

## View & Export the User Audit Trail

When exporting audit trail data, any time range can be specified; however, the API will only return the most recent 50,000 results. If this limit is reached for a particular time frame, the remainder of the data can be obtained by making another API request. See step 15 in the [Export the User Audit Trail](#) section below for more details.



For details on the events captured in the audit trail, see the [User Audit Trail Events & Filters](#) article.

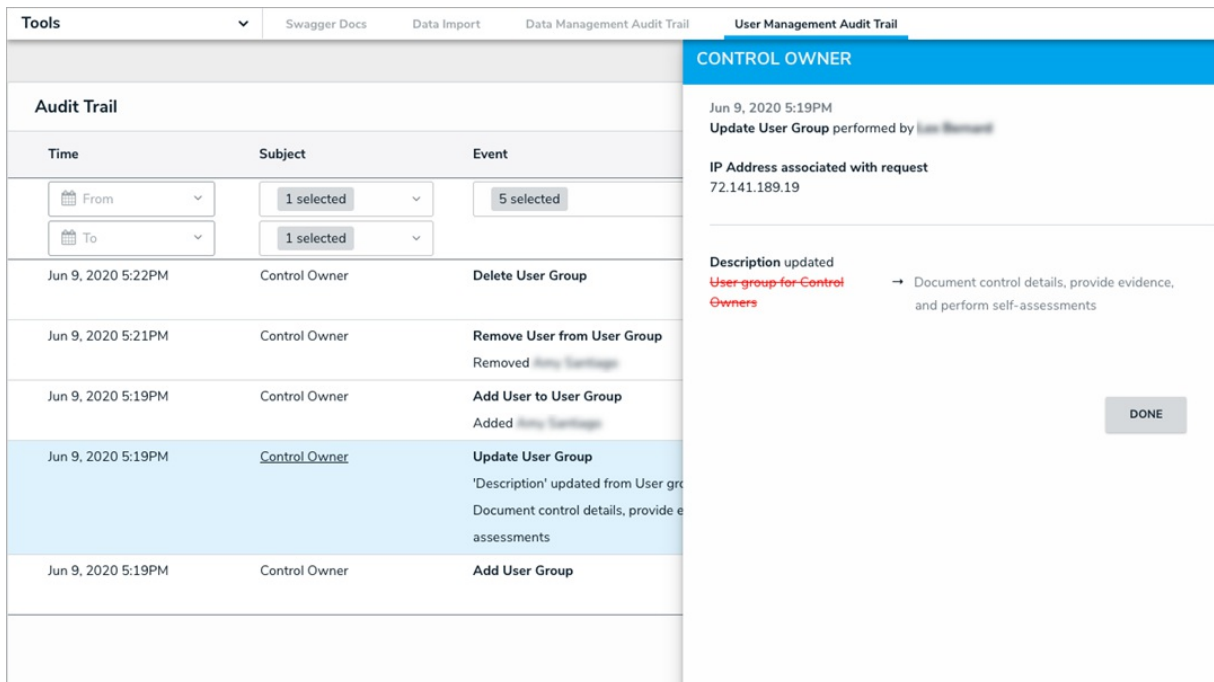


Recent events will appear in the audit trail after a few minutes of processing time.

## View the User Audit Trail

### To view the User Audit Trail:

1. Review the list of important notes in the [User Audit Trail Overview](#) article.
2. Click the  icon in the top bar > **User Audit Trail** in the **Tools** section.
3. If required, apply one or more filters to narrow down the data.
4. **Optional:** Click the numbers or < > icons at the top-right to scroll through additional pages.
5. Click the  icon at the top-right to refresh the data.
6. Click an event to display additional details in a palette.




The screenshot shows the 'User Management Audit Trail' interface. At the top, there are navigation tabs: 'Tools', 'Swagger Docs', 'Data Import', 'Data Management Audit Trail', and 'User Management Audit Trail'. Below the tabs is a table titled 'Audit Trail' with columns for 'Time', 'Subject', and 'Event'. The table contains several rows of events, with the most recent one highlighted in blue. To the right of the table is a detailed view of the selected event, showing the time, the user who performed the action, and the description of the event. A 'DONE' button is visible at the bottom right of the detailed view.

Time	Subject	Event
Jun 9, 2020 5:22PM	Control Owner	Delete User Group
Jun 9, 2020 5:21PM	Control Owner	Remove User from User Group Removed <a href="#">User Name</a>
Jun 9, 2020 5:19PM	Control Owner	Add User to User Group Added <a href="#">User Name</a>
Jun 9, 2020 5:19PM	<a href="#">Control Owner</a>	Update User Group 'Description' updated from User gr Document control details, provide e assessments
Jun 9, 2020 5:19PM	Control Owner	Add User Group

The User Audit Trail

## Export the User Audit Trail

### To export the User Audit Trail:

1. Review the list of important notes in the [User Audit Trail Overview](#) article.
2. Click the  icon in the top bar > **Swagger Docs** in the **Tools** section.

- Click **auditTrail** to open the Swagger interface.
- Click **POST /audit/user/export (Export User Audit Trail Data)** to expand it.

**auditTrail** Show/Hide List Operations Expand Operations

- GET /audit/user/deletedEntities/retrieveAll Get Deleted Config For AuditTrail
- POST /audit/user/export Export User Audit Trail Data**
- POST /audit/user/query Get User Audit Trail Data
- GET /audit/user/userChanges/load/{eventId} Get User Changes Config For AuditTrail
- GET /data/auditTrail/download/{jobId} Download the .csv for an audit export
- GET /data/auditTrail/export Request an export of a CSV of the audit trail data.

The **POST /audit/user/export** endpoint.

- Click the **Example Value** textbox in the **Parameters** section to populate the **body** textbox.

**POST /audit/user/export** Export User Audit Trail Data

Response Class (Status 200)  
OK

Model **Example Value**

```
{  
  "jobId": "string"  
}
```

Response Content Type

**Parameters**

Parameter	Value	Description	Parameter Type	Data Type
body	<pre>{   "dateStart": 0,   "dateEnd": 0 }</pre>		body	Model <b>Example Value</b> <pre>{   "dateStart": 0,   "dateEnd": 0 }</pre>

Parameter content type:

The expanded **POST /audit/user/export** endpoint.

- Delete the **0** beside the **dateStart** attribute in the **body** textbox, then enter a start date for the audit trail data using **Unix timestamp** format. Repeat the process to enter an end date for the **dateEnd** attribute.

**Parameters**

Parameter	Value
body	<pre>{   "dateStart": 1590969600,   "dateEnd": 1592524800 }</pre>

Parameter content type:

The **body** textbox.

- Click **Try it out!**
- Copy the string from the **Response Body** section to your clipboard. This is the job ID.

**Curl**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: text/html' --header 'Authorization: bearer eyJ...
```

**Request URL**

https://alpha.staging.resolver.com/audit/user/export

**Response Body**

859d3d77-f8d5-4605-ac7f-fa7e7876d27e

**Response Code**

200

**Response Headers**

```
{
  "access-control-allow-origin": "https://alpha.staging.resolver.com",
  "access-control-expose-headers": "WWW-Authenticate,Server-Authorization",
  "cache-control": "no-cache",
  "connection": "keep-alive",
  "content-length": "36",
  "content-type": "text/html; charset=utf-8",
  "date": "Thu, 30 Jul 2020 17:19:02 GMT",
  "vary": "origin",
  "via": "1.1 62ba7bce3b9fe4b9628be93f733bf2e4.cloudfront.net (CloudFront)",
  "x-amz-cf-id": "4A-b1w0efmRG0pe0f_tJKhiwp8YCeSSg5wQbIfRDdqrTJueDEwIgw==",
  "x-amz-cf-pop": "YT050-C1",
  "x-cache": "Miss from cloudfront"
}
```

The Response Body section.

- Scroll down and click **job** to expand it.
- Click **GET /object/job/{id} (Poll for status of job)** to expand it.
- Paste the job ID collected from step 8 above into their field.

**job** Show/Hide | List Operations | Expand Operations

**GET** /object/job/{id} Poll for status of job

**Response Class (Status 200)**  
OK

**Model** | Example Value

```
{
  "id": "string",
  "status": "string",
  "payload": {},
  "started": "2020-07-30",
  "finished": "2020-07-30"
}
```

**Response Content Type** application/json

**Parameters**

Parameter	Value	Description	Parameter Type	Data Type
id	859d3d77-f8d5-4605-ac7f-fa7e7876d27e		path	string

**Try it out!**

The expanded GET /object/job/{id} endpoint.

- Click **Try it out!**
- Copy the URL beside **signedURL** in the **Response Body** section to your clipboard.

**id** 859d3d77-f8d5-4605-ac7f-fa7e7876d27e **path** **string**

[Try it out!](#) [Hide Response](#)

**Curl**

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: bearer eyJhbGciOiJIU2U1LCJ0eXAiOiJKV1QiOjE0fQ.yJz
```

**Request URL**

```
https://alpha.staging.resolver.com/object/job/859d3d77-f8d5-4605-ac7f-fa7e7876d27e
```

**Response Body**

```
{
  "payload": {
    "savedFilename": "8a0792ef-626d-4763-a9cc-6a94e9e68297.csv",
    "displayFilename": "auditTrailUserExport_org_134_30-7-2020_436.csv",
    "signedUrl": "https://alpha.staging.resolver.com/file/file/859d3d77-f8d5-4605-ac7f-fa7e7876d27e?token=eyJhbGciOiJIU2U1LCJ0eXAiOiJKV1QiOjE0fQ.yJz",
    "contentType": "text/csv",
    "jobId": "859d3d77-f8d5-4605-ac7f-fa7e7876d27e"
  },
  "status": 2,
  "id": "859d3d77-f8d5-4605-ac7f-fa7e7876d27e",
  "finished": 1596129542,
  "started": 1596129542
}
```

**Response Code**

200

The Response Body section.

- Open a new tab in your browser and paste the URL in the address bar to begin downloading the CSV file. Up to 50k records are returned per file.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Date and Time	Subject Id	Subject Type	Subject	Action Id	Event Id	Event	Prev Value	Current Value	Performed By	Subject	External Reference Id	
2	Mon Jun 15 2020 23:47:51 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 9fc5d620-af1 146-63f0ee2 Remove Woi [{"name":"P (									
3	Mon Jun 15 2020 23:47:51 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 9fc5d620-af1 146-4b88bc3 Remove Woi [{"name":"P (									
4	Mon Jun 15 2020 23:47:51 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 9fc5d620-af1 146-37ced8e Remove Woi [{"name":"P (									
5	Mon Jun 15 2020 23:47:51 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 9fc5d620-af1 146-aaf15fa Remove Woi [{"name":"P (									
6	Mon Jun 15 2020 23:45:53 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 599e3de0-af 146-353ec6b Remove Woi [{"name":"R (									
7	Mon Jun 15 2020 23:44:39 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 2d8ef1e0-af 146-7e21025 Update Worl [{"name":"P [{"name":"P (["name":"R (["id":"1040,"c 109c6e00-d248-40c7-9d0e-95df0d7c7249									
8	Mon Jun 15 2020 23:44:39 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 2d8ef1e0-af 146-1946d95 Add Workflo (									
9	Mon Jun 15 2020 23:44:39 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 2d8ef1e0-af 146-47e165c Update Worl [{"name":"P [{"name":"P (["name":"R (["id":"1040,"c 109c6e00-d248-40c7-9d0e-95df0d7c7249									
10	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-2b79ef Add Workflo (									
11	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-e6b545f Add Workflo (									
12	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-55168cc Add Workflo (									
13	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-8fd9672 Add Workflo (									
14	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-78d30ef Add Workflo (									
15	Mon Jun 15 2020 23:41:24 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co b918cc00-af 146-84e136c Add Workflo (									
16	Mon Jun 15 2020 23:39:57 GMT+0000 (Coordinated Universal Time)	11004	Role	["name":"Co 85428880-af 146-650494c Add Role (									
17	Mon Jun 15 2020 23:39:29 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: 74a04350-af 146-af66aa0 Successful Lx (									
18	Mon Jun 15 2020 23:39:29 GMT+0000 (Coordinated Universal Time)	1	User	["name":"De: 6f6bd490-af 146-b2cfdcf Logout (									
19	Mon Jun 15 2020 23:39:06 GMT+0000 (Coordinated Universal Time)	1	User	["name":"De: 4cb1ee30-ab 146-df5940f Successful Lx (									
20	Wed Jun 10 2020 22:55:23 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: 77b188d0-ab 146-a2a544d Logout (									
21	Wed Jun 10 2020 22:36:50 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: e04012c0-ab 146-df5c82f Successful Lx (									
22	Wed Jun 10 2020 22:36:46 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: dda43230-ab 146-70b42df Unsuccessful (									
23	Wed Jun 10 2020 22:14:41 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: c8383750-ab 146-f5aa44f Logout (									
24	Wed Jun 10 2020 21:58:19 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 7e631250-af 146-80040ff Add Workflo (									
25	Wed Jun 10 2020 21:58:19 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 7e631250-af 146-7e94df9 Add Workflo (									
26	Wed Jun 10 2020 21:58:19 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"De: 7e631250-af 146-8bd75ce Add Workflo (									
27	Wed Jun 10 2020 21:58:19 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 7e631250-af 146-5d0bbf3 Add Workflo (									
28	Wed Jun 10 2020 21:52:09 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: a1f9440-ab 146-20bef6f Successful Lx (									
29	Wed Jun 10 2020 21:51:58 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: 9b9a9560-ab 146-da3f837 Logout (									
30	Wed Jun 10 2020 21:49:46 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Le: 3c74ac60-ab 146-867837f Logout (									
31	Wed Jun 10 2020 21:49:18 GMT+0000 (Coordinated Universal Time)	1040	User	["name":"Co 37f788b0-ab 146-b678379 Logout (									
32	Wed Jun 10 2020 21:49:11 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 37f788b0-ab 146-0170a35 Remove Woi [{"name":"P (									
33	Wed Jun 10 2020 21:49:11 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 37f788b0-ab 146-bcd8379 Remove Woi [{"name":"P (									
34	Wed Jun 10 2020 21:49:11 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"De: 37f788b0-ab 146-19769a8 Remove Woi [{"name":"P (									
35	Wed Jun 10 2020 21:49:11 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co 37f788b0-ab 146-053295c Remove Woi [{"name":"P (									
36	Wed Jun 10 2020 21:45:04 GMT+0000 (Coordinated Universal Time)	11001	Role	["name":"Co a4882800-ab 146-1952e4c Add Workflo (									

Exported User Audit Trail Data

- To export more than 50k records within the selected time frame:
  - Review the last row of the CSV file to confirm it contains a maximum of 50k rows, which likely means additional data can be retrieved.
  - Convert the date in the **Date and Time** column for the last row to [Unix timestamp](#) format.
  - Follow the steps above to make a new API request using the Unix timestamp from step b. as the `newdateEnd` value but keeping the `dateStart` the same.

- d. Continue the process until fewer than 50k rows are retrieved. Note that because multiple events can occur at the same time, some rows may share the same **Date and Time** value. This means that if the oldest event (last row on the CSV file) occurred on the same date as other events in the next batch of data, all these events will be repeated in the next generated CSV file.