

L5 Connect™ API Configuration

Last updated by | Fly, David C | Feb 13, 2025 at 10:43 AM CST

Initial Document Date 05/14/2024

Software Release 9.10.3.x

Contents

- [Overview](#)
- [Licensing](#)
- [Service Configuration](#)
- [Setting up HTTPS Certificate](#)
- [Bearer Token Generation](#)
- [How to Use the API](#)

Overview

This document will detail the process for configuring the L5 Connect API. This allows customers to programmatically monitor and update their L5 Connect system through the API interface. This will require the customer to develop a custom middleware application to interface between their system and the L5 Connect system.

Licensing

You will need a license to use the API. Here is how to determine if your service license currently supports using the API. This check will need to be performed on the machine hosting the L5 Connect Service.

1. Click the **Windows Start** button, then select the **Snap-on** folder, then select the **Service_Config** application.
2. Select the **Licensing** tab.
3. Make sure the **AllowCustomerApi** checkbox is checked for your license.
4. If your license does not currently support using the API contact Pro-Services for help getting and installing the proper license.
Email: INDPROSERVICES@snapon.com

Service Configuration

You will need to configure the PC hosting the L5 Connect Service to turn on the API.

1. Click the **Windows Start** button, then select the **Snap-on** folder, then select the **Service_Config** application.
2. Make sure the **Info** tab is selected.
3. In the API groupbox click the **Enable** checkbox of either the HTTP or HTTPS communication type to enable the desired communication type.

4. Set the port to the desired value. Snap-on recommends using port 443 if using HTTPS communication. This port is typically open and should cause less firewall issues. You will need to ensure whatever port you select has appropriate firewall configurations as well.
5. Click the **Save** button to save your changes.
6. Click the **X** button to stop the service, then click the **Start** button to restart the service.

Setting up HTTPS Certificate

To ensure a secure connection between the API and your system you will need to configure the communication port with an HTTPS certificate. See the document in the following link for the process on how to do this. This only needs to be done if the port on which you configured the API was not already bound to the certificate in that process.

[Connecting to a L5 Connect™ Service \(Binding an HTTPS Certificate to the Port\)](#)

Bearer Token Generation

When attempting to access the API, any requests will need to have a valid bearer token embedded in them. These tokens are attached to employees in the system. You can either add a token to an existing employee or create an employee specifically for API requests. Given that the permissions and logged in employee of all API requests will use the employee info and profile of the employee attached to the token, you may want to create an "API Employee". Here is how to create a valid token for an employee.

1. On a PC that has the L5 Connect Admin application installed, click the **Windows Start** button, then select the **Snap-on** folder, then select the **L5 Connect Admin Client** application.
2. Select the **Settings** tab.
3. Expand the **Network Setup** item.
4. Select the **API Tokens** item.
5. Click the **Plus Icon** to add a token to a new employee.
6. Hover over the input box and then select the API employee
 - The "API Employee" can be either an existing employee or you can create a new employee dedicated for API access.
 - The API calls will use the selected employee for event logging and action permissions. Make sure the selected employee has the proper permission profile for your desired API functionality.
 - Reference the [L5 Connect™ Employees](#) for Employee creation/editing instructions.
7. Set the dates for which the token will be valid, then click the **Green Checkmark** button to save.
8. Select the API user you just added and then click the *Eye Icon* to view the token. You can copy this token and paste it into where you need it for use in making requests from the API.

NOTE: You can delete/revoke the token by clicking the **Red X** button next to the employee to which the token is assigned.

How to Use the API

At this point the L5 Connect system API should be ready for use. For more information about how to use the actual API itself, see the links below.

[L5 Connect API Demo Website](#)
[Introduction to the L5 Connect API](#)