Telenor cloud connection

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Telenor is a Managed IoT Cloud (MIC) - a secure cloud platform for device and data management that generates valuable and useful insights about your connected products. It provides the building blocks you need to connect your product, collect and store all product data, and extract value and insights from that data.

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Introduction

This article contains step-by-step instructions on how to connect and configure a RUT9xx series router to the Telenor cloud.

Prerequisites

You will need:

- A router from the RUT9xx series
- A Telenor account

Adding and configuring a device

- Login to your Telenor account. Click the **New Thing Type** button located on the left side of the screen:

- Create a custom Label, Description and select your Domain name. Click Save:

- Click on the newly created Thing Type and add a new "**Thing**":

- Fill out the following form. Make sure the switch next to the Batch field is flipped ON () as this will generate the certificates necessary to connect your router to Telenor. Click Create:

- The newly create batch should be visible in the Thing Credentials table. Click the download button () to get your certificates:

- Login to the router's WebUI and go to the **Services → Telenor MQTT** page. Configure Telenor MQTT:
    - **Host** and **Port** fields should be filled out with information provided by Telenor
    - **Thing Name** field value should match the folder name found inside the downloaded batch archive
    - **Certificate Authority** (**CA**) file should be provided by Telenor
    - Client **certificate** and **key** files can be found in the downloaded batch archive

Creating rules

For this example, we'll create a rule that turns the router's relay output ON when the signal strength fall below -70 dBm.

- Login to the router's WebUI and go to the **Services → Telenor MQTT** page. Check the **Receive messages** field and come up with a custom **Setting Value**:

- Login to your Telenor account. Click the **Settings** button located on the top-right side of the screen, next to your account name. Select the **Rules** box in the menu on the left and click **+ New Rule**:

- Name and describe your rule, select your Domain and the Thing Type to which the rule will be assigned. Click Next to continue:

- The **When**, **And** and **Then** sections indicate the conditions under which a certain specified action will occur. When you have set these conditions, Click Next to continue:

- Add a **New Action**. Specify it to **Set resource** and enter the setting and its value to change (for our example this will be **relay** set to **1**). Click Add to create the rule:

- The rule will appear in the Rules table. Make sure it is turned ON ():