

Activate a LoopEdge Device for LoopCloud Connectivity

Activating a device on LoopCloud enables seamless integration between the device and LoopCloud. While it is possible to manually configure the connection by manually adding a cloud connector yourself, device activation will automatically set up Cloud Connectors for you.

This page details the instructions for configuring cloud connectivity for LoopEdge-to-LoopCloud connectivity.

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Configure Cloud Connectivity


Prerequisites

- Port 9993 udp/tcp should be open to anywhere

This procedure assumes that you already have created a LoopCloud Company and Project. Refer to the following documentation for instructions:

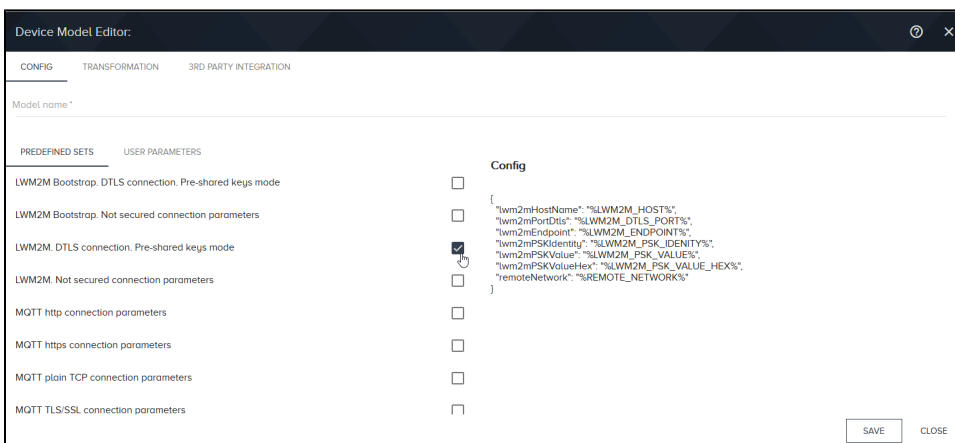
- [Create a Company](#)
- [Create a Project for a Company](#)

Steps to Configure LoopEdge to LoopCloud Connectivity

 We recommend logging into both LoopCloud and LoopEdge at this time so that you can copy and paste the required information for connecting these platforms.

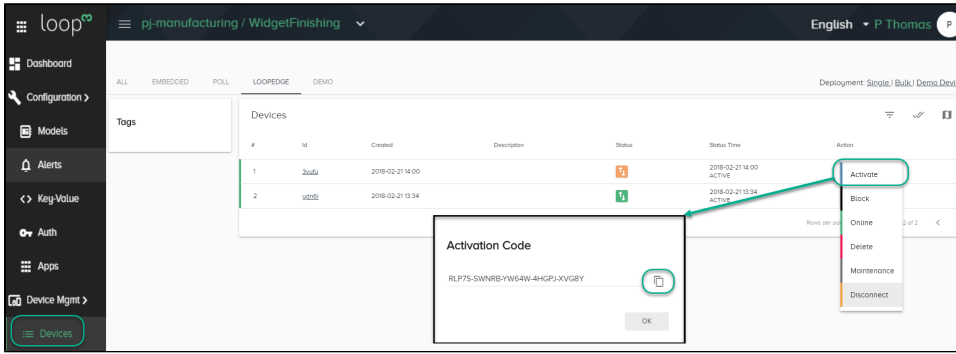
In LoopCloud

1. Create a **LWM2M. DTLS connection. Pre-shared keys mode** Model. It is also recommended to add MQTT connection parameters to the model. See [Create a Device Model](#) for further details.



2. From the LoopEdge model, create a **LoopEdge Device**. See [Add a Device from a Model](#).
3. In the LoopCloud navigation panel, go to **Device Mgmt > Devices** to view the newly created device in the list.

- In the **Action** list, click **Status** and select **Activate**.

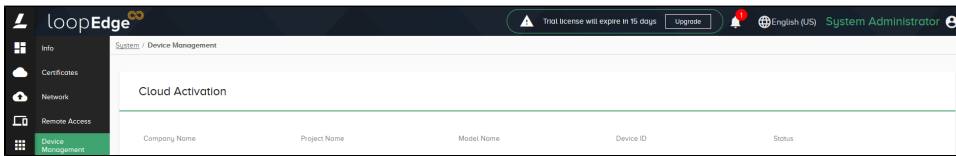


Note
 This one-time-only code will only be valid for the next 60 seconds. Be sure to take the following LoopEdge steps immediately. We recommend having the LoopEdge window open in your browser already.

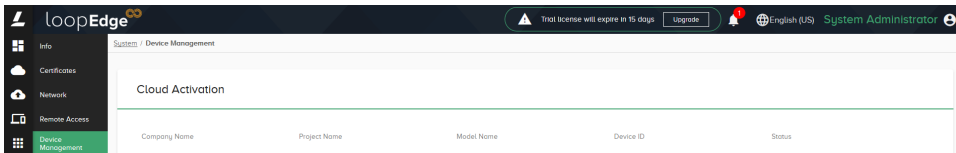
- In the Activation Code pop-up, click the  icon to copy the code to the clipboard.

In LoopEdge

- In the LoopEdge navigation panel, go to **System > Device Management**.

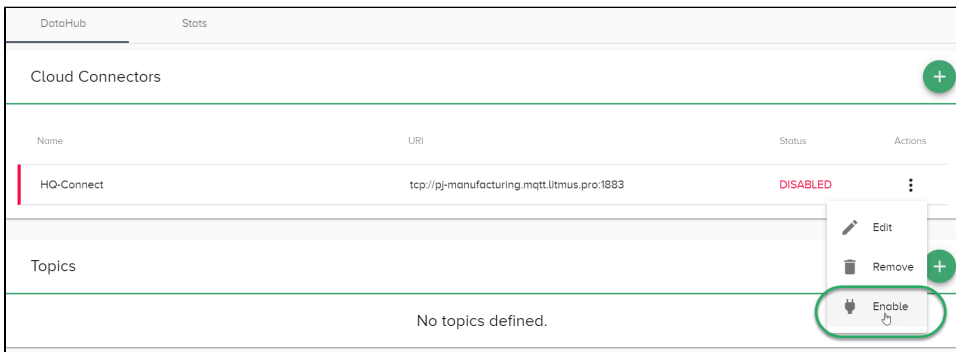


- Under Cloud Activation, paste the activation code from the clipboard. Click **Activate**.



LoopEdge will automatically create a DataHub Cloud Connector, but it will be disabled by default.

- Go to **DataHub.in** in the LoopEdge Navigation Panel



- In the Cloud Connector's Actions list, select **Enable**.

Check the Connection

1. Check **Device Mngmt > Devices** on LoopCloud to ensure that the connection works. A green status indicates that the MQTT connection works. Mouse over the status icon to view the full activation and connection status:

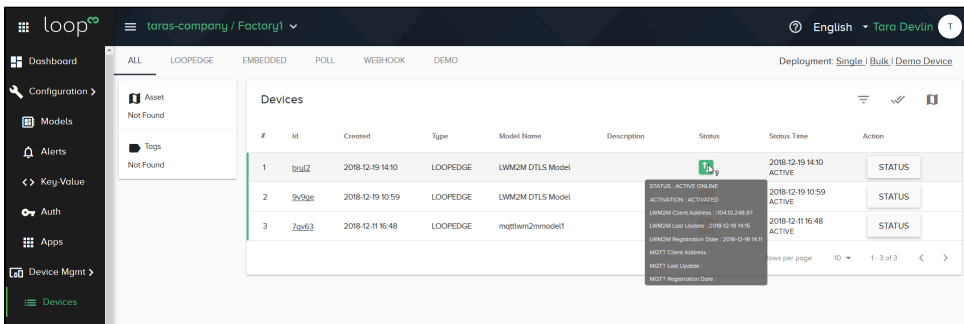
i Status Box Details:

Status: *ACTIVE OFFLINE* or *ACTIVE ONLINE*. Indicates if there is an active MQTT connection to the device. The Status icon will turn green when it is *ACTIVE ONLINE*.

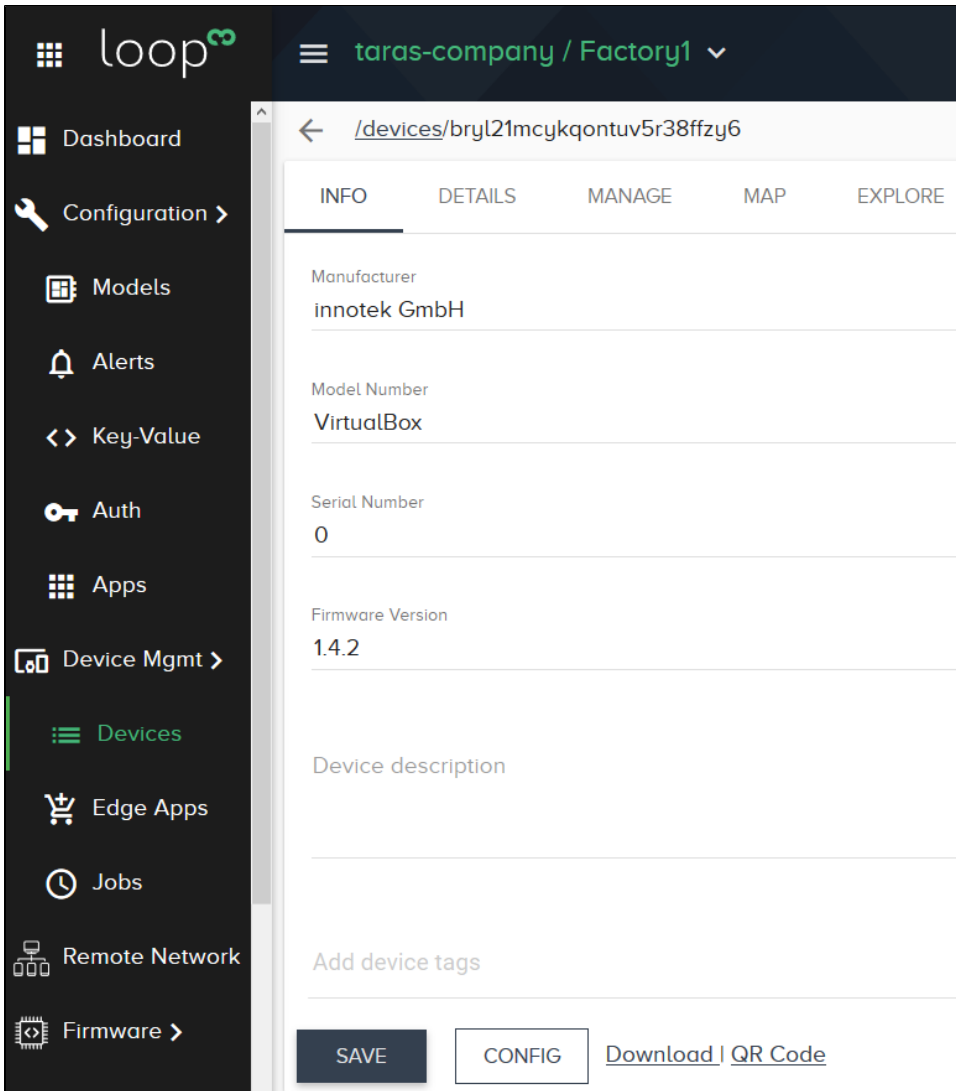
Activation: *UNACTIVATED* or *ACTIVATED*. Indicates if a LoopCloud user has copied the activation code for the device from the status menu.

LWM2M Client Address: The IP address for the LWM2M client associated with the LoopCloud device.

MQTT Client Address: The IP address for the MQTT client associated with the LoopCloud device.



2. Click the device **id** to view device info. This ensures that the LWM2M connection works.



3. Click the Explore tab to view OMA LWM2M objects and to execute commands. Try **Reboot** to remotely reboot your LoopCloud-enabled device. This will make sure that you can issue commands through LWM2M to your LoopEdge device.

