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Lenel OnGuard® Connector Installation Guide

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Lenel Connector System Requirements

The following are system requirements for the **Lenel connector**:

- C++ Redistributable 2010 and up.
- .NET Framework 4.6.2.
- Data ConduIT (license module from Lenel).
- Installation and configuration of Connect and the Dispatch connector.

For more information on the Connect requirements, including system and browser requirements, see the [Connect Installation Guide](#).

Introduction

Connect is a module developed by Resolver that allows data to be shared between your security systems and Dispatch. The **Lenel connector** is a tool that works in conjunction with Connect, specifically allowing your Lenel OnGuard system to send data to Connect, which then sends the data to Dispatch.

Important Notes About This Guide

This guide covers how to install and configure the Lenel connector. Before completing the steps in this guide, you must install and configure Connect and the Dispatch connector by following the instructions in the [Connect Installation Guide](#).

If you're installing the C-Cure connector, see the [Software House C-Cure Connector Installation Guide](#). For information on editing the connectors, registering and mapping devices, and creating rules, see the [Connect User's Guide](#).

Before You Begin




Who Should Use This Guide

This guide provides instructions on installing and configuring the Lenel connector. For more information on installing and configuring Connect and the Dispatch connector, see the [Connect Installation Guide](#).

For more information on using Connect once it's been fully installed and configured, see the [Connect User's Guide](#).

Notes, Tips & Warnings

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

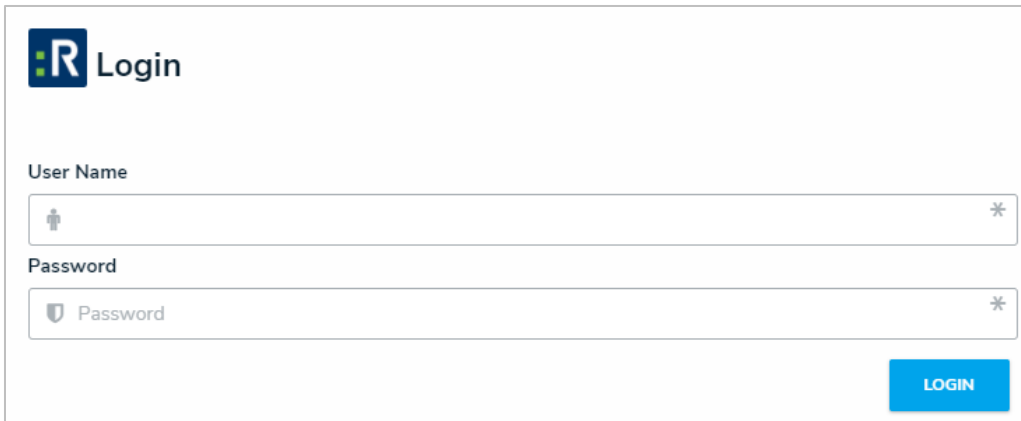
	Indicates a NOTE .
	Indicates a TIP .
	Indicates a WARNING .

Install the Lenel Connector

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

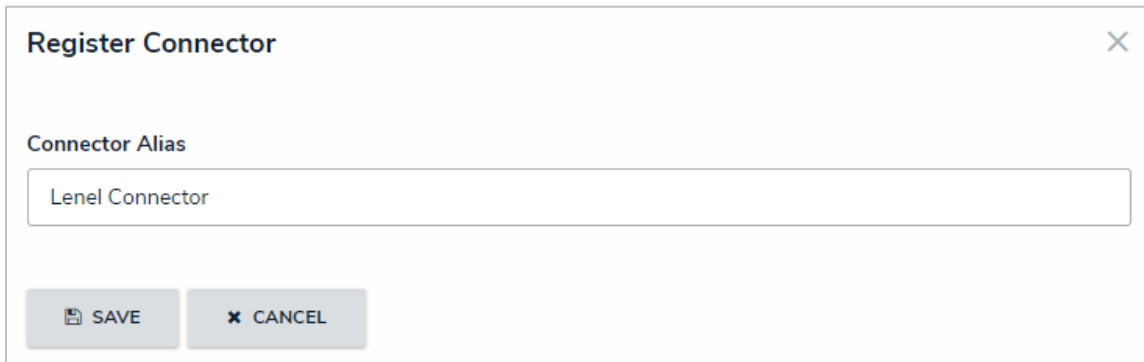
To install the Lenel connector:

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.



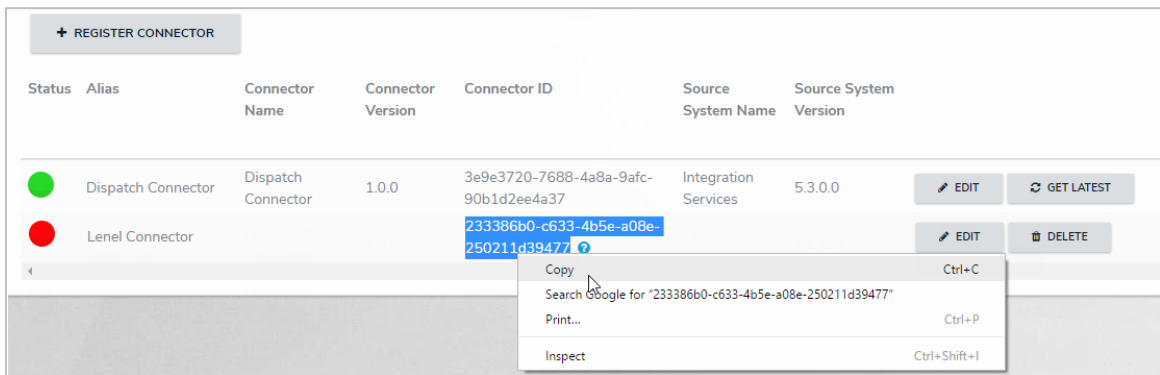
The **Connect** login screen.

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**.



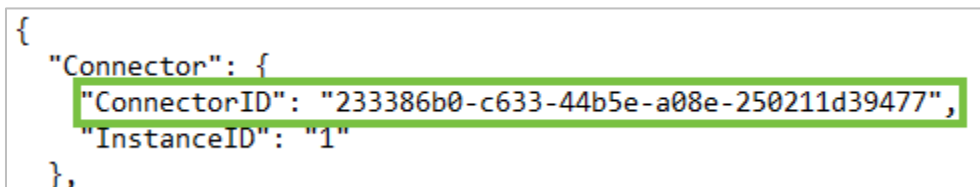
The **Register Connector** screen.

- 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.

- Navigate to the location where the connector was installed. By default, it can be found at `C:\Program Files\Resolver Inc.\Connect\Connector Lenel`.
- Right-click the `appsettings.json` file, then select **Open with** to open the file with Notepad.
- 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 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.).

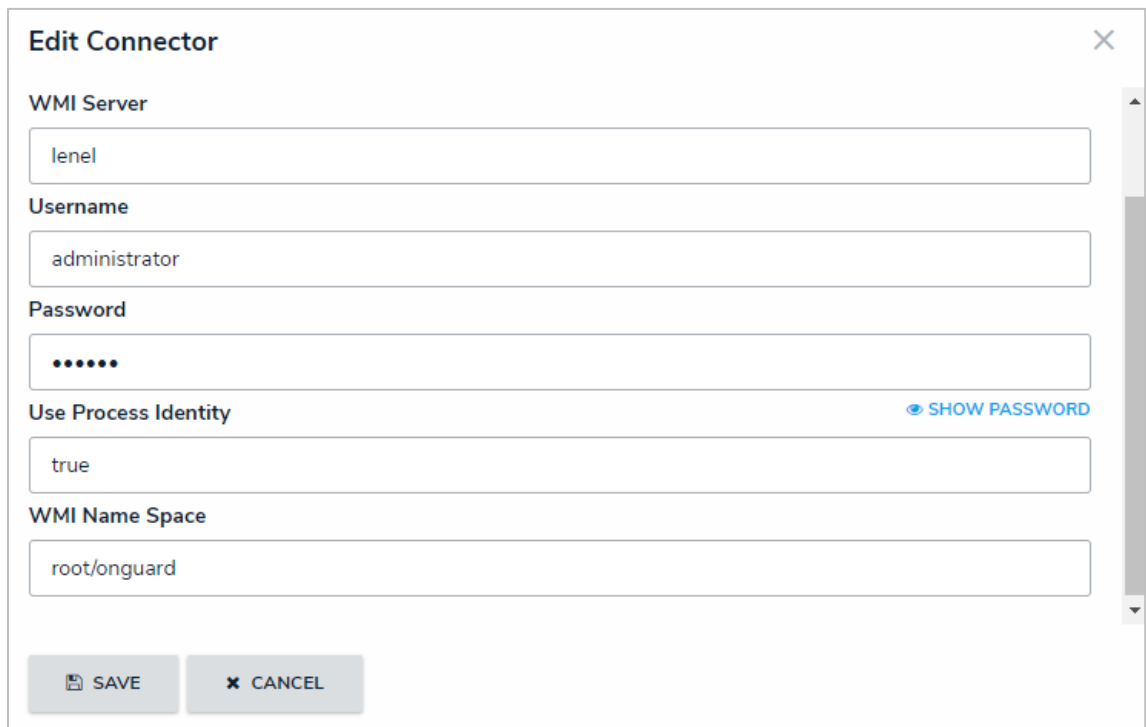
15. Return to Connect and log back in if necessary.
16. From the **Connectors** page, click **Edit** beside the new connector to open the **Edit Connector** screen.
17. If necessary, edit the connector name in the **Connector Alias** field. The remainder of the fields in the **Details** tab display additional connector information and are read only.

The screenshot shows a modal window titled "Edit Connector" with a close button (X) in the top right corner. Below the title are two tabs: "Details" (which is active and highlighted in blue) and "Settings". The "Details" tab contains five read-only text input fields, each with a small eye icon to its right. The fields are: "Connector Alias" with the value "Lenel Connector"; "Connector Name" with the value "Lenel OnGuard Connector"; "Connector Version" with the value "1.0.0"; "Source System Name" with the value "Lenel OnGuard"; and "Source System Version" with the value "7.1.481". At the bottom of the modal are two buttons: "SAVE" with a floppy disk icon and "CANCEL" with an X icon.

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 screenshot shows a dialog box titled "Edit Connector" with a close button (X) in the top right corner. The dialog contains several input fields and a button. The fields are: "WMI Server" with the value "lenel"; "Username" with the value "administrator"; "Password" with masked characters "•••••"; "Use Process Identity" with the value "true" and a "SHOW PASSWORD" link to its right; and "WMI Name Space" with the value "root/onguard". At the bottom of the dialog are two buttons: "SAVE" and "CANCEL".

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](#).

Edit or Delete a Connector

To edit or delete a connector:

1. From Connect, click **Connectors** at the top of the screen to display.
2. To edit a connector, click **Edit**, make changes to the fields in the **Details** or **Settings** tabs as needed, then click **Save**.
3. Click **Delete** next to the connector you wish to delete, then click **Yes** to confirm.

Monitor Connect Events in Lenel OnGuard

When an event is triggered and processed through Connect, the Lenel OnGuard Alarm Monitoring application receives an acknowledge, clear, or an acknowledge and clear activity (depending on the event's rule settings in Connect).

See the [Connect User's Guide](#) for more information on rules.

Contact Information

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