when it has no data to display.
10. Click **Create**.
11. Follow steps 2-10 above to continue creating more views as needed.
12. To reorder how the views appear in the activity and left navigation menu, click and drag the  icon beside a view.
13. To edit the view's name, description, view action, or form, click the  icon.
14. To delete the view, click the  icon, then **Yes** to confirm.

Create a Report View

To create a report view:

- 1. If needed, open the activity you wish to add the view to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
- 2. Click the **Add View** in the **Views** section.

Views

There are no Views on this Activity

Name

*

Description

Basic Markdown Formatting

+

Object Type or Assessment

Select one...

Workflow States

Select one...

View Action

Form

Define Form to Show

Default Form

CANCEL

✓

CREATE

A new view.

- 3. Enter the name of the view in the **Name** field, which will appear as a header below the view.
- 4. **Optional:** Enter a description in the **Description** field, which will appear when a user has opened the view. If necessary, apply [Markdown](#) formatting to the text. To view popular formatting styles, click the  icon beside **Basic Markdown Formatting**.

5. Select an object type or [assessment](#) from the **Object Type or Assessment** dropdown menu to specify which objects will be available in the view.
6. Select one or more assessment or object type states from the **Workflow States** dropdown menu to specify which objects or instances will be displayed, based on their current states.
7. Select **Report** from the **View Action** dropdown menu.
8. Select a previously created report from the **Define Report to Show** dropdown menu.

Name

Incidents by Location

Description

Basic Markdown Formatting 

Object Type or Assessment

Location 

Workflow States

 Default  

View Action

Report 

Define Report to Show

Incidents by Location Reports 

A new report view.

9. Select either **Show view title when empty** or **Hide view title when empty** from the **Display Options** dropdown menu to show or hide the view's title from the activity when it has no data to display.
10. Click **Create**.
11. Follow steps 2-10 above to continue creating more views as needed.
12. To reorder how the views appear in the activity and left navigation menu, click and drag the  icon beside a view.
13. To edit the view's name, description, view action, or form, click the  icon.
14. To delete the view, click the  icon, then **Yes** to confirm.

Create a Data Export View

To create a data export view:

- 1. If needed, open the activity you wish to add the view to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
- 2. Click the **Add View** in the **Views** section.

Views

There are no Views on this Activity

Name

*

Description

Basic Markdown Formatting

+

Object Type or Assessment

Select one...

Workflow States

Select one...

View Action

Form

Define Form to Show

Default Form

CANCEL

✓

CREATE

A new view.

- 3. Enter the name of the view in the **Name** field, which will appear as a header below the view.
- 4. **Optional:** Enter a description in the **Description** field, which will appear when a user has opened the view. If necessary, apply [Markdown](#) formatting to the text. To view popular formatting styles, click the  icon beside **Basic Markdown Formatting**.

5. Select an object type or [assessment](#) from the **Object Type or Assessment** dropdown menu to specify which objects will be available in the view.
6. Select one or more assessment or object type states from the **Workflow States** dropdown menu to specify which objects or instances will be displayed, based on their current states.
7. Select **Data Export** from the **View Action** dropdown menu.
8. Select a previously created [data analytics report](#) from the **Define Data Export to Show** dropdown menu.

Name

Location Data

Description

Basic Markdown Formatting 

Object Type or Assessment

Location 

Workflow States

 Default  

View Action

Data Export 

Define Data Export to Show

Location Data Export 

A new data export view.

9. Select either **Show view title when empty** or **Hide view title when empty** from the **Display Options** dropdown menu to show or hide the view's title from the activity when it has no data to display.
10. Click **Create**.
11. Follow steps 2-10 above to continue creating more views as needed.
12. To reorder how the views appear in the activity and left navigation menu, click and drag the  icon beside a view.
13. To edit the view's name, description, view action, or form, click the  icon.
14. To delete the view, click the  icon, then **Yes** to confirm.

Create a Data Grid View

To create a data grid view:

1. If needed, open the activity you wish to add the view to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
2. Click the **Add View** in the **Views** section.

Views

There are no Views on this Activity

Name

*

Description

Basic Markdown Formatting

+

Object Type or Assessment

Select one...

Workflow States

Select one...

View Action

Form

Define Form to Show

Default Form

CANCEL

✓

CREATE

A new view.

3. Enter the name of the view in the **Name** field, which will appear as a header below the view.
4. **Optional:** Enter a description in the **Description** field, which will appear when a user has opened the view. If necessary, apply [Markdown](#) formatting to the text. To view popular formatting styles, click the  icon beside **Basic Markdown Formatting**.

5. Select an object type or [assessment](#) from the **Object Type or Assessment** dropdown menu to specify which objects will be available in the view.
6. Select one or more assessment or object type states from the **Workflow States** dropdown menu to specify which objects or instances will be displayed, based on their current states.
7. Select **Data Grid** from the **View Action** dropdown menu.
8. Select a previously created data grid from the **Define Data Grid** to show dropdown menu.

Name

Data Grid

Description

Basic Markdown Formatting 

Object Type or Assessment

Business Unit 

Workflow States

 Archived 

 Active 



View Action

Data Grid 

Define Data Grid to Show

Data Grid 2-6 

A new data grid view.

9. Select either **Show view title when empty** or **Hide view title when empty** from the **Display Options** dropdown menu to show or hide the view's title from the activity when it has no data to display.
10. Click **Create**.
11. Follow steps 2-10 above to continue creating more views as needed.
12. To reorder how the views appear in the activity and left navigation menu, click and drag the  icon beside a view.
13. To edit the view's name, description, view action, or form, click the  icon.
14. To delete the view, click the  icon, then **Yes** to confirm.

Add Roles to an Activity

All users, including administrators and those with [All Access](#) settings enabled, will not be able to see an application in the left navigation menu until they've been added to one or more activities through a [role](#). Note that adding a role to one activity with an application will not grant access to all its activities. Roles must be added to each activity individually in order to grant access.

Roles are saved to activities within an application. See the [Create an Application & Activity](#) section for more information on creating applications and activities.



If you've recently added your role to an activity, you will need to log out then log back in before the application and/or activity will be displayed in the left navigation menu.

To add roles to an activity:

1. If needed, open the activity you wish to add the role to by clicking the  icon in the top bar > **Applications** in the **Application Management** section, then clicking the application and activity to show the **Edit Activity** page.
2. Click **Add Roles** in the **Roles** section.
3. Select one or more roles from the dropdown menu.

ROLES

There are no Roles linked to this Activity

Incident Creator

×

Managers

×

▼

CANCEL

✓ ADD ROLES

Roles selected, but not yet added to an activity.

4. Click **Add Roles**.



To remove a role from the activity, click the trash can icon next to the role, then click **Yes** to confirm.

Edit or Delete an Action, View or Role

To edit or delete an action or view:

1. Click the  icon in the top bar > **Applications** in the **Application Management** section.
2. Click an application to display the **Edit Application** page.
3. Scroll down to view the **Activities** section.
4. Click an activity to show the **Edit Activity** page.

Actions

Create New Issue and Corrective Action   

+ ADD ACTION

Views

Summary of Issues by Business Unit   

Open Issues   

Open Corrective Actions   

+ ADD VIEW

The Edit Activity page with actions and views.

5. To edit the details of an action or view, click the  icon next to the action or view.



Once saved, you **cannot** select a new object type for an action or a view without deleting then recreating that action or view.

6. To delete an action, view, or role from the activity, click the  icon next to that action, view, or role, then click **Yes** to confirm.
7. Click **Done** when finished.

Edit or Delete an Application

To edit or delete an application:

1. Click the  icon in the top bar > **Applications** in the **Application Management** section.



You can rearrange the order of existing applications on the **Applications** page by clicking the  icon next to an application then dragging and dropping the application to new a location on the page.

2. Click an existing application to display the **Edit Application** page.

Admin:Edit Application

Risk Management

Activities

+ CREATE AN ACTIVITY

Identify Risks

Manage your internal risk library including adding and updating risks across the organization. Input new risks and categorize by process, risk category or objectives.

x

||

Launch Risk Assessment

Launch risk assessment by identifying relevant risks for each business unit and assign risk owners for analysis.

x

||

Assess & Treat

Perform periodic assessments of inherent and residual risks, understand contributing factors and consequences to your risks, and attach mitigating strategies to your high risks.

x

||

The Edit Application page.

3. To edit the name or description of the application, click the  icon next to the application's name at the top of the page.
4. To delete the application, click the  icon, then click **Yes** to confirm.



Deleting an application will delete all activities associated with it.

Edit or Delete an Activity

To edit or delete an activity:

1. Click the  icon in the top bar > **Applications** in the **Application Management** section.
2. Click an application to display the **Edit Application** page.
3. Scroll down to view the **Activities** section.

Activities

+ CREATE AN ACTIVITY

Identify Risks

Manage your internal risk library including adding and updating risks across the organization. Input new risks and categorize by process, risk category or objectives.

x

||

Launch Risk Assessment

Launch risk assessment by identifying relevant risks for each business unit and assign risk owners for analysis.

x

||

Assess & Treat

Perform periodic assessments of inherent and residual risks, understand contributing factors and consequences to your risks, and attach mitigating strategies to your high risks.

x

||

Monitor & Review

Through reports and key risk indicators and trending

x

||

Issues & Actions

Review issues and actions which have been identified as a result of risk assessments.

x

||

The Activities section of the Edit Application page.

4. To rearrange the order of the activities as they appear in the left navigation menu, click the  icon next to an activity then drag it to a new location on the page.
5. To edit the name or description of the activity:
 - a. Click an activity from the **Edit Application** page to show the **Edit Activity** page.
 - b. Click the  icon next to the activity at the top of the page.
 - c. Click **Done** to return to the **Edit Application** page.
6. To delete an activity, click the  icon next to the activity, then click **Yes** to confirm.



Deleting an activity will delete all the actions or views associated with it.

7. Click **Done** when finished.

Data Import Overview

Using the **Data Import** feature, you can create or update objects and map relationships between two objects by entering data into a template generated from the settings, then uploading that template into Core. This feature allows you to add or edit data in an object's field values, roles, and states, but **this feature cannot create new object types, fields, or relationships and does not support assessment data.**

Drag and drop (or browse for) a Core-configured Excel data import file.

Drag file here or click to upload

One file can be uploaded at a time. Date field values will be imported in UTC timezone

☐ Verify file only

Identifier type

Object Type ID

The importer supports using Object Type External Reference IDs or Object Type IDs

Export Data Import Template

Select object types to include in template

[SELECT ALL OBJECT TYPES](#)

Corrective Action	OBJECT TYPE
Employment Record	OBJECT TYPE
Assigned Location	RELATIONSHIP
Financial Statement Account	OBJECT TYPE
Processes	RELATIONSHIP
Incident	OBJECT TYPE
Impacted Controls	RELATIONSHIP
Incident Location	RELATIONSHIP

The Data Import page.



It's recommended that only users with advanced knowledge of Core and its configurations import data.



Data Import allows templates with up to 15 MB of data to be uploaded.

Create an Import Template

To complete a data import, you must first generate an **import template**. This template is a spreadsheet generated through the [Data Import](#) settings and contains separate worksheet tabs for each object type and relationship added to the template. Administrators then enter data in the appropriate tabs and upload the spreadsheet back into Core.

	A	B	C	D	E	F	G	H
1	Object Type ID							
2	CorrectiveAction							
3				Actual Action Completion Date	Expected Action Completion Date	Assignable Role	Library Workflow	
4	External Ref ID	Name	Description	ACTIONCOMP	EXPECTEDCO	Corrective Action Own	Corrective Action Status	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

An object type worksheet in the template.

	A	B	C	D	E	F	G
1	Relationship ID	Object Type ID	Object Type ID				
2	Control-Test	Control	Test				
3	Control	(optional)	Test	(optional)			
4	OB1 Ext Ref ID	Object Name	OB2 Ext Ref ID	Object Name			
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							

A relationship worksheet in the template.

To generate an import template:

- 
1. Click the  icon in the top bar > **Data Import** in the **Tools** section.
 2. Scroll down to the **Export Data Import Template** section. This section displays all the object types and relationships in your organization. Relationships are displayed immediately below their related object type.
 3. Click to select the object types and relationships you wish to add to the template or click **Select All Object Types** to add all object types and relationships. To remove an object type or relationship from the template, click it again to deselect it.
 4. Click **Export** to begin downloading the template. If you selected a large number of object types and relationships, there may be a delay before the download begins.

Export Data Import Template

Select object types to include in template

[SELECT ALL OBJECT TYPES](#)

✓	Process	OBJECT TYPE
✓	Risks	RELATIONSHIP
✓	Sub Processes	RELATIONSHIP
✓	Requirement	OBJECT TYPE
✓	Controls	RELATIONSHIP
✓	Issues	RELATIONSHIP
	Requirement Detail	RELATIONSHIP
	Risks	RELATIONSHIP
	Source of Requirement	RELATIONSHIP
	Requirement Detail	OBJECT TYPE
	Risk	OBJECT TYPE

 **EXPORT**

Clicking Export will start the template download. The Export button will be grayed out if no object types or relationships are selected.

- Once downloaded, click the file at the bottom of your browser to open it. By default, the file's title is your organization's name and the date the template was generated.
- Enter the data you wish to import. You can [create new objects](#) or [edit existing objects](#) on an object type worksheet or [map two objects together](#) on a relationship worksheet.
- [Upload the spreadsheet](#) to complete the import.

Enter New Object Data on the Import Template

This section outlines how to create new objects using the **Data Import** feature. For information on updating objects, see [Update Existing Object Data on the Import Spreadsheet](#).

	A	B	C	D	E	F	G
1	Object Type ID						
2	Control						
3							
4	External Ref ID	Name	Description	Assigned Date	Count	Design Effectiveness	Frequency
5	CONT-1	Control 1		ASSIGNEDDATE2018-07-16	COUNT25	DESIGNEFFECTIVENESSEffective	FREQUENCYQuarterly
6							
7							
8							
9							
10							
11							
12							
13							

An import template.

To import new object data:

1. Open the data import template. See the [Create an Import Template](#) article for instructions on generating this spreadsheet.
2. Click an object type tab, which are highlighted, to open its worksheet (e.g. Risk). Tabs are generated in alphabetical order, with relationship tabs labelled with the monogram of the object type they're saved on and their object type group (e.g. R - Control). See [Enter Relationship Data on the Import Spreadsheet](#) for instructions on mapping relationship objects. Tabs are generated in alphabetical order.

Risk	R - Control	R - Incident Type	R - Issue	R - Indicator	Risk Category
------	-------------	-------------------	-----------	---------------	---------------

Tabs on an import template spreadsheet. Object type tabs are highlighted (e.g. Risk and Risk Category) and the relationship tabs are labelled by their associated object type's monogram and object type group.



Modifying any of the headers in rows 1-4 of the spreadsheet will cause an error when the template is uploaded.

3. On row 5, column A of the spreadsheet, below **External Ref ID**, enter a name or code to identify the object in the system. The reference ID may be whatever you choose; however, each ID must:
 - Be unique from all other external reference IDs;
 - Have 300 characters or fewer; and
 - Not contain the colon (:) character.

	A
1	Object Type ID
2	Control
3	
4	External Ref ID
5	CONT-1
6	

The External Ref ID column, below the Object Type ID.

4. On row 5, column B of the spreadsheet, below **Name**, enter the name of the object.

B	C
Name	Description
Control 1	

The Name and Description columns. An object description is optional.

5. **Optional:** On row 5, column C, below **Description**, enter a description of the object.
6. To import data into a field linked to the object type, enter data below the field's column. Field columns begin at column D and are labelled in row 3 with the field's name and in row 4 as the field's **Unique Name**. If the field is:
- **Text** : Enter the data as needed. If RTF is enabled, you may apply basic HTML formatting, if required. See the [Rich Text Formatting](#) article for more information.
 - **Numeric** : Enter numbers only.
 - **Date & Time** : Enter a date and/or time. Core will automatically modify the field entry to show the date and/or time based on the format selected in the field's settings. Date and time data is imported in the UTC time zone, as such, it may be necessary to include a time when importing a date (e.g. 12:00 pm) to avoid the date being recorded one day in advance due to a time difference.
 - **Select List** : Enter an option from the select list. Select list options are not case-sensitive when importing data; however, all other characters entered into the spreadsheet must match the option exactly.
 - **Multi-Select List** : Enter one or more of the options from the select list, separated by commas, with no spaces (e.g. high,medium,low). Select list options are not case-sensitive when importing data, however, all other characters entered into the spreadsheet must match the option(s) exactly.

D	E	F	G
<i>Assigned Date</i>	<i>Automated Control</i>	<i>Count</i>	<i>Design Effectiveness</i>
ASSIGNEDDA	AUTOMATEDC	COUNT	DESIGNEFFE
January 18, 2018		5	Effective

Entering data to import into the object's fields.

7. To assign users from a specific [role](#) to the object:

- Locate a role column in the spreadsheet. Role columns appear after field columns and are labelled in row 3 as **Assignable Role** and in row 4 as the role's name.
- Enter the user's email address as it's saved in their profile in a cell below the desired column. If you're assigning multiple users, separate the users' email addresses by commas (e.g. user1@example.com,user2@example.com).



There may be a delay in completing imports that include role assignments, depending on the complexity of the role's permissions and/or the number of roles being assigned.

- Continue assigning users to additional roles, if any.

N	O	P	Q
<i>Assignable Role</i>	<i>Assignable Role</i>		
Owner	Reviewer		
user1@example.com	user1@example.com,user2@example.com		

Role columns in the template.

8. To assign a [workflow](#) state to the object:

- Locate a workflow column in the spreadsheet. Workflow columns appear after any role columns and are labelled in row 3 as **Library Workflow** and in row 4 as the workflow's name.
- Enter the state's name as it's saved in the workflow (e.g. In Progress) below the workflow column.

P
<i>Library Workflow</i>
Control Status
In Progress

A workflow column in the template.



Workflow **transitions** and **actions** are not activated on imported objects.

9. Repeat the steps above to continue adding data, as needed. If you do not wish to add data to an additional field, role, or workflow, leave the cells below the respective columns blank. To import data on a different object type, select the appropriate worksheet.
10. Save your changes.
11. [Upload the spreadsheet](#) to complete the import.

Enter Relationship Data on the Import Template

To import relationships from one object to another, you must know both objects' **external reference IDs**. If you're importing relationships into objects that are being imported on the same spreadsheet, you can collect the reference IDs from the **External Ref ID** column from the object's worksheet.

If the relationship data is being imported into existing objects (rather than a new object being imported on the same spreadsheet), you can retrieve the external reference IDs from a previous spreadsheet used to import the objects, from a spreadsheet generated by the [Audit Trail](#) feature, or by adding the **External Reference ID** data type to a [report table](#).

EXAMPLE

The Person object type has a Last Known Location relationship saved to it, which pulls data from the Location object type. To import data into this relationship, you enter a Person object into the spreadsheet first (e.g. PERS-1/Melvin Jacks), which is the object that will display in the relationship, then enter the Location object (PLAC-1/City Shopping Mall), which is the object that the relationship will draw its data from. This will show that Melvin Jacks' last known location was the City Shopping Mall.

	A	B	C	D
1	Relationship ID	Object Type ID	Object Type ID	
2	Person-Location	Person	Location	
3	Person	(optional)	Location	(optional)
4	OB1 Ext Ref ID	Object Name	OB2 Ext Ref ID	Object Name
5	PERS-1	Melvin Jacks	LOC-1	City Shopping Mall
6				
7				

Data entered into a relationship worksheet on the template.

To enter relationship data on the spreadsheet:

1. Open the data import template. See the [Create an Import Template](#) article for instructions on generating this spreadsheet.
2. Click relationship tab to open its worksheet. Tabs are generated in alphabetical order, with relationship tabs labelled with the monogram of the object type they're saved on and their object type group (e.g. R - Control). Object type tabs are highlighted. For information on entering object data, see the [Enter New Object Data on the Import Spreadsheet](#) article.

Risk	R - Control	R - Incident Type	R - Issue	R - Indicator	Risk Category
------	-------------	-------------------	-----------	---------------	---------------

Tabs on an import template spreadsheet. Object type tabs are highlighted (e.g. Risk and Risk Category) and the relationship tabs are labelled by their associated object type's monogram and object type group.



Modifying any of the headers in rows 1-4 of the spreadsheet will cause an error when the template is uploaded.

3. On row 5, column A, under **OB1 Ext Ref ID**, enter the external reference ID of the object that has the relationship saved to it.
4. On row 5, column C, under **OB2 Ext Ref ID**, enter the external reference ID of the object the relationship will pull data from.



Object Name in columns B and D is for your reference only.

5. Repeat the steps above to continue adding more relationship data to the spreadsheet, as needed. To import data into a different relationship, select the appropriate worksheet.

	A	B	C	D
1	Relationship ID	Object Type ID	Object Type ID	
2	Company-BusinessUnit	Company	BusinessUnit	
3	Company	(optional)	Business Unit	(optional)
4	OB1 Ext Ref ID	Object Name	OB2 Ext Ref ID	Object Name
5	COMP-1	ABC Corp.	BU-1	Asia
6				

Mapping a Company object to a Business Unit object.

6. Save your changes.
7. [Upload the spreadsheet](#) to complete the import.

Enter Updated Object Data on the Import Template

You can update existing object data through **Data Import** a by adding field values, assigning users to roles, or moving an object to a specific workflow state. Updating object data requires the object's **external reference ID**, which you can obtain from a previous import template, via the [Audit Trail](#) feature, or by adding the **External Reference ID** data type to a [report table](#) .



Blank values in the spreadsheet are ignored when uploaded into Core. Therefore, you cannot delete existing property, field, role, or workflow data by entering a blank value in the spreadsheet.

To enter updated object data in the import template:

1. Open the data import template. See the [Create an Import Template](#) article for instructions on generating this spreadsheet.
2. Click an object type tab, which are highlighted, to select its worksheet (e.g. Risk). Relationship tabs are labelled with the monogram of the object type they're saved on and their object type group (e.g. R - Control). Tabs are generated in alphabetical order. See [Enter Relationship Data on the Import Spreadsheet](#)for instructions on mapping relationship objects.

Risk	R - Control	R - Incident Type	R - Issue	R - Indicator	Risk Category
------	-------------	-------------------	-----------	---------------	---------------

Tabs on an import template spreadsheet. Object type tabs are highlighted (e.g. Risk and Risk Category) and the relationship tabs are labelled by their associated object type's monogram and object type group.



Modifying any of the headers in rows 1-4 of the spreadsheet will cause an error when the template is uploaded.

3. On row 5, column a, below **External Ref ID**, enter the object's external reference ID.



You can retrieve the object's external reference ID from a previous import spreadsheet used to import the object, through a spreadsheet generated by the [Audit Trail](#)feature, or by adding the **External Reference ID** data type to a [report table](#) .

4. Enter the data you want to import under the appropriate column. If data field, role, or workflow data already exists on the object, this data will be overwritten by the imported data. See the [Enter New Object Data](#) article for more information on entering field, role, or workflow data in the spreadsheet.
5. Save your changes.
6. [Upload the spreadsheet](#) .

Import Using External Reference IDs

If needed, you can import object and relationship data using an object type's External Reference Object Type ID or a relationship's External Reference Relationship Type ID (instead of the Object Type ID or Relationship ID). This feature is useful when importing objects into multiple organizations that were recently imported through [Org Manager](#) as the object type and relationships retain their external reference IDs and already exist in the imported org, allowing you to use the same import spreadsheet for more than one duplicate organization.



When importing data, you may use only the object type and relationship IDs **OR** external reference IDs in each spreadsheet.

To import data using object type/relationship type External Reference IDs:

1. Obtain the object type ID for the object type or the object type where the relationship is saved. See steps 1-3 in the [Enter New Object Data](#) section for information on obtaining the object type ID.
2. Click the  icon in the top bar > **Swagger Docs** in the **Tools** section.
3. Click **ObjectType** to display the **Object Service API** page.
4. To obtain the External Reference Object Type ID for an object type:
 - a. From the **Object Service API** page, click **GET** next to `/objectType/{id}`.

objectType			Show/Hide	List Operations	Expand Operations
GET	/objectType	Retrieve all objectTypes, optionally limited by ids			
POST	/objectType	Add an objectType			
DELETE	/objectType/{id}	Delete an objectType			
GET	/objectType/{id}	Load a specific objectType			
PUT	/objectType/{id}	Update an objectType			
GET	/objectType/{id}/count	Load the count of a specific objectType			
GET	/objectType/nextObjectId/{id}	Get the next objectId for specific objectType			

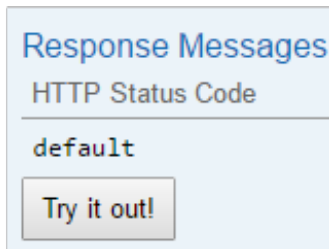
The objectType section of the Object Service API page.

- b. In the **id** field, under **Parameters**, enter the object type ID.

Parameters		
Parameter	Value	Description
id	1536	

The id field in the Parameters section.

- c. Click **Try it out!** in the **Response Messages** section.



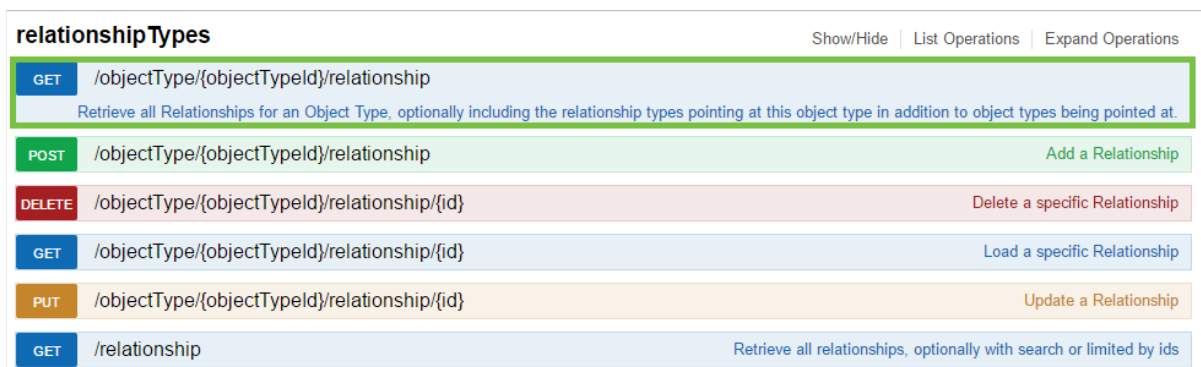
The Try it out! button in the Response Messages section.

- d. Scroll down to the **Response Body** section to retrieve the object type's External Reference Object Type ID, which is the value displayed beside **externalRefID**.



The object type's external reference ID in the Response Body section.

5. To obtain the External Reference Relationship Type ID for a relationship:
- From the **Object Service API** page, click **relationshipTypes**.
 - Click **GET** next to **/objectType/{objectTypeID}/relationship**.



The relationshipTypes section of the Object Service API page.

- c. In the **objectTypeId** field, under **Parameters**, enter the object type ID for the object type where the relationship is saved.

Parameters		
Parameter	Value	Description
objectTypeId	1536	
inverse	▼	

The objectTypeId field in the Parameters section.

- d. Click **Try it out!** in the **Response Messages** section.

Response Messages
HTTP Status Code
default
Try it out!

*The Try it out! button in the
Response Messages
section.*

- e. Scroll down to the **Response Body** section, which displays all relationships saved to the object type selected. You can identify each relationship by the entries next to **"name"** and **"longName"** (if a long name was specified) in Response Body. The value displayed beside **externalRefId** is the **External Reference Relationship Type ID**.

Response Body
<pre>{ "outgoing": [{ "id": 2806, "name": "People Involved", "longName": "", "referenceName": "", "objectTypeId": 1536, "objectTypeGroupId": 1147, "maximumAllowedEdges": 0, "created": "2016-10-12T14:27:12.540Z", "modified": null, "org": 114, "externalRefId": "f29b833a-1362-4fc0-b8e8-bcd15fe84abc" },], }</pre>

The Response Body section which displays all the relationships saved to the selected object type.

6. If importing objects, on an object type worksheet in the data import spreadsheet, enter the External Reference Object Type ID below **Object Type ID** on row 2, column A. If importing relationships, enter the External Reference Relationship Type ID below **Relationship ID** on row 2, column A on a relationship worksheet.

	A	B
1	<i>Object Type ID</i>	
2	70388ab9-7beb-46c2-912d-4625ce4e119e	
3		
4	External Ref ID	Name
5	PER-7	Phyllis Meyer
6	PER-8	Johnny Kelly
7	PER-9	Jonathan Evans

Entering the External Reference Object Type ID below the Object Type ID cell in the data import spreadsheet.



Using the : symbol in an External Reference ID to create new objects is not recommended.

7. Continue entering [object](#) or [relationship](#) data as needed.
8. [Upload the spreadsheet](#).

Upload the Import Template

Before completing the import, you must ensure the import template has been generated and the object and relationship data has been entered correctly on the appropriate worksheet. See the following articles for more information:

- [Create an Import Template](#)
- [Enter New Object Data on the Import Template](#)
- [Enter Relationship Data on the Import Template](#)
- [Enter Updated Object Data on the Import Template](#)



Data Import allows spreadsheets with up to 15 MB of data to be uploaded.

Data Import

Drag and drop (or browse for) a Core-configured Excel data import file.

Drag file here or click to upload

One file can be uploaded at a time. Date field values will be imported in UTC timezone

☐ Verify file only

Identifier type

Object Type External Reference ID

The importer supports using Object Type External Reference IDs or Object Type IDs

The Data Import page.

To upload the template into Core:



1. Click the  icon in the top bar > **Data Import** in the **Tools** section.
2. From the **Identifier type** dropdown menu, select either **Object Type External Reference ID** (if you've entered the [External Reference](#) Object Type IDs and/or the External Reference Relationship Type IDs on the spreadsheet) or **Object ID** (if you've entered the object type IDs and/or relationship IDs on the spreadsheet).



When importing data, you may use only the object type and relationship IDs **OR** external reference IDs in each spreadsheet.

3. Drag and drop the file to the upload area or click the area to locate and open the file for upload.

Select the **Verify file only** checkbox before uploading the file to check



the data has been entered correctly. If you use this feature, you will need to deselect the checkbox then re-upload the file (provided the information is valid) to complete the import.

4. If needed, correct any errors on the spreadsheet, save your changes, then re-upload the file.

Drag and drop (or browse for) a Core-configured Excel data import file.

 data import.xlsx ×

Drag file here or click to upload

⚠ There were problems with the file:

- no or invalid object type id provided on sheet OBJECT NAME 1
- cannot find object type 70388 on sheet OBJECT NAME 22
- cannot find object type 4 on sheet OBJECT NAME 2
- source ref INC-14 not a valid external reference id -- dest was PER-7
- source ref INC-14 not a valid external reference id -- dest was PER-8
- source ref INC-14 not a valid external reference id -- dest was PER-9
- invalid relationship type id 1

One file can be uploaded at a time. Date field values will be imported in UTC timezone

☐ Verify file only

Identifier type

Object ID

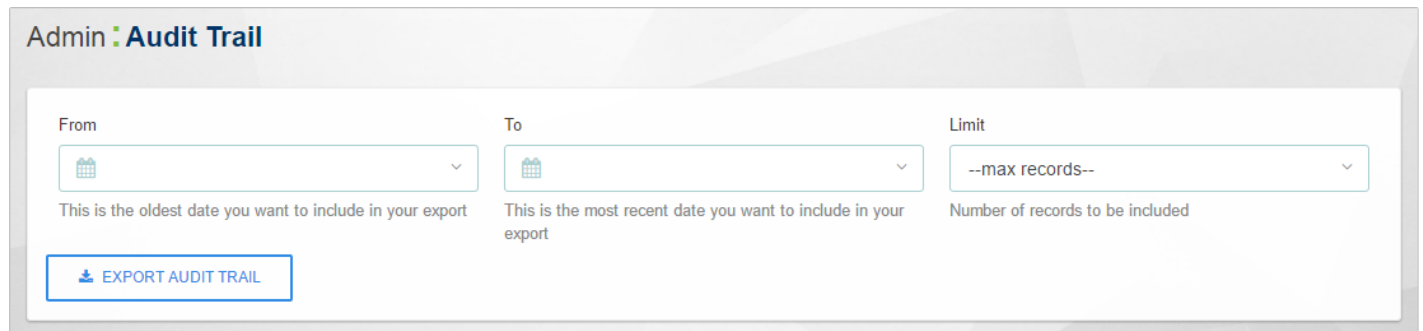
The import supports using External References as well as Object IDs

An uploaded spreadsheet with errors. Errors in the spreadsheet will prevent successful import whether or not you've selected the Verify file only checkbox.

When import is successful, a confirmation message will be displayed. If you're importing a large amount of data or data that includes role assignments, the import process may not complete immediately, depending on the amount of data, the complexity of the role's permissions, and/or the number of roles being assigned. In this case, a message will be displayed when the import is in progress and when it's completed.

Audit Trail Overview

The **Audit Trail** feature creates an Excel spreadsheet that you can download that lists all the changes made to objects within a selected timeframe.



The screenshot shows the 'Admin : Audit Trail' interface. It features three filter sections: 'From' with a calendar icon and a dropdown arrow, 'To' with a calendar icon and a dropdown arrow, and 'Limit' with a dropdown arrow. Below the 'From' and 'To' filters are explanatory text labels: 'This is the oldest date you want to include in your export' and 'This is the most recent date you want to include in your export' respectively. Below the 'Limit' filter is the text 'Number of records to be included'. A button labeled 'EXPORT AUDIT TRAIL' with a download icon is positioned at the bottom left of the filter area.

The Audit Trail feature.

The exported file displays information under the following columns:

- **Date and Time:** When the object was modified.
- **Unique ID:** The ID automatically assigned to the object by CORE to identify it throughout the organization.
- **Object ID:** The ID automatically assigned by the user to the object.
- **Object Name:** The object's **Name** property.
- **Action:** The type of change that was made on the object (e.g. Update Object, Add Object, Remove Relationship, etc.).
- **Applied to:** The element (property, field, formula, relationship, etc.) to which the changes were made.
- **Value:** The actual data entered into the element.
- **JSON:** This information may be used for additional data analysis. Contact [Resolver](#) for more information.
- **By User:** The user who made the changes. If the user was being [impersonated](#) by an administrator at the time changes were made, this field will show "[User Name] impersonated by [Administrator Name]."
- **Object Type ID:** The ID automatically assigned to the object type.
- **External Reference ID:** A reference ID automatically assigned to the object. This ID can be used to import data using the [Data Import](#) feature.



When **Evaluation** appears in the **Action** and **Applied to** columns, it indicates there was a change to a field value.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	Date and Time	Unique Id	Object Id	Object Name	Action	Applied to	Value	JSON	By User	Object Type	Object Type	External Reference Id			
2	Tue Nov 22	15	78	IC/Burglary 2016/1	Add Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Eva Luckett	1536	Incident	b71f5849-9047-4937-b514-3095dfea-9567-4ea7-879f			
3	Tue Nov 22	10	45	KD/Emergency 2016/1	Add Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Eva Luckett	1536	Incident	3095dfea-9567-4ea7-879f			
4	Tue Nov 22	10	45	KD/Emergency 2016/1	Remove Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Eva Luckett	1536	Incident	3095dfea-9567-4ea7-879f			
5	Tue Nov 22	19	84	KD/Lost 2016/1	Add Relationship	Location	Los Angeles	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Eva Luckett	1536	Incident	be3ba26c-afed-43e2-a6e6			
6	Tue Nov 22	19	84	KD/Lost 2016/1	Remove Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Irwin Cromb	1536	Incident	be3ba26c-afed-43e2-a6e6			
7	Mon Nov 21	8	42	KD/Lost 2016/1	Add User to Role	Role: Incident Creator	Hollie Peel	{'roleid':4; 'id':86; 'na':Aaron Mah	Aaron Mah	1536	Incident	712009dd-86ed-46e6-be1f			
8	Fri Nov 18 2	8	42	KD/Lost 2016/1	Add Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Elias Graff	1536	Incident	712009dd-86ed-46e6-be1f			
9	Fri Nov 18 2	8	42	KD/Lost 2016/1	Add Relationship	Location	Edmonton	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Eva Luckett	Eva Luckett	1536	Incident	712009dd-86ed-46e6-be1f			
10	Fri Nov 18 2	6	86	Honda Fit	Add Object	Object: Vehicle		{'id':86; 'na':Eva Luckett	Eva Luckett	1620	Vehicle	e0c4ab56-a6c6-4fb2-8be1			
11	Fri Nov 18 2	16	79	HP/Health Issue 2016/1	Add Relationship	Vehicles Involved	Honda Fit	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Hollie Peel	Hollie Peel	1536	Incident	9ca432be-e18d-4c63-b342			
12	Fri Nov 18 2	17	81	SB/Lost 2016/0	Add Relationship	Vehicles Involved	Mazda 3	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Wendy Mar	Wendy Mar	1536	Incident	85917424-1657-4c89-8412			
13	Fri Nov 18 2	9	44	KD/Found 2016/1	Remove Relationship	Vehicles Involved	Mazda 3	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Hollie Peel	Hollie Peel	1536	Incident	16e61344-1d70-4a8a-b91f			
14	Fri Nov 18 2	9	44	KD/Found 2016/1	Add Relationship	Vehicles Involved	Toyota Yaris	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Tracie Bord	Tracie Bord	1536	Incident	16e61344-1d70-4a8a-b91f			
15	Fri Nov 18 2	5	85	Toyota Yaris	Add Object	Object: Vehicle		{'id':85; 'na':Eva Luckett	Eva Luckett	1620	Vehicle	1e0c16d0-3816-468a-a29f			
16	Fri Nov 18 2	16	79	HP/Health Issue 2016/1	Update Evaluation	Evaluation: Time Spent	7	{'evaluation':7; 'na':Kevin Darde	Kevin Darde	1536	Incident	9ca432be-e18d-4c63-b342			
17	Fri Nov 18 2	16	79	HP/Health Issue 2016/1	Update Evaluation	Evaluation: Time Spent	77	{'evaluation':77; 'na':Kevin Darde	Kevin Darde	1536	Incident	9ca432be-e18d-4c63-b342			
18	Fri Nov 18 2	16	79	HP/Health Issue 2016/1	Update Evaluation	Evaluation: Time Spent	7	{'evaluation':7; 'na':Kevin Darde	Kevin Darde	1536	Incident	9ca432be-e18d-4c63-b342			
19	Fri Nov 18 2	17	81	SB/Lost 2016/0	Update Evaluation	Evaluation: Time Spent	2.5	{'evaluation':2.5; 'na':Kevin Darde	Kevin Darde	1536	Incident	85917424-1657-4c89-8412			
20	Fri Nov 18 2	2	23	HP/Accident 2016/1	Update Evaluation	Evaluation: Time Spent	3	{'evaluation':3; 'na':Kevin Darde	Kevin Darde	1536	Incident	2e4e8ccf-72fd-4dbf-b6fd			
21	Fri Nov 18 2	19	84	KD/Lost 2016/1	Add Relationship	Location	Montreal	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Wendy Mar	Wendy Mar	1536	Incident	be3ba26c-afed-43e2-a6e6			
22	Fri Nov 18 2	19	84	KD/Lost 2016/1	Remove Relationship	Location	Toronto	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Sheba Boud	Sheba Boud	1536	Incident	be3ba26c-afed-43e2-a6e6			
23	Fri Nov 18 2	19	84	KD/Lost 2016/1	Add Relationship	Location	Toronto	{'type':26; 'value':1536; 'roleid':4; 'id':86; 'na':Kevin Darde	Kevin Darde	1536	Incident	be3ba26c-afed-43e2-a6e6			
24	Fri Nov 18 2	19	84	KD/Lost 2016/1	Add User to Role	Role: Incident Creator	Hollie Peel	{'roleid':4; 'id':86; 'na':Hollie Peel	Hollie Peel	1536	Incident	be3ba26c-afed-43e2-a6e6			
auditTrailExport_org_114_22-11-															

The spreadsheet generated from the Audit Trail feature.

Export an Audit Trail Spreadsheet

To export an audit trail spreadsheet:

- 1. Click the  icon in the top bar > **Audit Trail** in the **Tools** section.
- 2. Select a start date, end date, and time range from the **From** and **To** fields.

Admin : **Audit Trail**

From

 1 November 2016 8:10 : ▾

This is the oldest date you want to include in your export

 **EXPORT AUDIT TRAIL**

To

 | ▾

November 2016

<

TODAY

>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

^

8

:

10

am

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^

^

Limit

--max records-- ▾

included

Selecting a date range for the Audit Trail.

- 3. **Optional:** Select the maximum number of records you want returned in the spreadsheet. Leaving this field with its default value of **--max records--** will return up to 1 million records.
- 4. Click **Export Audit Trail** to begin downloading the spreadsheet.

571

✓ Export of Audit Trail in progress

From



1 November 2016 8:10 ▾

This is the oldest date you want to include in your export

To



16 November 2016 8:10 ▾

This is the most recent date you want to include in your export

Limit

1000 ▾

Number of records to be included



EXPORT AUDIT TRAIL

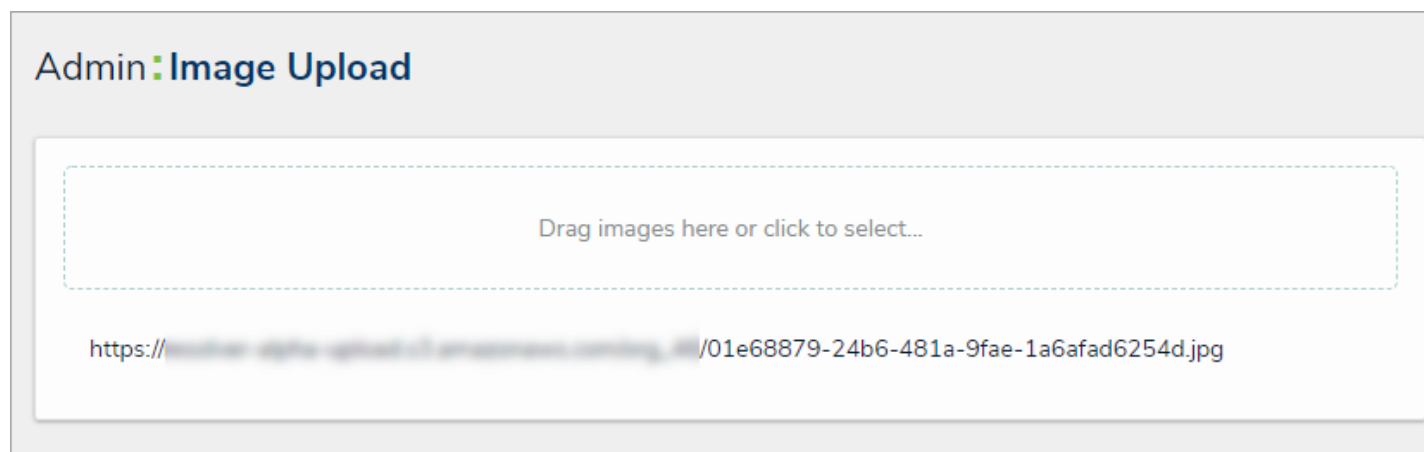
After clicking Export Audit Trail, a confirmation message is displayed and the file will begin downloading on your computer through your browser.

5. Click the file at the bottom of your browser to open it.

Image Upload & Custom Logos

The **Image Upload** feature allows administrators to upload a photo and generate a URL that can then be used as a custom logo or embedded in configurable forms using [Markdown formatting](#).

To use this feature, navigate to **Admin > Tools > Image Upload**, then click to select an image to upload or drag and drop it to the upload area. Once the file is successfully uploaded, click the URL to copy it to your clipboard.



The Image Upload tool. Once a file is uploaded, you can copy the URL to your clipboard by clicking it.



If you navigate away from this page or misplace the URL, a new link must be generated by once again uploading the image.

Custom Logo Requirements

For a logo image to be compatible, it must be approximately:

- 15:4 ratio;
- 210 x 56px at 72 DPI;
- PNG (recommended) or JPEG format.

Should you wish to embed a custom logo, contact [Resolver Support](#) with the URL after uploading the file in the **Image Upload** tool.

Languages Overview

Through the **Languages** feature, you can customize the text in Core's user interface and applications, fields, object types, etc. to display a language of your choosing. This is done by downloading an Excel spreadsheet that contains a list of the user interface text in the default language, adding the applicable translations for that text, then uploading the spreadsheet back into Core. When a user logs in with a default language on their browser that matches a configured translation, Core will automatically match to the browser's default language. If a user's browser is displaying a language that is not configured, Core will display the default language in the user's Core profile.

When using the **Languages** feature, note that:

- Translations are not pre-loaded or automatic. They must be manually entered into the spreadsheet.
- When a user logs in with a default language (e.g. Canadian French) on their browser that matches a configured translation, the Core UI will display in the browser's default language.
- If a user's browser displays an unconfigured language, the UI will display the default language in the user's Core profile.
- If the user's browser is set to a unconfigured language and the user has made no changes to the language preferences in their profile, the default language of US English will display.
- You can select a pre-configured language in a [user's profile](#) to choose how the UI and applications will be translated. Note that the default language selected in a user's browser will take precedence.
- If your version of Core contains multiple organizations, translations must be configured for each org.
- Once a new language has been added to Core, it's not possible to delete it; however, you may edit the translations.
- Editing the default language through this feature is not currently supported.

Supported Languages

Core currently supports the following languages when using the admin settings to translate the user interface text:

- Albanian
- Basque
- Basque (Spain)
- Belarusian
- Belarusian (Belarus)
- Bosnian (Bosnia and Herzegovina)
- Catalan
- Catalan (Spain)
- Chinese (Simplified)
- Chinese (Traditional)
- Croatian
- Croatian (Bosnia and Herzegovina)
- Croatian (Croatia)
- Czech
- Czech (Czech Republic)
- Danish

- Danish (Denmark)
- Dutch
- Dutch (Belgium)
- Dutch (Netherlands)
- English
- English (Australia)
- English (Belize)
- English (Canada)
- English (Caribbean)
- English (Ireland)
- English (Jamaica)
- English (New Zealand)
- English (Republic of the Philippines)
- English (South Africa)
- English (Trinidad and Tobago)
- English (United Kingdom)
- English (United States)
- English (Zimbabwe)
- Esperanto
- Estonian
- Estonian (Estonia)
- Faroese
- Faroese (Faroe Islands)
- Finnish
- Finnish (Finland)
- French
- French (Belgium)
- French (Canada)
- French (France)
- French (Luxembourg)
- French (Principality of Monaco)
- French (Switzerland)
- Galician
- Galician (Spain)
- German
- German (Austria)

- German (Germany)
- German (Liechtenstein)
- German (Luxembourg)
- German (Switzerland)
- Hebrew (right-to-left text direction enabled)
- Hungarian
- Hungarian (Hungary)
- Italian
- Italian (Italy)
- Italian (Switzerland)
- Japanese
- Korean
- Latvian
- Latvian (Latvia)
- Lithuanian
- Lithuanian (Lithuania)
- Maltese
- Maltese (Malta)
- Maori
- Maori (New Zealand)
- Norwegian (Bokmål)
- Norwegian (Bokmål) (Norway)
- Norwegian (Nynorsk) (Norway)
- Polish
- Polish (Poland)
- Portuguese
- Portuguese (Brazil)
- Portuguese (Portugal)
- Quechua
- Quechua (Bolivia)
- Quechua (Ecuador)
- Quechua (Peru)
- Romanian
- Romanian (Romania)
- Russian
- Serbian (Latin) (Bosnia and Herzegovina)

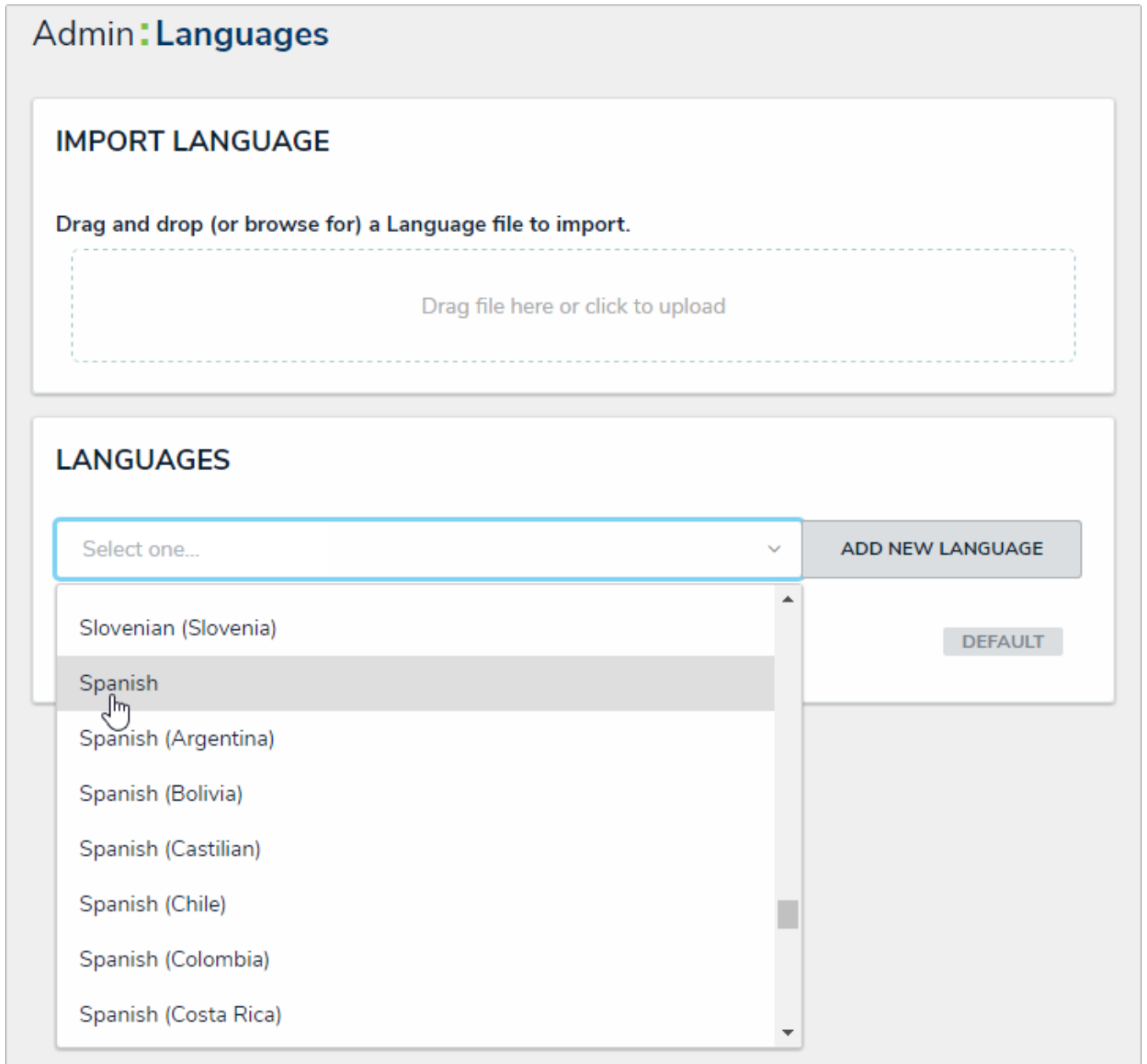
- Serbian (Latin) (Serbia and Montenegro)
- Slovak
- Slovak (Slovakia)
- Slovenian
- Slovenian (Slovenia)
- Spanish
- Spanish (Argentina)
- Spanish (Bolivia)
- Spanish (Castilian)
- Spanish (Chile)
- Spanish (Colombia)
- Spanish (Costa Rica)
- Spanish (Dominican Republic)
- Spanish (Ecuador)
- Spanish (El Salvador)
- Spanish (Guatemala)
- Spanish (Honduras)
- Spanish (Mexico)
- Spanish (Nicaragua)
- Spanish (Panama)
- Spanish (Paraguay)
- Spanish (Peru)
- Spanish (Puerto Rico)
- Spanish (Spain)
- Spanish (Uruguay)
- Spanish (Venezuela)
- Swedish
- Swedish (Finland)
- Swedish (Sweden)
- Tagalog
- Tagalog (Philippines)
- Turkish
- Turkish (Turkey)
- Welsh
- Welsh (United Kingdom)
- Xhosa

- Xhosa (South Africa)
- Zulu
- Zulu (South Africa)

Add a New Language

To add a new language into Core:

1. Click the  icon in the top bar > **Languages** in the **Tools** section.
2. Select a language from the dropdown menu in the **Languages** section. See the [Languages Overview](#) article for a complete list of supported languages.



The screenshot shows the 'Admin Languages' interface. At the top, there's a header 'Admin Languages'. Below it, there's a section titled 'IMPORT LANGUAGE' with the instruction 'Drag and drop (or browse for) a Language file to import.' and a dashed box containing the text 'Drag file here or click to upload'. Below this is a section titled 'LANGUAGES'. It features a dropdown menu with the placeholder text 'Select one...' and a list of languages: Slovenian (Slovenia), Spanish (highlighted), Spanish (Argentina), Spanish (Bolivia), Spanish (Castilian), Spanish (Chile), Spanish (Colombia), and Spanish (Costa Rica). To the right of the dropdown is a button labeled 'ADD NEW LANGUAGE'. Below the dropdown list, there is a 'DEFAULT' button.

Selecting a language from the dropdown menu.

3. Click **Add New Language**.
4. **Optional:** Click the  icon next to the language to edit its name.

LANGUAGES

Spanish

ADD NEW LANGUAGE

US English

DEFAULT

Spanish




A newly added language appearing in the Languages section.

- Click the  icon next the language to download the Excel spreadsheet.
- Once successfully downloaded, open the spreadsheet. The **Platform** tab at the bottom of the spreadsheet contains the text for the default user interface, while the **Applications** tab contains text for custom applications, fields, applications, etc. The **US English (en-US) DEFAULT** column in both worksheets (column E), displays the default text for each Core component.

	A	B	C	D	E	F
1	View	Component	Section	Key	US English (en-US) DEFAULT	Spanish (es)
2						
3	toast	objectupdatefailed	title	platform:toast:objectupdatefailed:title	Object was not saved successfully	
4						
5	app	role	placeholder	platform:app:role:placeholder	Select roles ...	
6		addroles		platform:app:addroles	Add Roles	
7						
8	confirmationbutton	title		platform:confirmationbutton:title	Please Confirm	
9		message		platform:confirmationbutton:message	Are you really sure that you want to do this?	
10						
11	session	expiryHeader		platform:session:expiryHeader	Session Expiry Notice	
12		expiryMessage		platform:session:expiryMessage	Your session will expire in {time}. Please refresh to continue working.	
13		refreshSession		platform:session:refreshSession	Refresh Session	
14						
15	rolepicker	label		platform:rolepicker:label	Role	
16		placeholder		platform:rolepicker:placeholder	Search for Roles	
17						
18	table	searchtable		platform:table:searchtable	Search Table...	

The languages spreadsheet.

- Using the text in the **US English (en-US) DEFAULT** column (column E) as a reference, enter the applicable translations in column F (titled after the language selected in steps 2-4). Enter the translations on the **Platforms** and/or **Applications** worksheet(s) as needed.

E	F	
US English (en-US) DEFAULT	Spanish (es)	
Object was not saved successfully	El objeto no se guardó correctamente	
Select roles ...	Seleccionar roles ...	
Add Roles	Añadir roles	
Please Confirm	Por favor confirmar	
Are you really sure that you want to do this?	¿Estás realmente seguro de que quieres hacer esto?	

Translations entered into the spreadsheet. Column E displays the text for the current labels in CORE and the corresponding translations are added to Column F.



The spreadsheet will not successfully upload if you remove any data from the **Key** (column D) section of the **Applications** worksheet or if data is entered in the empty rows that are used to separate each section on either worksheet.

8. Save the file at a location that's easily accessible.
9. Return to the **Languages** page in Core, then drag and drop or click the upload area in the **Import Languages** section to upload the spreadsheet.

IMPORT LANGUAGE

Drag and drop (or browse for) a Language file to import.

Drag file here or click to upload

The Import Language section where the spreadsheet with the translations is uploaded into CORE.

Email Templates Overview

When the [Messaging](#) action has been created on a workflow transition, an email is sent to users within one or more selected roles once an object has transitioned to the next specified state. The contents of the email are based on the template selected when the action was created.

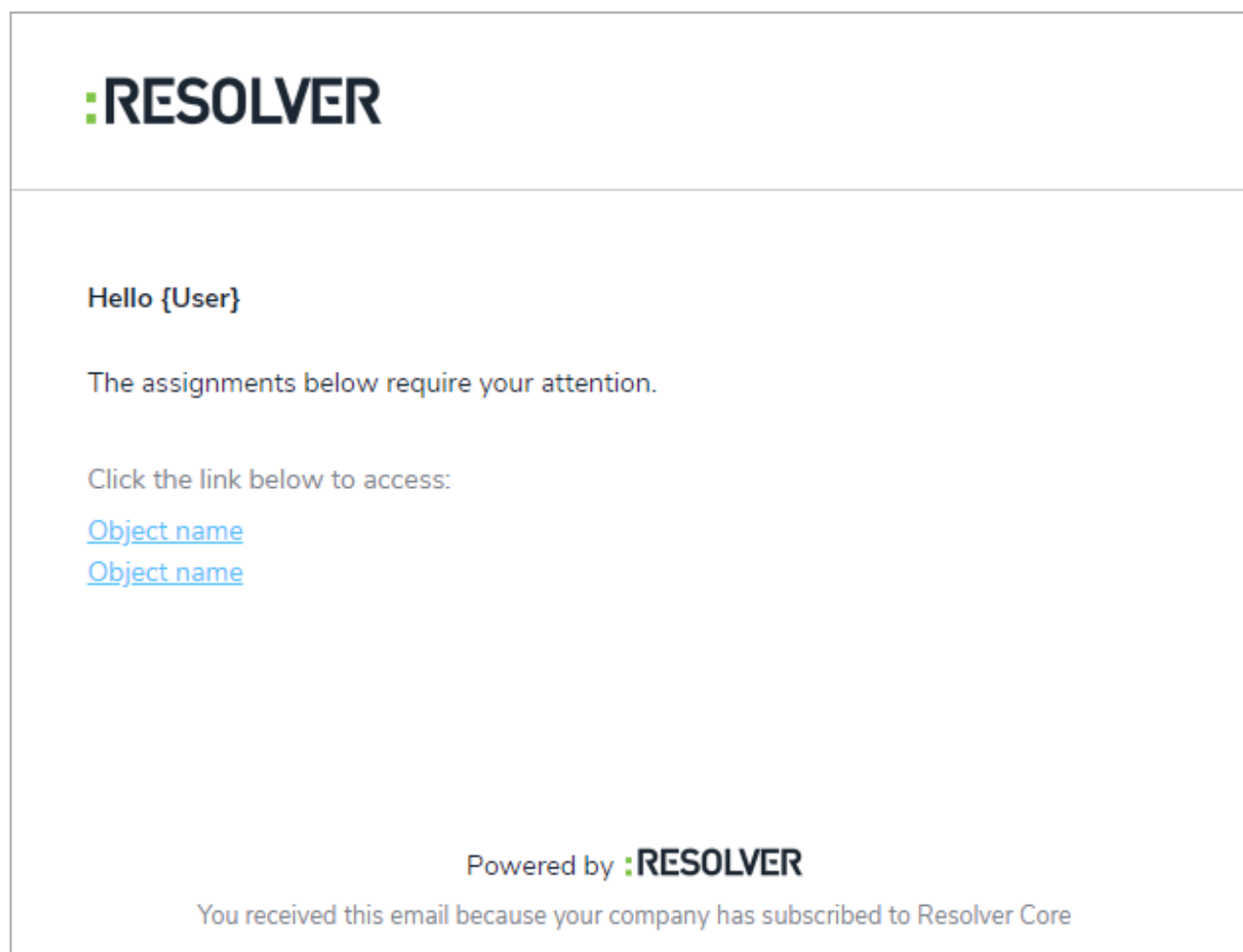
By default, each organization has the following templates:

- **Standard:** Advises users that there are one or more objects that require attention.
- **Assigned** Advises users that one or more objects have been assigned to them.

Through the **Email Templates** settings, administrators can create new templates or edit the default templates by applying the following customizations:

- Creating a new subject line and custom message in the body of the email;
- Inserting variables (fields or [properties](#)) in the subject and body to provide more information about the object(s);
- Applying [Markdown formatting](#) to any custom messages in the body of the email; and
- Replacing the Resolver logo with your company's logo.

Note that because the default templates (**Standard** or **Assigned**) can be edited, these templates' names and contents may vary.



A preview of the Assignment email template.

Email Template Variables

Email templates allow administrators to determine what information is sent to users when a [Messaging](#) workflow action is triggered. When creating or editing these templates, you can embed **variables**, which represent the data from an object's fields and/or [properties](#).

Fields and properties from all the object types in your organization can be added to an email template (both [custom](#) and [default](#)), but the information in those fields or properties are populated based on the object that triggered the email. For example, Risk 15 is an object with a high priority. When the email is triggered, the Name property is populated as Risk 15 and the Priority Field as High. When the low-priority object, Risk 20, triggers an email, the Name property is populated as Risk 20, and the Priority field as Low.

A new risk is created by Default User

 Resolver Notifications <noreply@resolver.com>

Monday, July 23, 2018 at 1:17 PM

[Show Details](#)



Hi [REDACTED]

The following risk has been created:

Date Created: 2018-07-23 17:16 (UTC)

Severity: High

Risk Name: Breach of data

Please, follow the link below to review the risk.

Click the link below to access

[Breach of data](#)

Powered by  RESOLVER

You received this email because your company has subscribed to Resolver Core

An email with variables as it appears to an end user. The highlighted text are populated email variables.

Supported Fields & Properties

The following fields and properties can be embedded in a template:

- All field types **except** [Attachments](#) and [Image Attachments](#) .
- Fields that do not contain any special characters. Only fields with alphanumeric characters (including spaces) are accepted.
- The following [properties](#) :
 - Name
 - Description
 - Unique ID
 - Created By
 - Created On
 - Modified By
 - Modified On

If a field is not linked to the same object type as the **Messaging** action or it is unlinked or deleted after it was embedded in the template, it will appear as **{Field Not Found}** in preview on the settings page and as **Not Specified** in any emails sent out to users. If a property or field doesn't contain a value, it will appear as **Not Specified** in the email.

Embedding Variables

To add a variable to a template, type + in the **Email Subject Line** or **Email Body** field, start typing the name of the field or property you wish to add, then click to add it to the template. If needed, you can also scroll through the list of available variables, then click one to add it to the template. The object type the field is linked to will appear to the right of the field's name in the search results. If a field is linked to more than one object type, it will appear in the search results once for each object type.

Note that only the value of the field or property is displayed in the template. The field or property name (e.g. Priority, Category, or Requirements) is not populated automatically. If you wish to include a title or any other information about the variable, it must be typed manually.

To delete a variable, use the **Backspace** key on your keyboard.

Email Subject Line ?

The **name** record requires your attention.

Email Body ?

Priority: +prio
 Category:
 Requirements:

Priority KEY RISK INDICATOR
 Priority SECURITY REQUIREMENTS ...
 Priority PRIVACY IMPACT ASSESSME...
 Priority KEY PERFORMANCE INDIC...

Basic Markdown Formatting

Embedding a variable in an email template. Fields that are linked to more than one object type appear in the search results multiple times.

Markdown Formatting

You can apply [Markdown formatting](#) to variables in the body of the email; however, any emphasis formatting (i.e. italic, bold, or strikethrough) requires that the variable is enclosed in spaces (e.g. * Text *).

Email Subject Line ?

The `name` record requires your attention.

Email Body ?

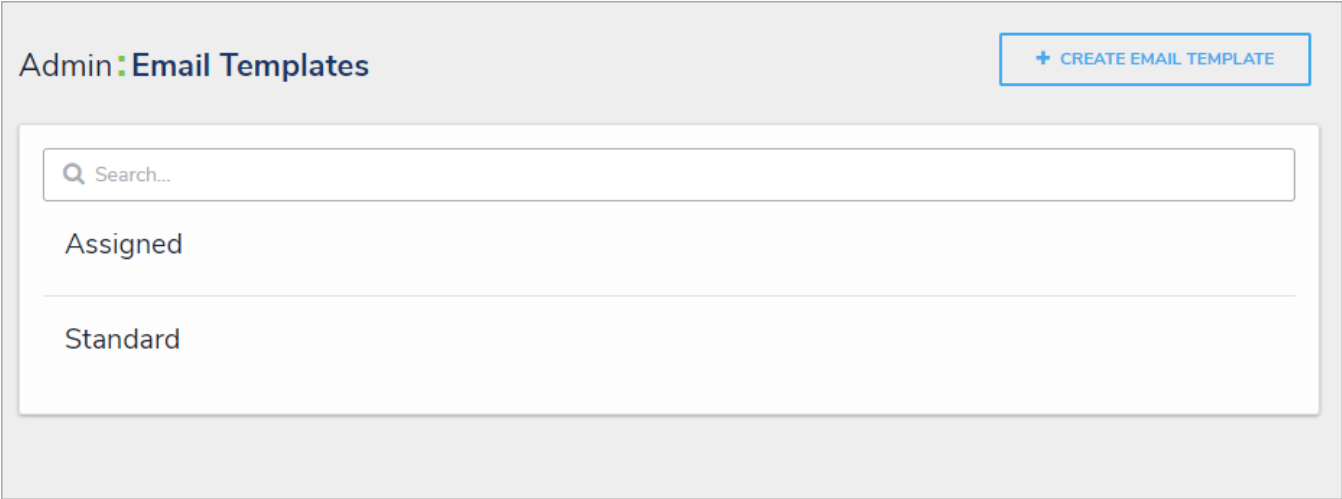
```
**Priority:** Priority  
**Category:** Category  
**Requirements:** Requirements  
  
This record was ** createdBy ** on ** createdOn **.
```

Variables with Markdown formatting. Note the spaces around each variable that has emphasis formatting applied.

Create a New Custom Email Template

To create a new email template:

1. Click the  icon in the top bar > **Email Templates** in the **Other** section.
2. Click **Create Email Template** to display the **Create an Email Template** page. Note that all organizations have two default templates that will appear on this page. See [Edit the Default \(Standard or Assigned\) Templates](#) for more information.



The *Email Templates* settings page.

3. Enter a name for the template in the **Email Template Name** field, ensuring the name has not already been assigned to another template.
4. Enter a subject line in the **Email Subject Line** field. This line must be a minimum of 5 characters, which may include both letters and numbers. To automatically populate the name of your Resolver Core organization in this field using a variable, alone or with additional text, enter `{orgName}`. The `{orgName}` variable is case-sensitive.
5. Enter a custom message in the **Email Body** field. This message will appear above the links to the relevant objects and requires a minimum of 10 alphanumeric characters.
6. **Optional:** To embed a field or property variable, type **+** in the **Email Subject Line** or **Email Body** field, begin typing a field or property name to narrow down the search results, then click the variable to add it to the template. See the [Email Template Variables](#) article for more information on adding email variables, including which fields and properties are supported.



Variables in an email template.

7. **Optional:** Apply styling to a custom message or variable(s) in the **Email Body** field. To view basic styles, click the  icon in the **Basic Markdown Formatting** section. For more information applying formatting, see [Popular Markdown Styles](#).

Email Template Name

Review Required Template

Make sure to select a name for your template that does not exist.

Email Subject Line ?

The name record requires your attention.

Email Body ?

****Priority:**** Priority
****Category:**** Category
****Requirements:**** Requirements

 Contact **** createdBy **** for more information.

Basic Markdown Formatting

HEADERS	EMPHASIS	LISTS	
# h1	<i>*italic*</i>	<u>Unordered</u>	<u>Ordered</u>
## h2	**bold**	-Item 1	1. Red
	---strikethrough---	-Item 2	2. Green
		-Item 3	3. Blue

A new email template with Markdown formatting and variables.



To apply emphasis formatting (i.e. italic, bold, or strikethrough) to a variable, it must be enclosed in spaces (e.g. `* Text *`).

8. **Optional:** To display your company's logo in the top-left corner of the template, type or paste the public URL of the image in the **Logo** field. When inserting a custom logo in an email template, note that:

- The logo must be saved in JPEG, JPG, or PNG format.
- The image URL must end in .jpeg, .jpg, or .png. If a URL that does not end in one of these file extensions, the **Logo** field will display an error.
- The ideal dimensions of the logo are 210 x 56px. If the image is larger or smaller, it will be reduced or enlarged in the template..

Logo

https://www.yourcompany.com/logo.jpg

Upload your company's logo to a file storage website and then paste the public URL above

CANCEL **✓ CREATE**

The Logo field. If the URL does not end in a .jpg, .jpeg, or .png, an error will be displayed.

9. Click **Create** to save your changes and view the **Edit Email Template** page, where you can view a preview of the template, make changes to any of the fields, and view a list of [workflows](#) associated with the template in the **Email Template Workflow References** section.
10. If the email template is being used in a workflow, the object type's monogram, name, and workflow name will appear in

this section as a link (e.g. [Object Type Name] - Workflow [Workflow Name]). Clicking these links will display the related **Edit Workflow** page.



Hello {User}

Priority: {Value}
Category: {Value}
Requirements: {Value}

Contact {Value} for more information.

Click the link below to access:

[Object name](#)
[Object name](#)

Powered by  **RESOLVER**

You received this email because your company has subscribed to Resolver Core

Email Template Workflow References

This Email Template is linked to the following Workflows:

There are no Workflows linked to this Email Template

The Edit Email Template page displaying a preview of the email and associated workflows, if any.

Edit the Default (Standard or Assigned) Email Templates

By default, every organization has two email templates:

- **Standard:** Advises users that there are one or more objects that require attention.
- **Assigned:** Advises users that one or more objects have been assigned to them.

These templates cannot be deleted, however, all fields in the templates can be edited, including the template name.



Because each field in a template can be edited, the default templates in your organization may have been renamed.

To edit a default template:

1. Click the  icon in the top bar > **Email Templates** in the **Other** section.
2. Click the default template you want to edit (**Standard** or **Assigned**) to open the **Edit Email Template Page**.

Email Templates: Edit Email Template

Email Template Name

Standard

Make sure to select a name for your template that does not exist.

Email Subject Line ?

Resolver: {orgName} Requires your Attention

Email Body ?

There are updates that require your attention.

Basic Markdown Formatting

Logo

Upload your company's logo to a file storage website and then paste the public URL above

✓ DONE

The Edit Email Template page.

3. Enter a new or revised name for the template in the **Email Template Name** field, ensuring the name has not already been assigned to another template.
4. Enter a new or revised subject line in the **Email Subject Line** field. This line must be a minimum of 5 characters, which may

include both letters and numbers. To automatically populate the name of your Resolver Core organization in this field using a variable, alone or with additional text, enter **{orgName}**. This variable is case-sensitive.

5. Enter a new or revised message in the **Email Body** field. This message will appear above the links to the relevant objects and requires a minimum of 10 alphanumeric characters.
6. **Optional:** To embed a field or property variable, type **+** in the **Email Subject Line** or **Email Body** field, begin typing a field or property name to narrow down the search results, then click the variable to add it to the template. See the [Email Template Variables](#) article for more information on adding email variables, including which fields and properties are supported.



Email Subject Line ?

The {name} record requires your attention.

Email Body ?

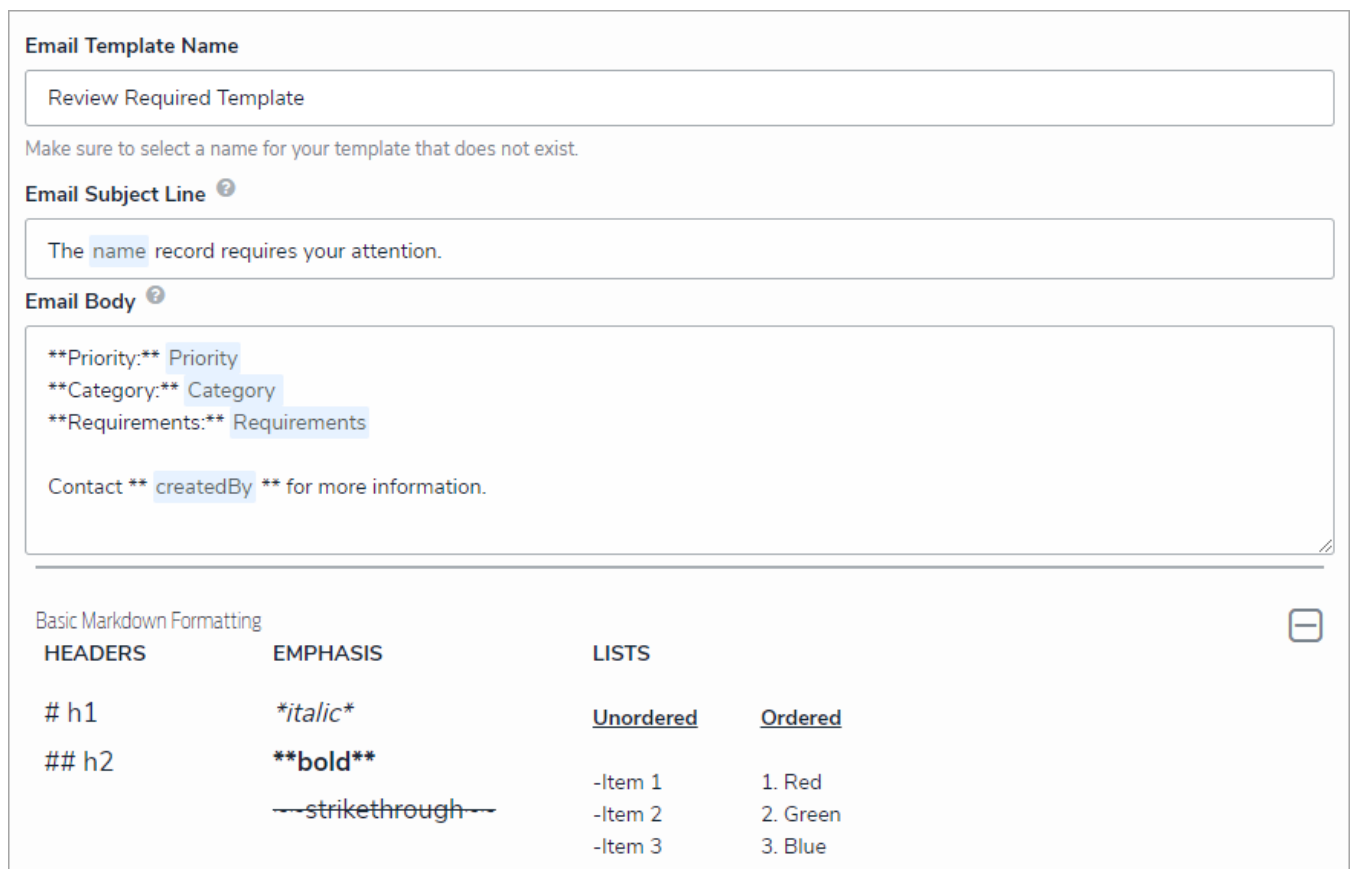
+created

createdBy PROPERTY

createdOn PROPERTY

Variables in an email template.

7. **Optional:** Apply styling to a custom message or variable(s) in the **Email Body** field. To view basic styles, click the  icon in the **Basic Markdown Formatting** section. For more information on applying formatting, see [Popular Markdown Styles](#).



Email Template Name

Review Required Template

Make sure to select a name for your template that does not exist.

Email Subject Line ?

The {name} record requires your attention.

Email Body ?

****Priority:**** {Priority}

****Category:**** {Category}

****Requirements:**** {Requirements}

Contact **** {createdBy} **** for more information.

Basic Markdown Formatting 

HEADERS	EMPHASIS	LISTS	
# h1	<i>*italic*</i>	<u>Unordered</u>	<u>Ordered</u>
## h2	**bold**	-Item 1	1. Red
	---strikethrough---	-Item 2	2. Green
		-Item 3	3. Blue

A new email template with Markdown formatting and variables.



To apply emphasis formatting (i.e. italic, bold, or strikethrough) to a variable, it must be enclosed in spaces (e.g. * Text *).

8. **Optional:** To display your company's logo in the top-left corner of the template, type or paste the public URL of the image in the **Logo** field. When inserting a custom logo in an email template, note that:

- The logo must be saved in JPEG, JPG, or PNG format.
- The image URL must end in .jpeg, .jpg, or .png. If a URL that does not end in one of these file extensions, the **Logo** field will display an error.
- The ideal dimensions of the logo are 210 x 56px. If the image is larger or smaller, it will be reduced or enlarged in the template.

Logo

Upload your company's logo to a file storage website and then paste the public URL above

CANCEL

✓ CREATE

The Logo field. If the URL does not end in a .jpg, .jpeg, or .png, an error will be displayed.

9. If the email template is being used in a workflow, the object type's monogram, name, and workflow name will appear in this section as a link (e.g. [Object Type Name] - Workflow [Workflow Name]). Clicking these links will display the related **Edit Workflow** page.



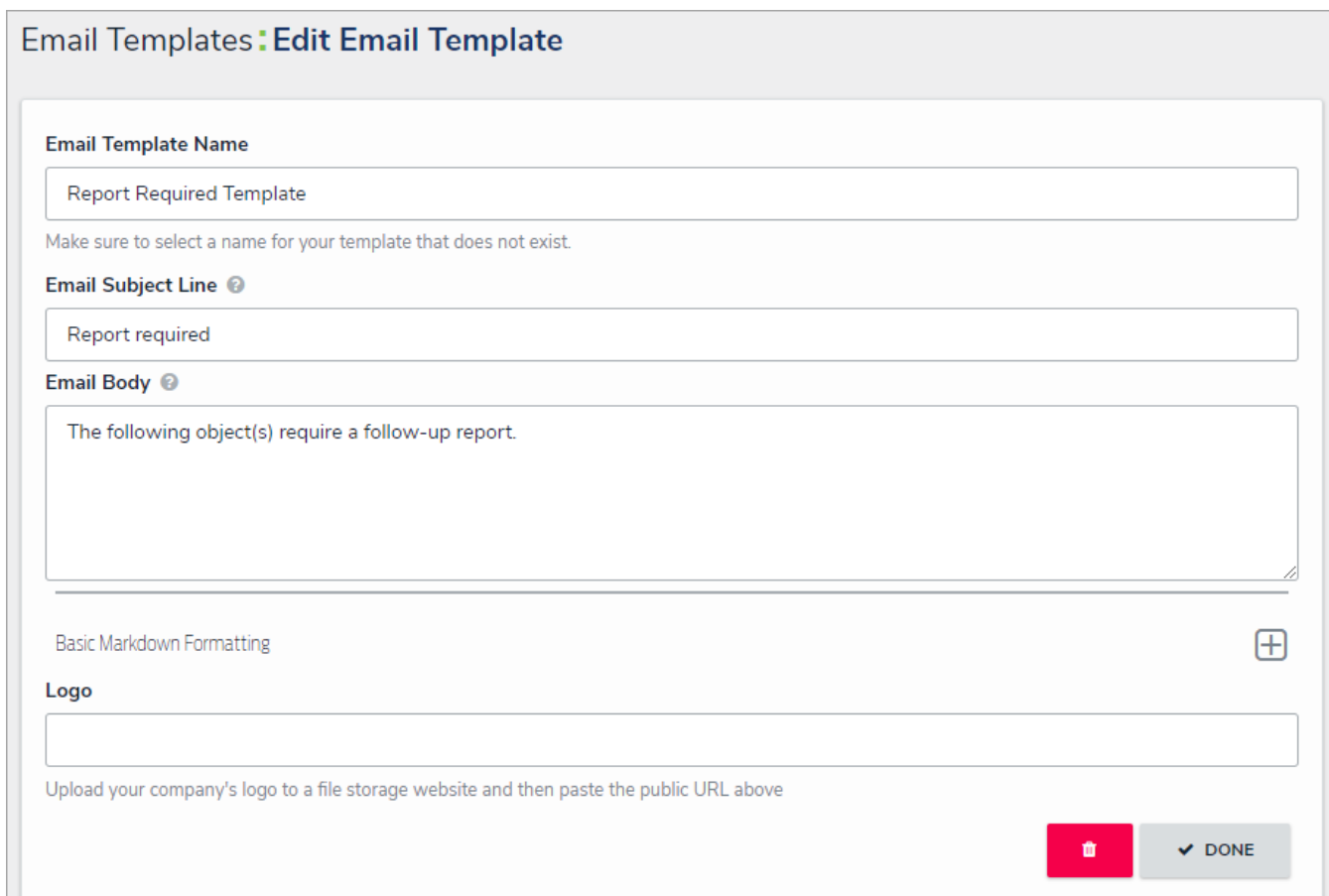
Default templates cannot be deleted.

Edit or Delete a Custom Email Template

A custom email template is any template that is **not** a [default template](#) (**Standard** or **Assigned**). Both custom and default templates can be edited, but only custom templates can be deleted, provided they are not currently selected in a [Messaging](#) action in a workflow.

To edit or delete a custom email template:

1. Click the  icon in the top bar > **Email Templates** in the **Other** section.
2. Click the template you want to edit to open the **Edit Email Template Page**.



The Edit Email Template page for a custom template. For default templates, the trash can (delete) icon is grayed out.

3. Enter a new or revised name for the template in the **Email Template Name** field, ensuring the name has not already been assigned to another template.
4. Enter a new or revised subject line in the **Email Subject Line** field. This line must be a minimum of 5 characters, which may include both letters and numbers. To automatically populate the name of your Resolver Core organization in this field using a variable, alone or with additional text, enter **{orgName}**. This variable is case-sensitive.
5. Enter a new or revised message in the **Email Body** field. This message will appear above the links to the relevant objects and requires a minimum of 10 alphanumeric characters.
6. **Optional:** To embed a field or property variable, type **+** in the **Email Subject Line** or **Email Body** field, begin typing a field or property name to narrow down the search results, then click the variable to add it to the template. See the [Email Template Variables](#) article for more information on adding email variables, including which fields and properties are supported.
7. **Optional:** Apply styling to the custom message or variable(s) in the **Email Body** field. To view basic styles, click the 

icon in the **Basic Markdown Formatting** section. For more information on Markdown, on applying styles, see [Popular Markdown Styles](#).



To apply emphasis formatting (i.e. italic, bold, or strikethrough) to a variable, it must be enclosed in spaces (e.g. * Text *).

8. **Optional:** To display your company's logo in the top-left corner of the template, type or paste the URL where the image is uploaded in the **Logo** field. When inserting a custom logo in an email template, note that:
 - The logo must be saved in JPEG, JPG, or PNG format.
 - The image URL must end in .jpeg, .jpg, or .png. If a URL that does not end in one of these file extensions, the **Logo** field will display an error.
 - The ideal dimensions of the logo are 210 x 56px. If the image is larger or smaller, it will be reduced or enlarged in the template.
9. To delete the template, click the  icon, then **Yes** to confirm. If this icon is grayed out, the template is either a [default template](#) or is currently selected in a workflow action.
10. To review view a list of workflows the template is currently associated with, see the **Email Template Workflow Reference** section at the bottom of the page. If the email template is being used in a workflow, the object type's monogram, name, and workflow name will appear in this section as a link (e.g. **[Object Type Name] - Workflow [Workflow Name]**). Clicking these links will display the related **Edit Workflow** page.

Anonymous Login Overview

The **Anonymous Login** feature allows administrators to use a single account to grant multiple users limited access to Core. This is done by generating a URL that will display only the form/activity selected in the settings, without requiring login credentials. This feature is useful for organizations that occasionally require non-employees or ground-level employees to access Core and/or anonymously create or edit data.

Because all changes made while using Anonymous Login is captured in the [Audit Trail](#) , before creating an anonymous login URL, administrators must first create a non-administrative [user account](#) and assign that account to a [role](#) that will have access to the object type(s) and activity (if applicable) that have been selected in the anonymous login settings.

Anonymous Login : New Anonymous URL

Name

Web Portal

Description

User

Portal User

Type

Activity

Application

Incident Reporting

Activity

Report an Incident

Login Url

https://[redacted].resolver.com/go/2750e12f81812e422532d24a2ffce9963aeb737a6

REGENERATE

✓ DONE

The Anonymous Login feature.

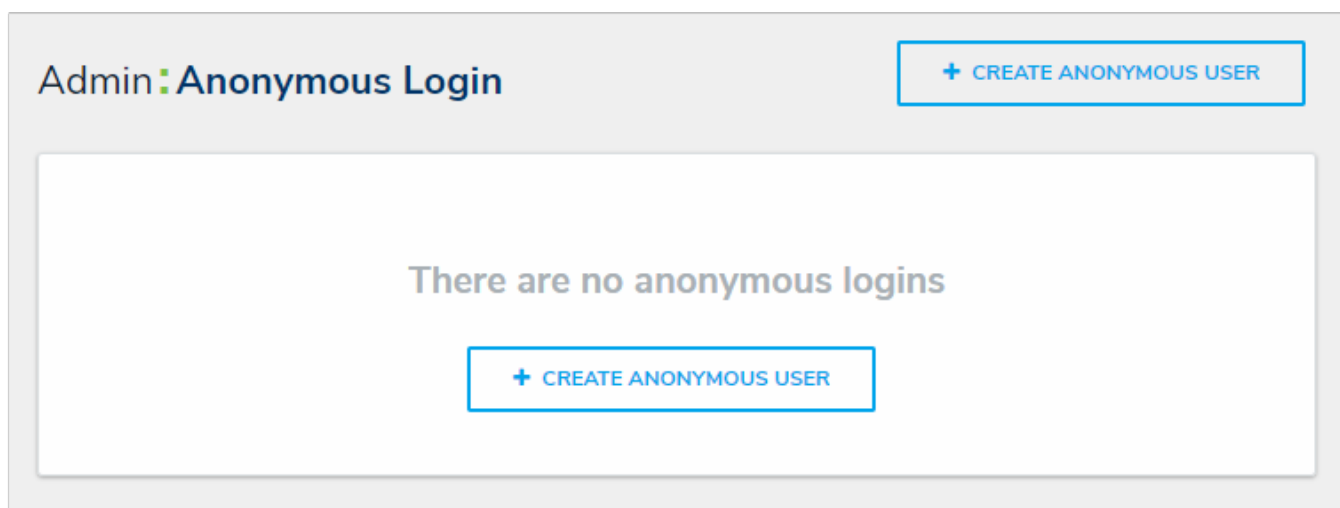


By creating an anonymous login URL, you are accepting the Terms of Service on behalf of the users who will be accessing the link.

Create an Anonymous Login

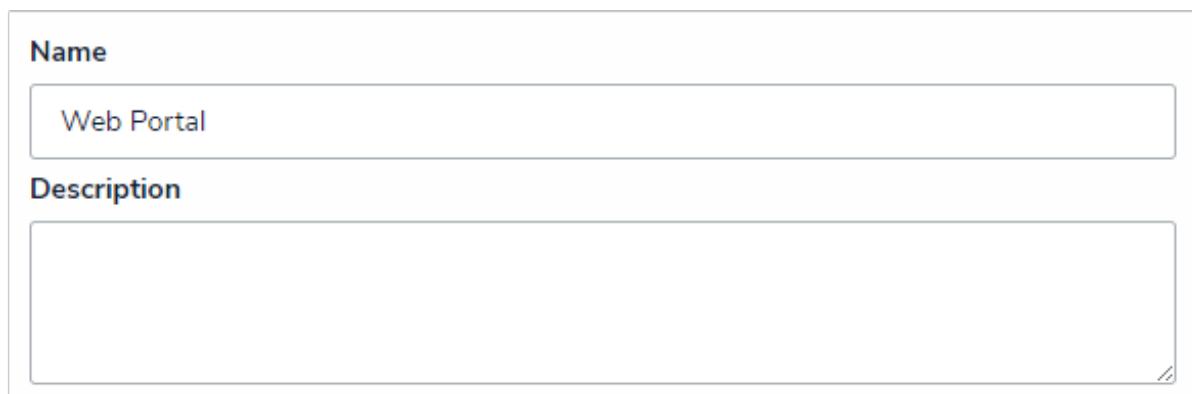
To create an anonymous user and login URL:

1. Create a non-administrative [user account](#) for the login, then assign it to a [role](#) with access to the appropriate object type(s) and activity.
2. Click the  icon in the top bar > **Anonymous Login** in the **Other** section.
3. Click **Create Anonymous User**.



The Anonymous Login page.

4. Enter a name for the login in the **Name** field.



The Name and Description fields of a new anonymous login.

5. **Optional:** Enter a description of the login in the **Description** field. This description will appear below the login's name on the **Anonymous Login** page.
6. Select the non-administrative account created in step 1 from the **User** dropdown menu.
7. Select either **Form** (to display a configurable form only) or **Activity** (to display the actions and views within an activity) from the **Type** dropdown menu:
 - If you selected **Form**:
 - a. Select an object type from the **Object Type** dropdown menu.

- b. Select a configurable form from the **Form** dropdown menu.

Name

Description

User

Portal User

Type

Form

ObjectType

Incident

Form

New Incident

CANCEL

✓ CREATE

A new Form anonymous login.

- If you selected **Activity**:
 - a. Select an application from the **Application** dropdown menu.
 - b. Select an activity from the **Activity** dropdown menu.

Name

Web Portal

Description

User

Portal User

Type

Activity

Application

Incident Reporting

Activity

Report an Incident

CANCEL

✓ CREATE

A new Activity anonymous login.

- Click **Create** to save your changes and generate the anonymous login link in the **Login Url** field.

Login Url 

https://[redacted]resolver.com/go/c3f30b68f7138689b2c08dd2

REGENERATE

The Login URL displaying the anonymous login URL. This field is read only, but you can copy the link to your clipboard.

- To share the link, select the it in the **Login Url** field, then copy it to your clipboard to paste into an email, document, etc.
- If the URL needs to be regenerated for security reasons, click **Regenerate** to create a new link.



With the exception of the **Name** and **Description** fields, editing an existing anonymous login will require a new **Login Url** link to be generated.

Edit or Delete an Anonymous Login

To edit or delete an anonymous login:

1. Click the  icon in the top bar > **Anonymous Login** in the **Other** section.
2. Click the anonymous login you wish to edit.
3. Make changes to the fields as required.
4. If necessary, click **Regenerate** to create a new link.



With the exception of the **Name** and **Description** fields, editing an existing anonymous login will require that a new **Login Url** link is generated.

5. To delete the anonymous login, click , then **Yes** to confirm.
6. Click **Done** when finished.

Markdown Formatting Overview

Markdown formatting is used to apply simple styling to text. Administrators can apply Markdown to the following items:

- [Fields](#) (Long Name);
- [Standard configurable forms](#) (Free Form Text);
- [Reports](#) (Free Form Text);
- [Email Templates](#) ;
- [Activities](#) (Description); and
- [Views](#) (Description)

See the [Supported Markdown Styles](#) article for more information on applying these styles.

Supported Markdown Styles

STYLE	DESCRIPTION	NOTES	EXAMPLE
#	Creates an H1 header style.	Must include a space between the hashtag and text (e.g. # Example). To terminate the header formatting, insert a new line in the text by pressing Enter on your keyboard.	Example
##	Creates an H2 header style.	Must include a space between the hashtags and text (e.g. ## Example). To terminate the header formatting, insert a new line in the text by pressing Enter on your keyboard.	Example
###	Creates an H3 header style.	Must include a space between the hashtags and text (e.g. ### Example). To terminate the header formatting, insert a new line in the text by pressing Enter on your keyboard.	Example
####	Creates an H4 header style.	Must include a space between the hashtags and text (e.g. #### Example). To terminate the header formatting, insert a new line in the text by pressing Enter on your keyboard.	Example
* *	Italicizes the text.	There can be no spaces between the asterisks and text (e.g. *Example*).	Example
** **	Bolds the text.	There can be no spaces between the asterisks and text (e.g. **Example**).	Example
~~ ~~	Strikes through the text.	There can be no spaces between the tildes and text (e.g. ~~Example~~).	Example

STYLE	DESCRIPTION	NOTES There can be no spaces between the dash and the list items	EXAMPLE
- - -	Creates an unordered list.	(e.g: -Example 1 -Example 2 -Example 3). You may continue the unordered list past three items, if needed.	• Example 1 • Example 2 • Example 3
1. 2. 3.	Creates an ordered list.	Spaces between the numbers and text are permitted (e.g: 1. Example 1 2. Example 2 3. Example 3). You may continue the ordered list past three items, if needed.	1. Example 2. Example 3. Example
[Text](http://www.url.com)	Creates an inline link with text.	The "http://" or https:// prefix must be included (e.g. [Example Text]http://www.example.com)).	Example Text
[Text](http://www.url.com "alt text")	Creates an inline link with text and alt text.	The "http://" or https:// prefix must be included (e.g. [Example Text] (http://www.example.com "Example Alt Text"))).	Example Text
![alt text] (http://www.imageurl.com)	Inserts an inline image with alt text.	Alt text and the "http://" or "https://" prefix must be included (e.g. ! [Resolver Logo](http://www.resolver.com/logo.png)). The image will appear in its original size. See the Image Upload & Custom Logos article for information on creating image file URLs.	

Printing Overview

You can print a form or report directly from your browser by pressing Ctrl + P (Windows) or Cmd + P (Mac).

To include additional graphics, such as the color of a unique ID or current workflow state, follow the instructions below:

For Chrome:

1. Click Ctrl + P (Windows) or Cmd + P (Mac) to open Chrome's printer settings.
2. Click **More Settings**.
3. Select the **Background graphics** checkbox.

For Internet Explorer/Edge:

1. If you're using Edge, click the  icon in the top-right corner of the browser, then click **Open with Internet Explorer**.
2. From Internet Explorer, click Ctrl + P (Windows) or Cmd + P (Mac) to open the printer settings.
3. Click the  icon.
4. Hover your cursor over **Print**, then click **Page Setup**.
5. Select the **Print Background Colors and Images** checkbox.
6. Click **OK**.

See the [Print from Chrome](#) article from the Google Support Site or the [Print webpages using Internet Explorer](#) article on the Microsoft Support site for more information.



If you're printing a table with multiple pages, each page of the report will need to be printed individually.



If a form or report is not printing in color, check your printer's settings.

Version 2.7 Orientation Video

This video covers some of the new features available in the 2.7 release. For a full list of features and bug fixes, check out the [Version 2.7 Release Notes](#).

Version 2.6 Orientation Video

This video covers some of the new features available in the 2.6 release. For a full list of features and bug fixes, check out the [Version 2.6 Release Notes](#).

Email Templates Orientation Video

The video below will provide a quick introduction to the **Email Templates** settings. For more detailed information, see the following articles:

- [Email Templates Overview](#)
- [Create a New Custom Email Template](#)
- [Edit or Delete a Custom Email Template](#)
- [Edit the Default \(Standard or Assigned\) Templates](#)

Your browser does not support HTML5 video.

Version 2.4 Feature Overview Video

This video covers some of the new features available in the 2.4 release. For a full list of features and bug fixes, check out the [Version 2.4 Release Notes](#).

About Pendo Analytics

Resolver is always working to improve our products and user experience. To do just that, we employ a powerful analytics and user-engagement tool called Pendo, which helps us understand product usage, develop new features, and boost adoption of our Core products.

Using Pendo's variety of tools, such as in-app walkthroughs, tutorials, and guides, we collaborate with our customers to collect usage data and feedback which is then leveraged internally for customer engagement analysis and product improvements. These analytics can also be helpful to our customers by showing how their end-users interact with the software and identifying ways to increase efficiency.

This article provides some examples of how Resolver uses Pendo, potential use cases for our customers, and answers to some commonly asked questions. If you have additional questions, or you'd like to learn more about how Pendo might help you, contact your Customer Success Manager or [submit a support ticket](#).

Collected Data

The data we collect through Pendo is focused on user behavior and non-specific analytics, including:

- User tunnels and paths.
- Time spent on a page and the site.
- Days active and date last visited.
- Browsers and language settings.
- Page hits and events.
- Feature usage and usage trends.
- Activity trends to align with release outages.

By default, the only PII (personally identifying information) passed to Pendo is a user's first name, last name, and email address, but customers have the option of excluding this information from the collected data.

Security

Pendo takes security and data protection seriously. In addition to undergoing annual third-party penetration testing, it's [SOC 2-compliant](#) and observes [GDPR standards](#).

No customer data hosted by Core is ever shared to Pendo. Only general analytics data, as noted above in the **Collected Data** section, is shared. For more information on how customer data is protected, see the [Data Privacy & Security](#) article on the Pendo website or contact your Resolver representative.

Resolver Usage Examples

- **General analytics:** User behavior, statistics, and trends are collected and shared with various teams to understand how the software is used.
- **User communications:** Quick and easy communication of release-related information (e.g., release dates, outages, and release notes), optional announcements, in-app training on new features, and customer feedback collection via administrator focused NPS surveys.
- **Product and UX enhancements:** Analytics data is reviewed by the Product team to help identify and implement improvements, develop new features, and boost product adoption by:
 - Promoting new features and upgrades through announcements and banners.

- Enabling trials for prospective customers.
- Educating new, existing, and trial users on features, enhancements, and upgrades through in-app guides, tutorials, and tooltips.

Customer Usage Examples

- **User base analysis:** Gain new insight on how the software is used in your organization with valuable stats, such as a comparison of the time spent completing tasks before and after the software implementation. This can be used in a quantitative analysis of time and cost to be positioned internally as clear evidence of ROI.
- **Positive user adoption:** Identify and remedy gaps in the configuration based on user behavior.
- **Education:** Save time and money and avoid repetitive training sessions by offering customer-branded in-app guides, training, and walkthroughs.
- **Corporate policy acceptance:** Enforce and report on user acceptance of internal policies and data privacy disclaimers on initial login.

FAQs

Q: Is any PII information sent to Pendo?

A: By default, users' full names and email addresses are sent to Pendo.

Q: Why are full names and email addresses sent?

A: Customers can choose not to send this information, but when it is collected, it's used to help us gather NPS feedback. This data is also required for customers who want to use Pendo to collect quantitative data for a user base analysis (see the **Customer Usage Examples** section for more information).

Q: Is there any way to disable sending full names and email addresses?

A: Not in the current version of Core, but we're introducing a feature in 2.8 (targeted for September 2019) that will allow customers to enable or disable the transmission of this information.

Q: Where is the data stored?

A: Data collected by Pendo is stored in Google's Cloud Platform in the United States.

Q: Is the data hosted by Pendo encrypted?

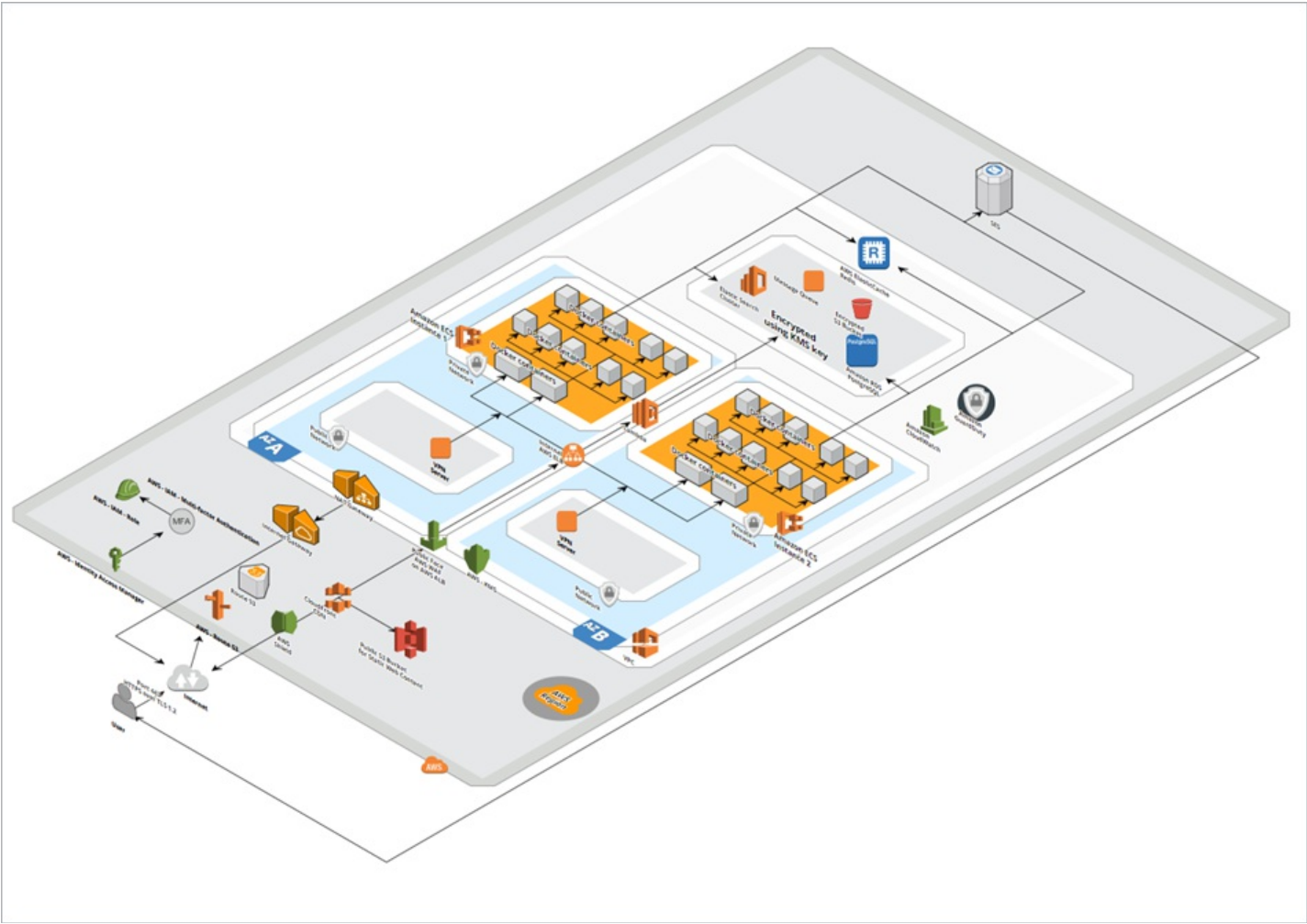
A: Yes. All data is encrypted during transfers and at rest.

Q: Where do I go if I have more questions?

A: Be sure to check out Pendo's [Data Privacy & Security](#) article for more detailed information on how data is collected, transferred, and stored. If that doesn't answer your question, contact your Customer Success Manager, Account Executive or [submit a ticket](#) through our Resolver Support site.

AWS Deployment Architecture

Core's deployment architecture is illustrated in the below diagram. Click [here](#) for a full-sized view.



Core's AWS deployment architecture.

Glossary of Terms

<i>TERM</i>	<i>DEFINITION</i>
Action	Actions are saved to activities and appear to users as a button that, when clicked, will display a selected form so users enter and save data in an object.
Action (Transition)	Actions on a transition allow administrators to add an automated process to an object as it moves through its workflow states.
Activity	Saved to an application, activities determine the data an end user will create, edit, and view through any actions or roles saved to that activity.
All Access	A user account settings, All Access grants users access to all object types and their objects within the organization. This means a user with these settings enabled will be able to view all objects and their data without an administrator adding the user to a role, adding one or more object types to the role, then configuring the workflow permissions.
Anchor	An object type used to create data definitions, which allow you to select which relationships and references a data visualization or assessment will be drawn from.
Anonymous Login	A tool that uses a single user account to generate a link to grant multiple users limited access to Core. Users with the link don't need to provide login credentials, but may only view the form/activity selected in the settings.
Application	A composite of all the key elements within Core (object types, object type groups, fields, forms, roles, etc.) that directs the flow of data to end users. Applications hold activities where users complete tasks (actions) and view information (views).
Assessment	Allows users to collect, review, and assess data by evaluating business activity (e.g. audit, investigation, control assessment, etc.) continuously or from a particular point in time, from different dimensions. Assessments have functionality similar to object types and can have components, workflows, objects, and can be added to applications, reports, and object type groups, etc.
Bar and Column Charts	A type of report that can be shown as bars or columns and displays data from numeric fields, select lists, formulas, relationships, and workflow states.
Component	A field, relationship, reference, formula, or role that can be saved to an object type that can then be added to a configurable form.
	A set of requirements that must be met before an object is moved to a state and

Condition <i>TERM</i>	A set of requirements that must be met before an object is moved to a state and an action is performed. Conditions are created on triggers in an object type's workflow. <i>DEFINITION</i>
Configurable Forms	A feature that allows you to create custom forms for users to complete as they work through actions and views within an activity. You can create headers, include instructions, add relationships, references, formulas, and roles (components), as well as add fields that can be marked as required or read-only. You can select specific configurable forms to display depending on the current state of the object.
Creation state	An auto-created state on every workflow that cannot be deleted, but its name, description, color, triggers, and transitions can be edited. An object cannot be saved until it has successfully transitioned from the Creation state to another state in the workflow.
Data Definition	Used to select which relationships and references a data visualization or assessment will draw its data from. The relationships and references you can choose from depend on the anchor or assessment's focus object type.
Data Grid	A data visualization that displays object data in a spreadsheet-style format. Users accessing a data grid through a view can sort, filter, and edit data, as well as show or hide columns, click through pages, and adjust column width or the number of rows displayed per page.
Data Import	A feature that allows you to create new objects and enter relationship data in bulk by entering data on a spreadsheet, then uploading that spreadsheet into CORE. Data Import does not create new object types or relationships, but it can update existing objects' data.
Data Path	Part of a data definition, the data path displays all the relationships and references saved to the selected anchor or focus object type, so you choose which object types data is drawn from.
Data Visualization	Displays data from a selected anchor (object type) in reports (charts, heat maps, or tables), export reports, or data grids.
Default form	An auto-created form that displays all the components added to an object type (except roles). Default forms cannot be edited, but you can control the components a user sees through configurable forms.
Default state	An auto-created state on every workflow that can be edited or deleted as needed, however, if this state is deleted, you must ensure the Creation state which is also auto-created, has another state to transition to as failure to do so will prevent an object from being saved.

Dimension <i>TERM</i>	The category of data that appears on an assessment. Dimensions can be custom (similar to a select list) or based upon any relationships or references saved to the focus object type. <i>DEFINITION</i>
End users	The non-administrative users who work with CORE and its applications after the applications have been created and configured.
Explicit permissions	Permissions on a role that grants users access to specific objects based on the object types added to the role. Before a user can see any objects, the role must be added as a component on the object type and configurable form, then the user must be selected in the role field that appears on the form. Users with explicit permissions may also be granted inferred permissions so they can view objects related through relationships or references. You may also need to configure inferred permissions for roles with explicit permissions enabled.
Field	A component added to an object type and configurable form where a user can input data. Fields can include plain text, numeric, date and time formats, as well as select lists (dropdown menus), and attachments.
Formula	A component that compiles data from numeric and variable values to generate conclusions, such as Incident Severity, Estimated Damage, or Likelihood the Incident Will Recur by displaying data on objects as a number, label (e.g. Low, Medium, High), or both a number and labels, all with optional colors. Variable data is created from numeric data from fields added directly to an object type or from fields on an object type added through a relationship or reference.
Focus	The object type selected to create an assessment. Focus object types are then used to create data definitions, which allow you to select which relationships and references the assessment data will be drawn from.
Global permissions	Permissions on a role that grants users access to all the records (objects) for the object type(s) added to that role. Users with global permissions do not need to be added to an object to view it nor do they need to be granted inferred permissions, but what they can do with the objects (create, read, edit, etc.) is determined by their role's workflow permissions for each state.
Inferred permissions	Additional permissions on a role that allows administrators to select which additional objects, connected through relationships or references, a user has access to without directly granting permission through the role field on a form. This ensures users within a particular role with explicit permissions are indirectly given the appropriate access to the information they need when interacting with related objects.
	An object that contains the same data as an existing object referenced on an assessment. Instances are saved to the assessment and contain the same data as

Instance TERM	the original object, but are assigned unique IDs that are .1 number higher than the original. Any additional instances on the same object are assigned IDs that continue incrementally (e.g. .2, .3, .4, etc.). You can also identify instances in a view because they display the dimensions from the assessment below their names.
Heat Map	A report type that uses colors and X and Y axes to show where object data falls on a scale. Heat maps are most commonly used when analyzing an organization's risks, the likelihood the risks will occur, and the impact on the organization should they occur.
Monogram	One to three letters, with or without a color, that represent and help you quickly identify object types throughout the system.
Object	A record saved to an object type (the record category). For example, Incident is the object type, while Accident, which outlines the details of an on-site incident, is the object.
Object type	The category of the data collected (e.g. Incident, Employee Record, Witnesses, Vehicles, etc.). Once a record is saved to an object type, it becomes an object. Object types can be configured to control who can access them, what fields are visible and completed on forms, and the process through which the data is collected.
Object type group	One or more object types assembled into a group for the purposes of creating a relationship. When creating a relationship, you must select an object type group, which determines which object types the data is drawn from when completing the relationship field or table on a form.
Org Manager	A feature through which you can duplicate the configurations and user accounts (but not the data) of an existing organization into a new organization. This is done by exporting the configurations from the existing organization into a JSON file, then uploading the file to a blank organization through Org Manager.
Pie chart	A type of report. Pie charts can be shown as a full pie chart or half-pie chart and display data from numeric fields, select lists, formulas, relationships, and workflow states.
References	A component that indicates that multiple objects are connected through a relationship. For example, if you created a relationship called "Incident Report Writer" on the Incident object type using a group with the Employee Record object type saved to it, you can add a reference to an Employee Record configurable form to show any incidents an employee may have created. References are automatically created with relationships.
	A component that connects two or more object types together when object types

TERM	DEFINITION
Relationships	are added to an object type group and that group is selected when creating a relationship. For example, to track which employees are creating Incident objects, you would add the Employee Record object type to a group called “Employees,” then create a relationship on Incident using the Employees group, naming the relationship “Incident Report Writer.” Users creating new Incident objects will now be able to select or create an Employee object in the “Incident Report Writer” field to indicate who created the report.
Repeatable Forms	Displays object data as it was entered into a form. This allows users to view and share non-editable, printer-friendly versions of completed forms or forms in read-only mode with other users. Note that if a user does not have permission to see an object, the form will not be displayed on the report.
Reports	Displays data from a selected anchor (object type) in pie charts, bar charts, tables, repeatable forms, or heat maps. You can also add free form text to reports.
Roles	A feature that controls the data a user can create, edit, delete, view, or manage on object types. When users are added to a role, they’re bound by the permissions configured on the role, which include global, explicit, or inferred permissions.
States	The various stages of the data collection process (e.g. Create, Triage, Review, Investigate, Close) that are saved to a workflow. You can create multiple states, but you must have at least two states on an object type to successfully save new objects.
Table	A type of report that displays data in columns based on your selection in the report settings. Users can click on any of the data in the report to display a form selected by administrator. Table data can be exported to a Word or Excel file from a view.
Transition	A workflow element that defines the state an object will move to once a trigger has been clicked on a form. For example, if a user clicks the Create trigger, the transition saved to that triggers determines that the object will move to the Triage state. You can also add actions to transitions that can send emails to users within selected roles or automatically add the currently logged in user within a selected role to object so that they may access it once it has transitioned.
Trigger	The event in a workflow that prompts an action and the movement of an object from one state to another. Triggers are either timed to automatically prompt an action each night or appear as clickable buttons on a form that, once clicked, moves the object to another state and performs an action based on the transition saved to the trigger. For example, clicking Create on a new Incident will move the object from the Creation state to Triage. The state an object moves to is determined by the transition saved to the trigger.

User Groups TERM	
	A collection of CORE users saved to a group (e.g. Employees or Managers) for the purposes of quickly adding those users to activities.
Value	Data entered or selected in a field. For example, Name is the field, but the data entered in that field, John Doe, is the value.
View	Displays data visualizations and/or list of objects a user can review or edit as needed. You can specify which objects, reports, or forms are displayed based on the object type and workflow state. Views are saved to activities.
Workflow	Settings that allow administrators to control the flow of data as well as define what data is displayed, where it's displayed, and to whom it's displayed through applications, activities, search results, data visualizations, and assignments. Workflows are comprised of states, triggers, transitions, conditions, and actions. Each object type must have a workflow.

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