Install the Lenel Connector

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As part of the connector configuration process, you will need to log into Connect and register the connector to obtain a connector ID. As such, ensure you have login credentials for a Dispatch user account that's authorized to access Connect prior to completing the steps below. See the Dispatch Administrator's Guide for more information on creating user accounts.

> **i** For hosted customers, the server hosting the connector must have a firewall rule enabled to allow outbound communication to Resolver's hosted environment.

> **i** Resolver recommends installing the connector on the Lenel source server where possible. If outbound connections from that server are not possible, the connector will require a standalone server.

> **⚠** Before installing the connector, ensure that your computer meets the System Requirements.

To install the Lenel connector:

1. Double-click the **Connect Setup** folder in the Perspective download package.

2. Double-click the **Connector-Lenel.exe** file to open the InstallShield Wizard.

3. Follow the steps in the wizard until the installation is complete.

4. Using Google Chrome, navigate to *https://**<servername>**/session*.

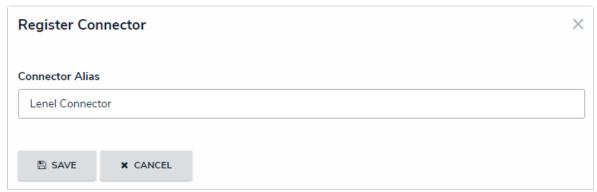5. Enter your Dispatch user name and password in the **User Name** and **Password** fields.

The Connect login screen.

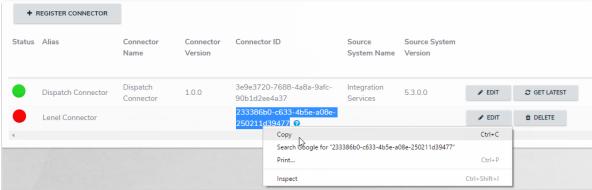6. Click **Login** to display the **Connectors** page.

7. Click **Register Connector**.

8. Enter a name for the connector in the **Connector Alias** field, then click **Save**.

The Register Connector screen.

9. Highlight the code in the **Connector ID** column beside the new connector, right-click it, then select **Copy** to copy the code to your clipboard.

Copying the Connector ID to the clipboard.

10. Navigate to the location where the connector was installed. By default, it can be found at *C:\Program Files\Resolver Inc.\Connect\Connector Lenel*.

11. Right-click the **appsettings.json** file, then select **Open with** to open the file with Notepad.

12. Paste the **Connector ID** obtained from step 9 between the quotation marks after **"ConnectorID"**:

Pasting the Lenel Connector ID in the appsettings.json file.

> Ensure your changes match the settings configured in the Connect **appsettings.json** file and are entered within the quotations marks after the semi-colon for each setting (e.g. "VirtualHost": "**00.00**",).

13. Make edits to the remainder of the settings in the file:

    a. **QueueClient**:

        i. **VirtualHost:** Enter the name of the RabbitMQ Virtual host name.

        ii. **HostName:** Enter the host name of the server where RabbitMQ is installed.

        iii. **UserName:** Enter the username of the RabbitMQ user that has full access to the RabbitMQ virtual host instance.

        iv. **Password:** Enter the password of the RabbitMQ user.

    b. **Logging** (optional):

        i. **LogLevel:** Enter one of the following log levels for **Default**, **System**, and **Microsoft** (note that if no values are entered for **System** and/or **Microsoft**, the values entered for **Default** will be applied):

            ▪ **Debug:** The highest log value. This value is often used by developers and for troubleshooting.

            ▪ **Information:** Useful to support staff by providing context to errors.

            ▪ **Error:** Displays critical error logs.

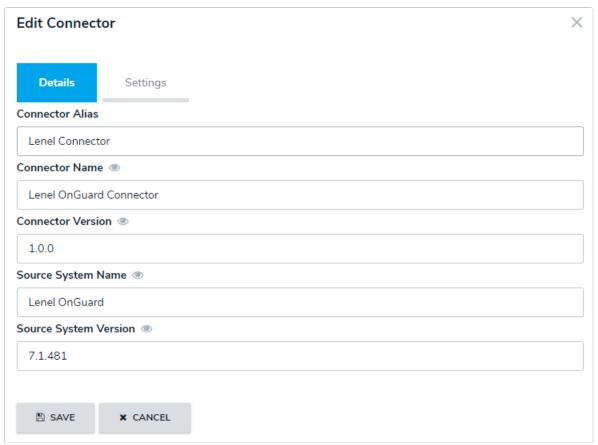   c. **Application Insights** (optional)**:**

        i. **Instrumentation Key:** Enter the Azure ID to output the logs. This optional configuration allows you to include a monitoring tool for the Connect and connectors.

14. Click **File > Save** to save your changes, then close the file.

> If you need to create an another instance of the connector, make a copy of the **appsettings.json** file and change the **InstanceID** to 2. If additional connectors are required, continue making copies of the file and changing the **InstanceID** to next sequential number (3, 4, 5, etc.).

15. Return to Connect and log back in if necessary.

16. From the **Connectors** page, click **Edit** beside the new connector to open the **Edit Connector** screen.

17. If necessary, edit the connector name in the **Connector Alias** field. The remainder of the fields in the **Details** tab display additional connector information and are read only.
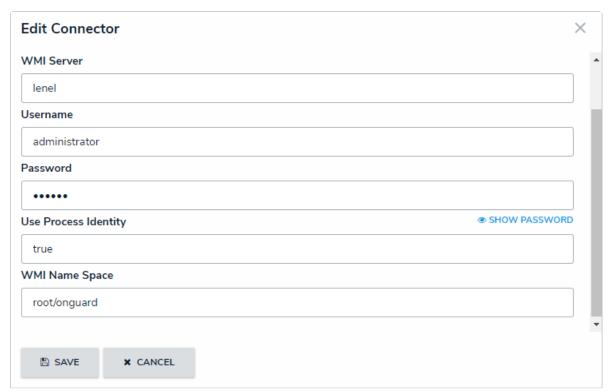
The Details tab of the Edit Connector screen.

18. Click the **Settings** tab.

19. Enter the name of the computer with ConduIT and OnGuard installed on it in the **WMI Server** field.

20. Enter the username of the user who has access to the Lenel server and WMI rights enabled in the **Username** field.

21. Enter the password of the user in the **Password** field.

22. Enter either **true** or **false** in the **Use Process Identity** field. If **true** is entered, Lenel will use the credentials of the current identity running on the process. If **false** is entered, Lenel will use the credentials specified in the **Username** and **Password** fields.

23. Enter a name for the system in the **WMI Name Space** field.

The Settings Tab of the Edit Connector screen. The required information for these fields can be obtained from the source (Lenel) system.

24. Click **Save** to close the screen.

25. Refresh the browser. The circle in the **Status** column beside the new Lenel connector should be **green** to indicate the connector is currently running and should now display a **Get Latest** button. If the circle is **yellow**, it means the connector is running, but there are errors in the settings. If the circle is **red**, it means the connector is not running.

26. Click **Get Latest** to generate a list of devices and event types from the Lenel system in Connect.

> ✓ For information on generating, registering, or editing devices or creating rules, see the Connect User's Guide.