LoRaguard - Instructions for The Things Network v3 (TTN v3) connection

Objective

To connect to LoRaGuard a gateway already set up in The Things Network v3.

Steps

1- Set up in TTN

In short, we need to generate an API key for the gateway in the TTN site that will be provided to [LoRaguard](#) to read the gateway's messages.

1. **If you don't have an account, create one in TTN**

Go to the sign up menu in TTN, https://account.TheThingsNetwork.org/users/login. Then, enter your credentials.

THE THINGS NETWORK

CREATE AN ACCOUNT

Welcome aboard! Fill in your details to create an account on The Things Network and start exploring the world of LoRaWAN.

USERNAME

Your public name.

EMAIL ADDRESS

Your email address stays private. An activation email will be sent to you shortly (please check your spam folder).

PASSWORD

Use at least 6 characters.

NEWSLETTER

Subscribe to the newsletter.   ☐

Create account

By registering an account you agree to our Terms and Conditions and Privacy Policy.

Already have an account? Log in

You are the network. Let's build this thing together. - The Things Network

Terms and Conditions   Privacy Policy

2. Now, we need to generate the API key that will grant permissions to read the gateway traffic.

Go to https://console.thethingsnetwork.org/ and select the region of your gateway:

Click on "Login with The Things ID"
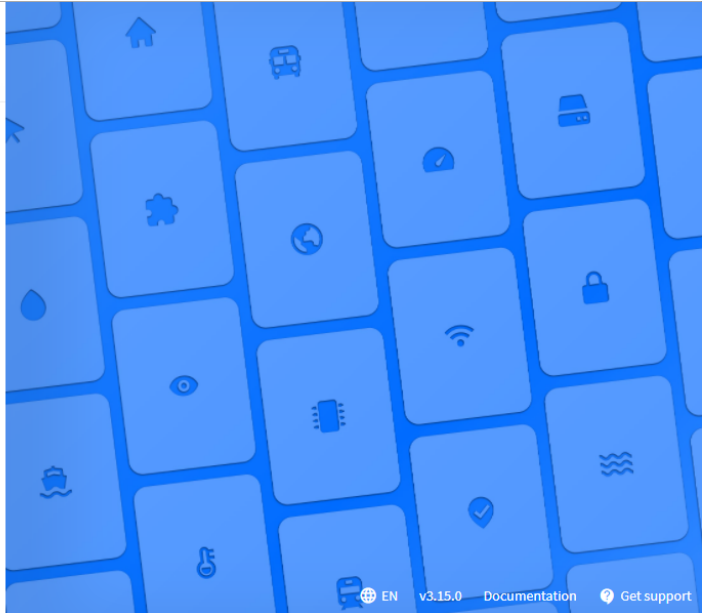
Provide your username and password:
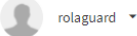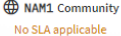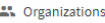
Once logged in, go to the "Gateways" tab:
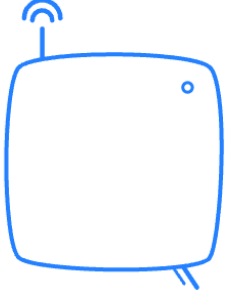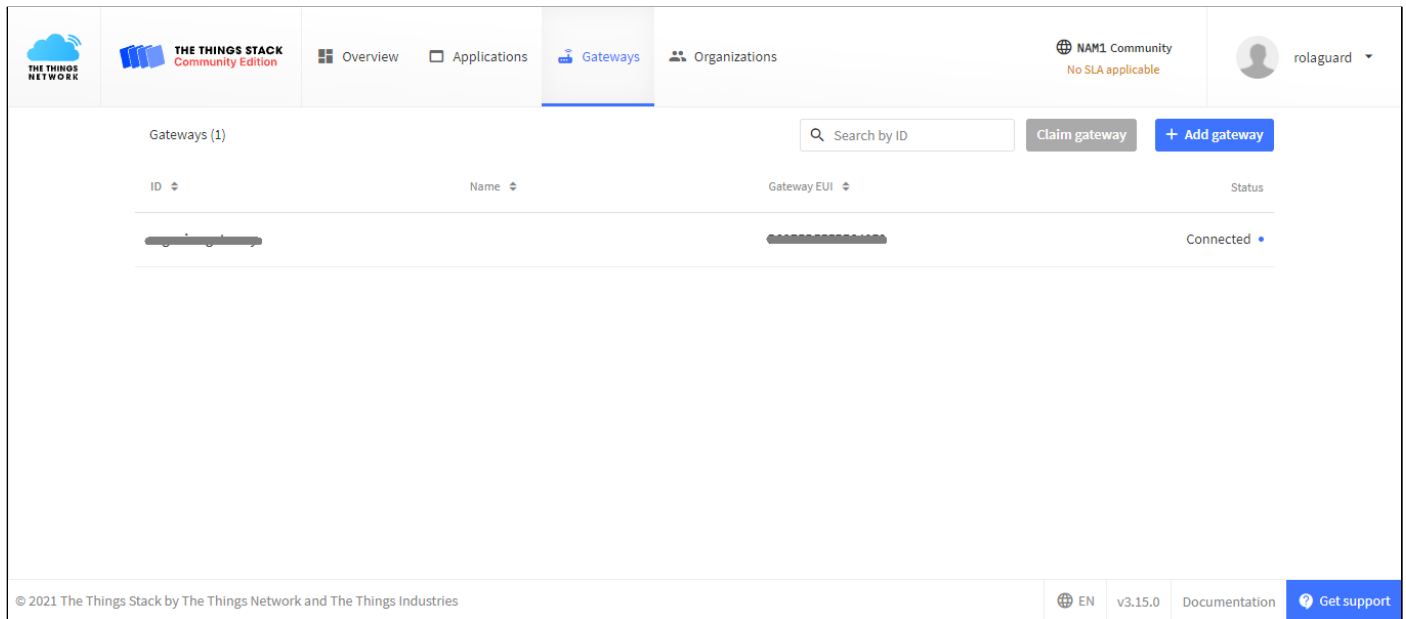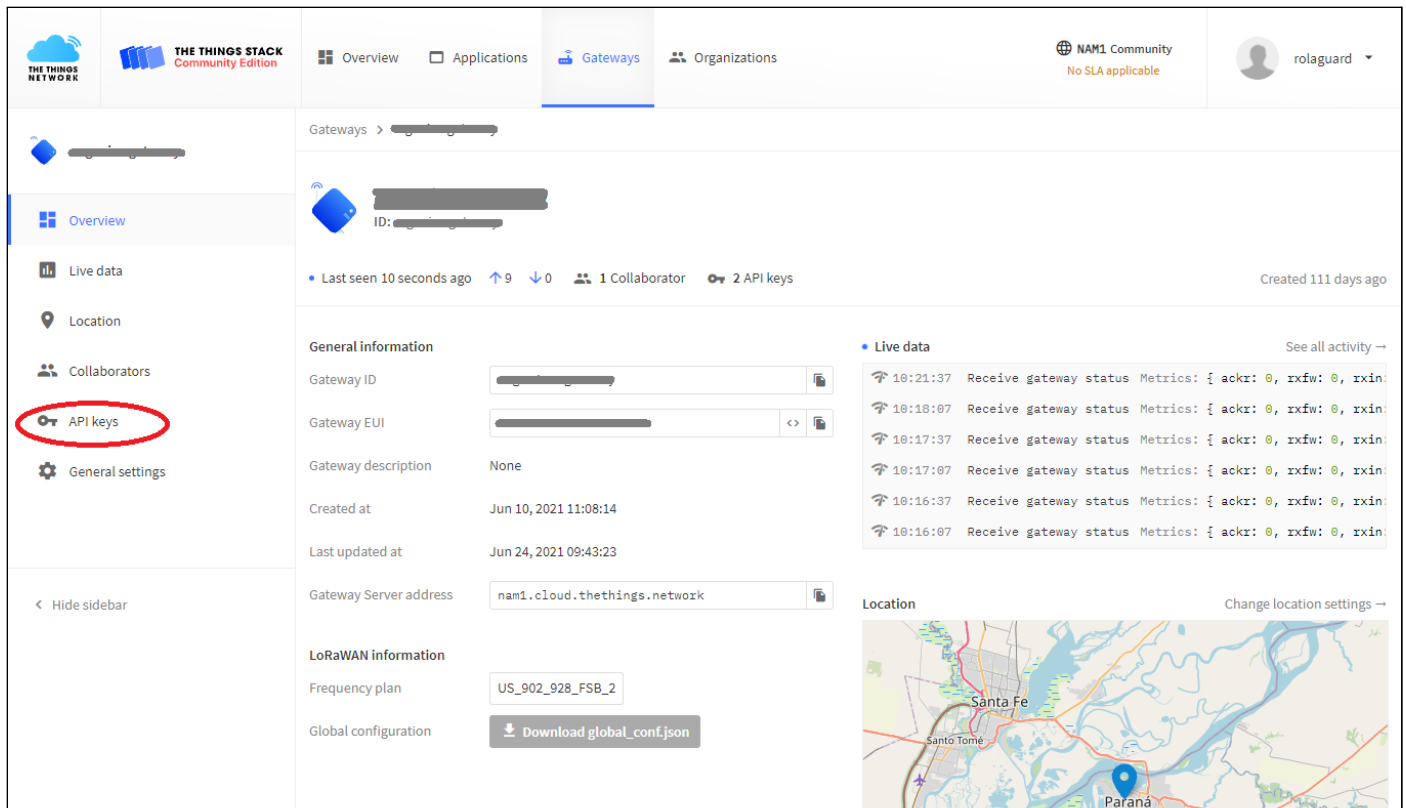
Click on the **gateway's name** that will be accessed by RoLaGuard

Go to **"API keys"**

Click on **"Add API key"**

Give the API key a name, and click on "Grant individual rights". RoLaGuard only needs permission to **read gateway traffic**. Finally, click on **Create API key**.

TTN will provide you with the API key you just created. **Make sure to copy this key before clicking "I have copied the key", because it cannot be accessed again after that.** If you don't copy this key, you'll need to create a new one.
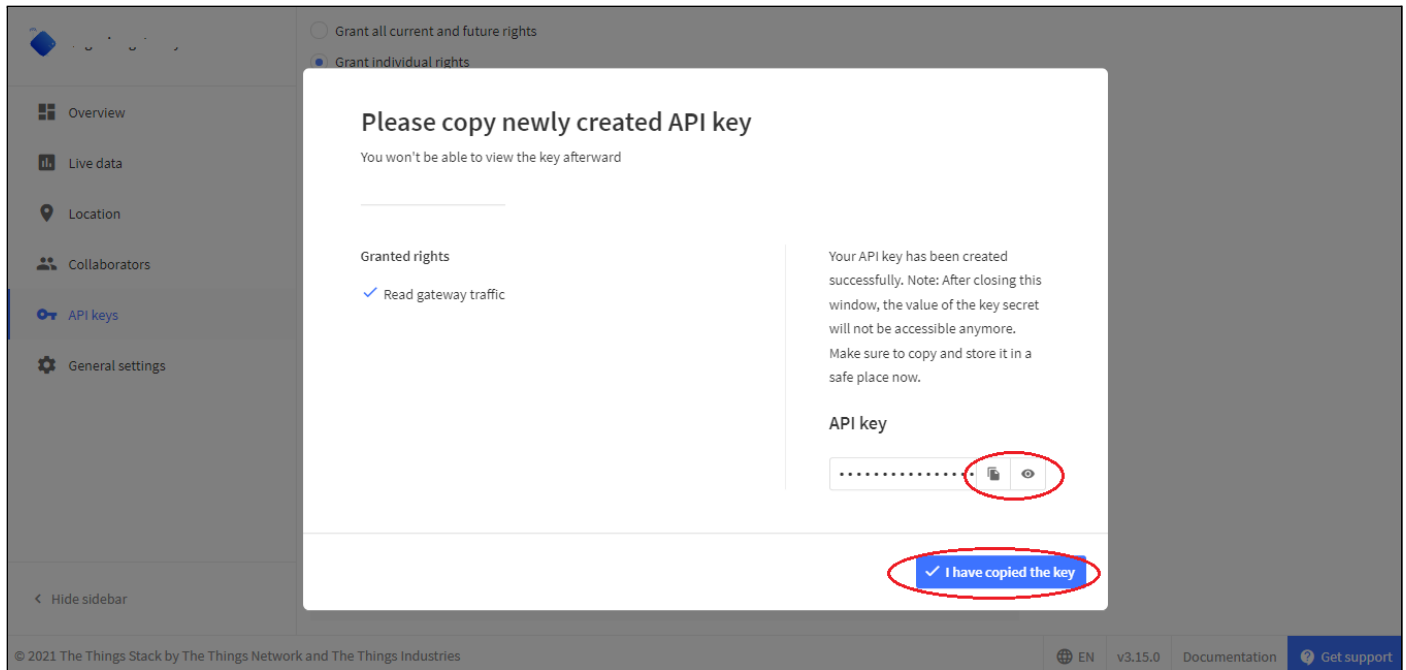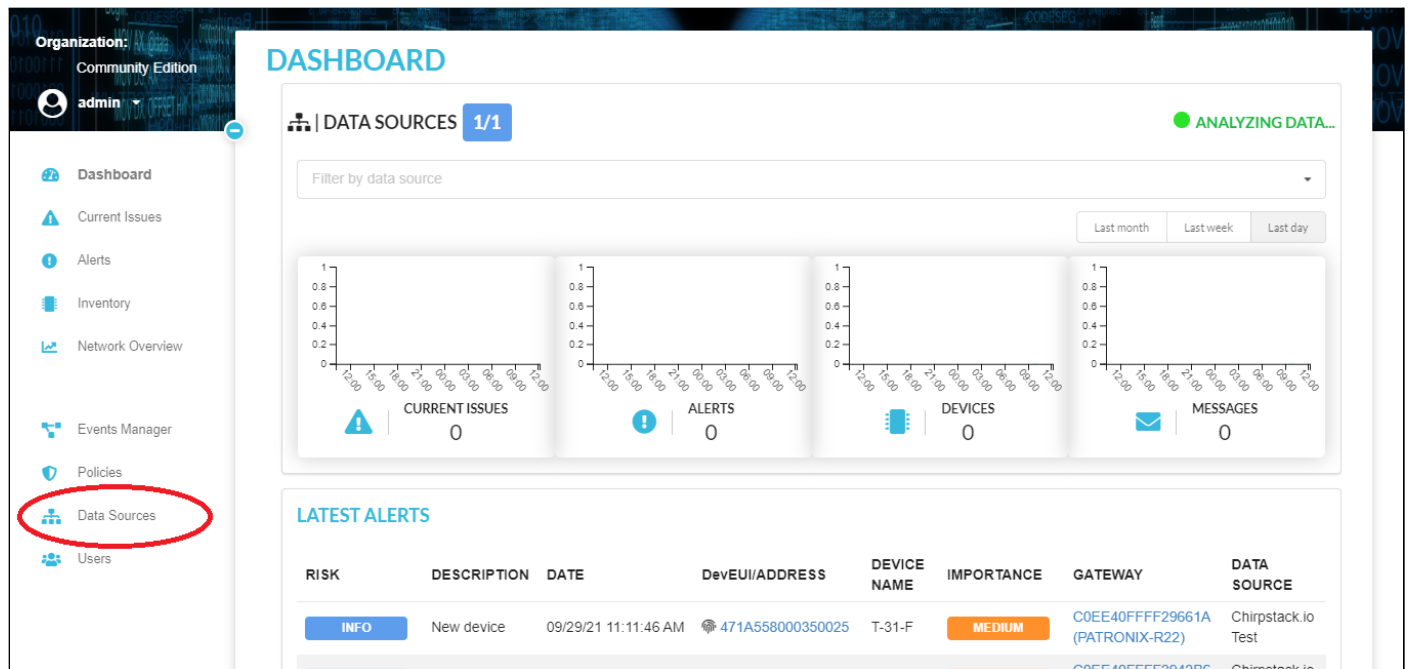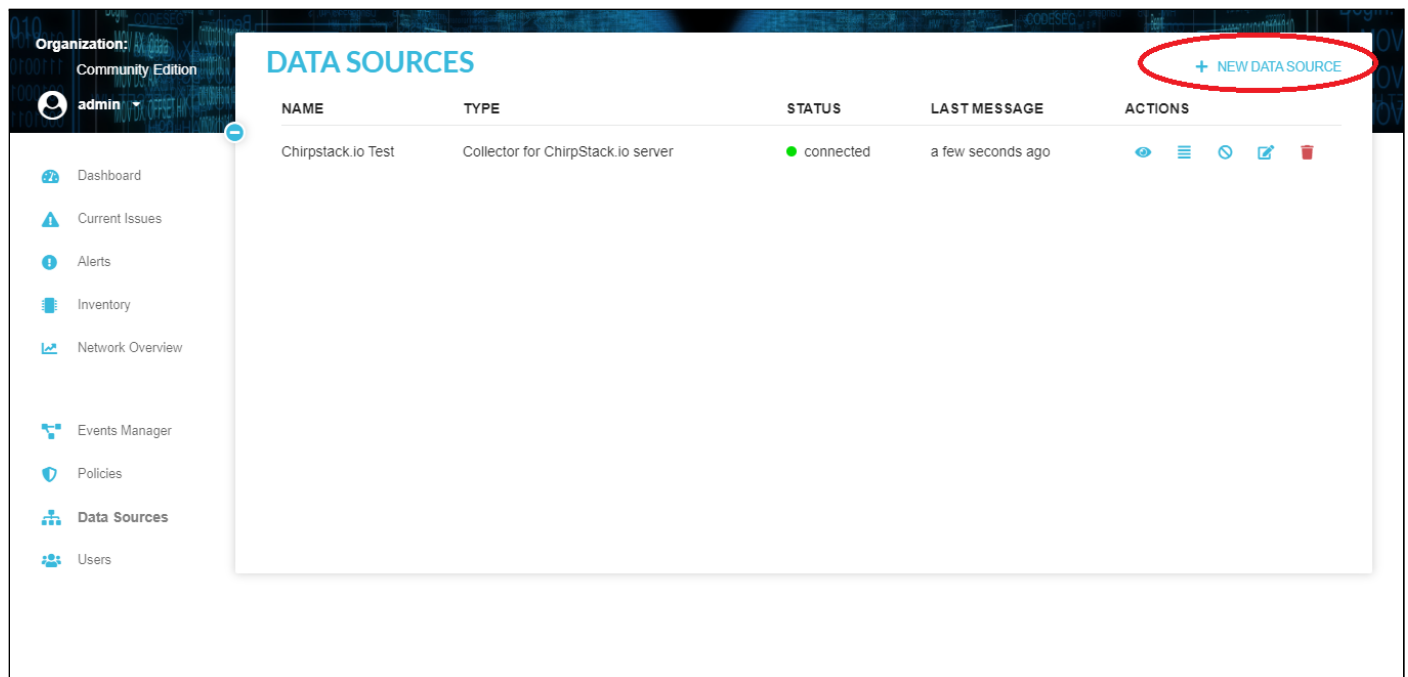

2- Set up in LoRaguard

1. Create an account in LoRaGuard

First, you should have created a user and be logged into the system. If you don't have an account yet, you can create it [here](#).

Once in LoRaGuard's main page, **go to Data Sources**.

Click on "**New data source**":

Finally, provide the Gateway ID and the Gateway API Key you've previously created in TTN. Note that you can only access the API key only once when you create it. If you lost this key, you'll need to generate a new one.

When you finish, you must **click on "Test connection"** before saving the data source:

Now, save the new collector and you're all set. From this point, LoRaGuard will connect to the TTN console and start to save and analyze packets. In the meantime, it's recommended to **give a look at the policies** so that you can configure them. Also, it's recommended to **take a look at the dashboard** to see the metrics, and the **alerts** if there is any.

A screenshot of the dashboard:

The policies page: