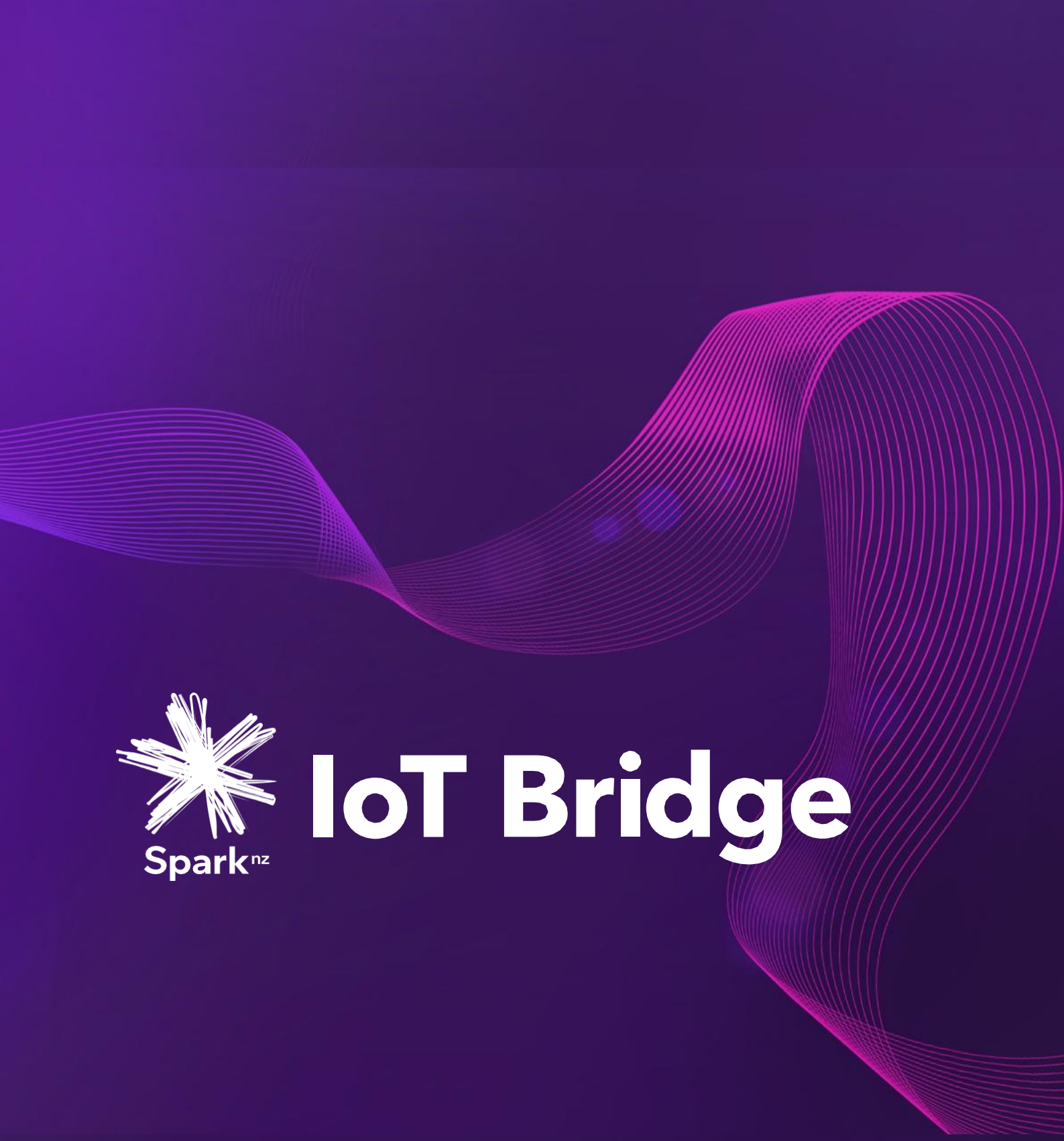


Spark nz

IoT Bridge

Quick Start-up Guide

VERSION 7.5

IoT Bridge

Quick Start-up Guide | **VERSION 7.5**

CONTENTS

Welcome	3
Account Owner	3
Admin	3
Contributor	3
Viewer	3
Subscriber	3
Activate and Login into your account	4
Review and update your account details	5
Add Users	7
Add Single Device	9
Add Multiple Devices	11
Create New Alert	13
Create Rules & Alerts – Efento Devices	16
Dashboard	19
Check Device Insights	21
Create a report	23
Groups	25

Welcome

Welcome to Spark IoT Bridge.

As your first step, please activate your account, login to IoT Bridge and check that it has your correct contact details. See instructions below for each step. The account type you have been given is one of the following:

Account owner

If you are the first user on your company's IoT Bridge account, you have been given Super Admin rights in IoT Bridge. As a Super Admin you have the full Admin rights to your company's account. Note your Super Admin account is not removable or editable by any other IoT Bridge users from your Company, including Administrators. Once you have logged in and checked your account details, you should set up additional user accounts for your company's IoT Bridge. See instructions below. You can also begin setting up Devices once they have been couriered to you.

Admin

As an admin you have full access to all IoT Bridge features. This is the only role that has access to user management, including assigning user roles and group memberships.

Contributor

As a contributor you have access to device configuration, management of alerts and reports, and management of other user accounts. Please familiarise yourself with IoT Bridge functions. Don't be afraid to experiment and try various functions. Once ready, start adding more users and devices.

Viewer

You can receive reports and alerts, as well as respond to alerts that require action on your behalf. Check the Notification Management section of My Account to see which Alerts you're subscribed to.

Subscriber

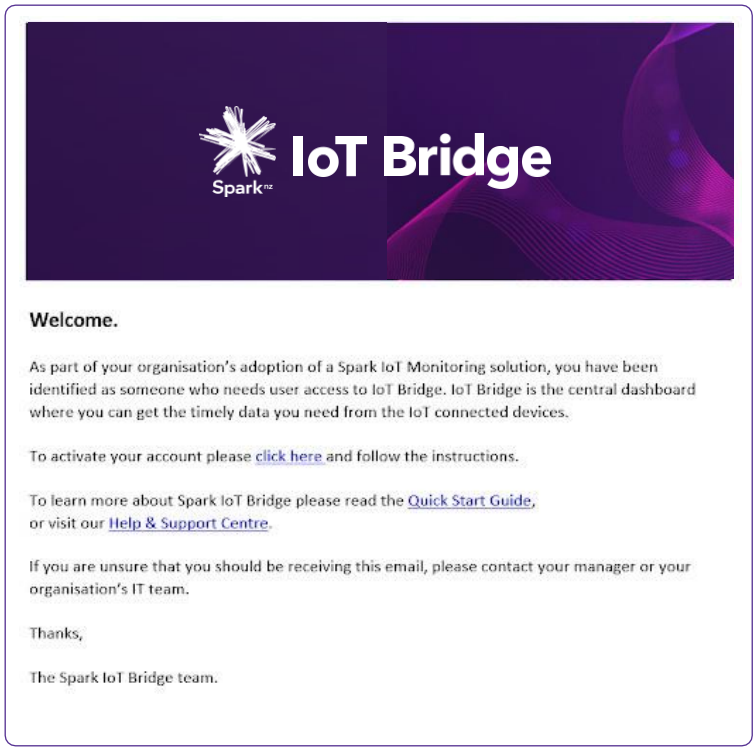
You can receive reports and also you can receive and respond to current alerts.

Activate and login into your account

1.

Check your email for an activation link you would've received from admin@iot.spark.co.nz.

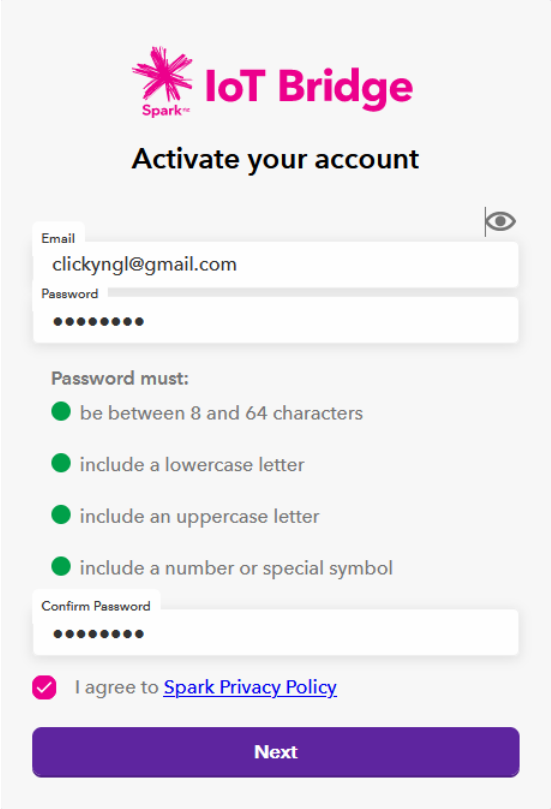
Check your Spam/Junk folder if you cannot find it in your Inbox.



2.

Once you click the **activation link**, you will be asked to create a new password.

Lost the activation email? Go to www.iotbridge.nz/app click on "Forgot your password?



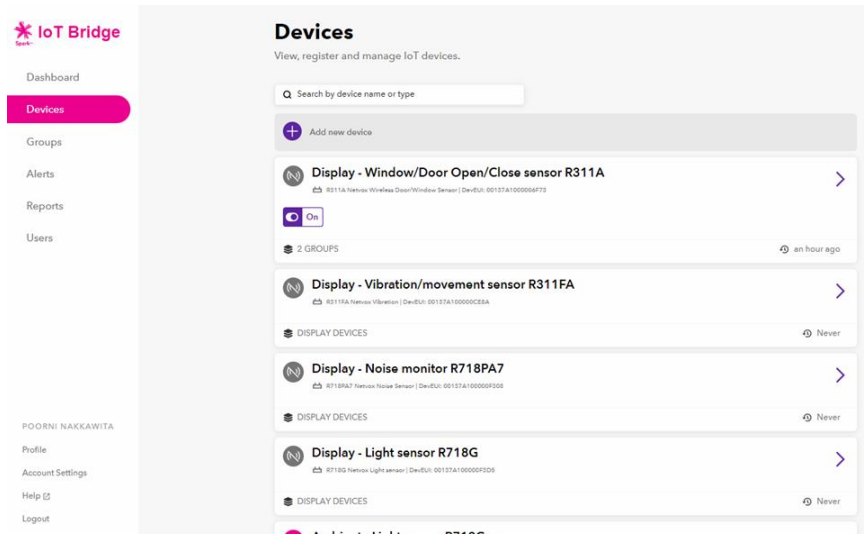
3.

Review and accept the Spark Privacy Policy and click **Next** to complete account activation.

Review and update your account details

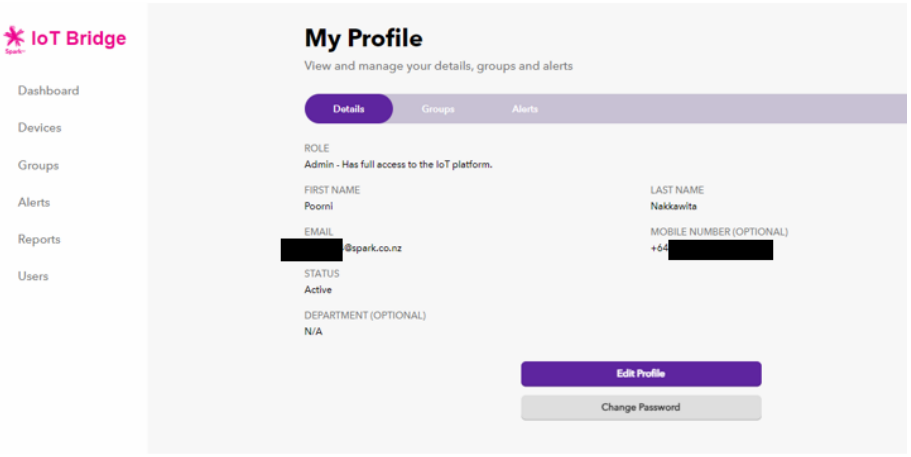
1.

Log in to IoT Bridge and click on **My Profile** on the bottom left.



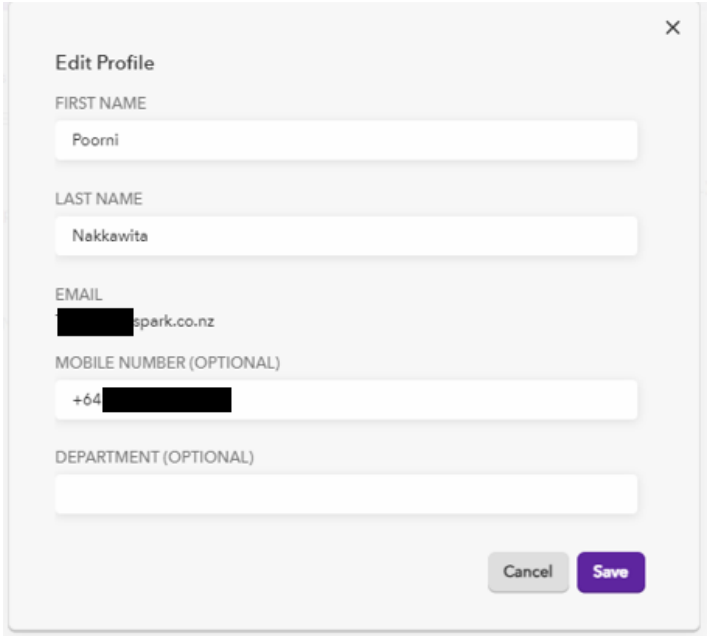
2.

Click on **Edit Profile**.



3.

Review details. To update click **Save**.

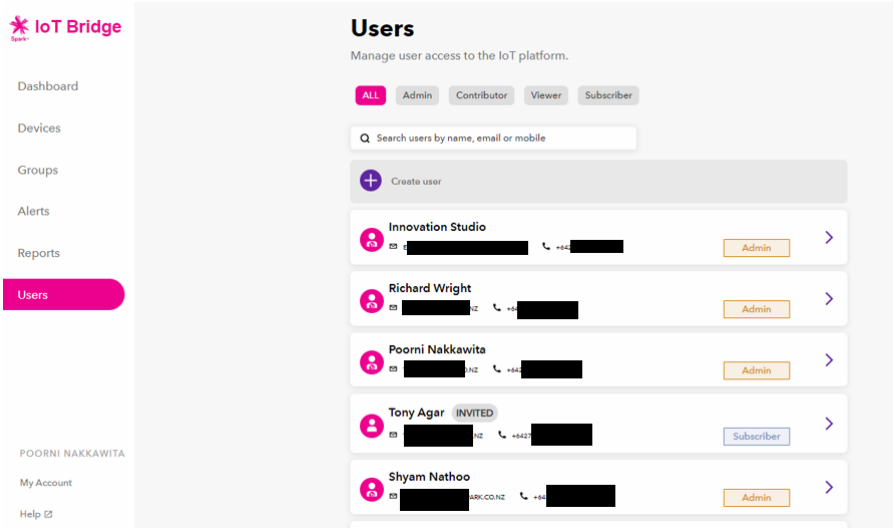


Add users

1.

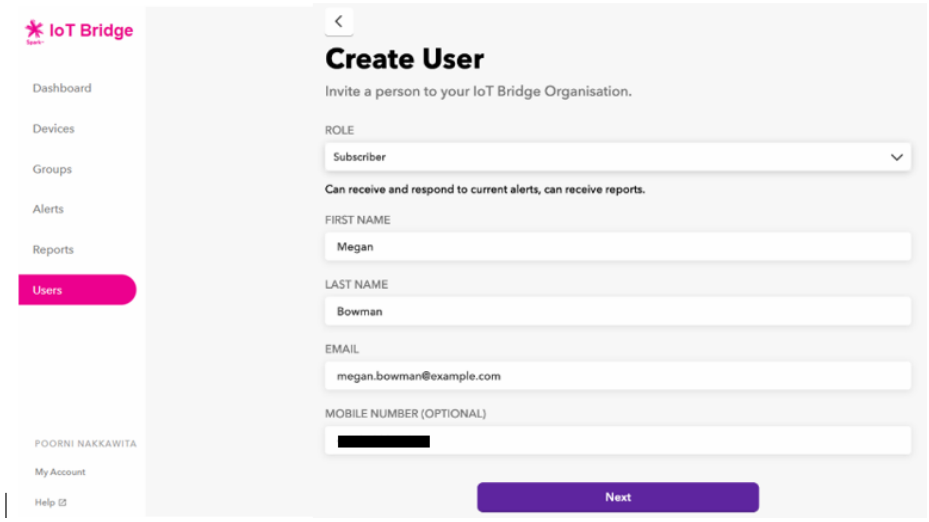
Log in to IoT Bridge and click on **Users** in the menu on the left.

Click **Create User.**



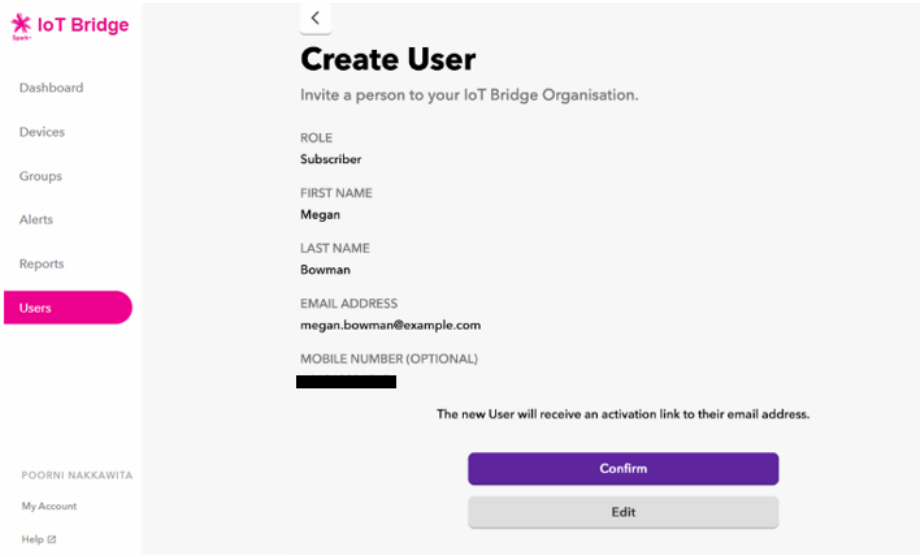
2.

Select the **Role** which is going to be assign to the user (Admin, contributor, viewer or a subscriber) and fill out the new user's details and click **Next**



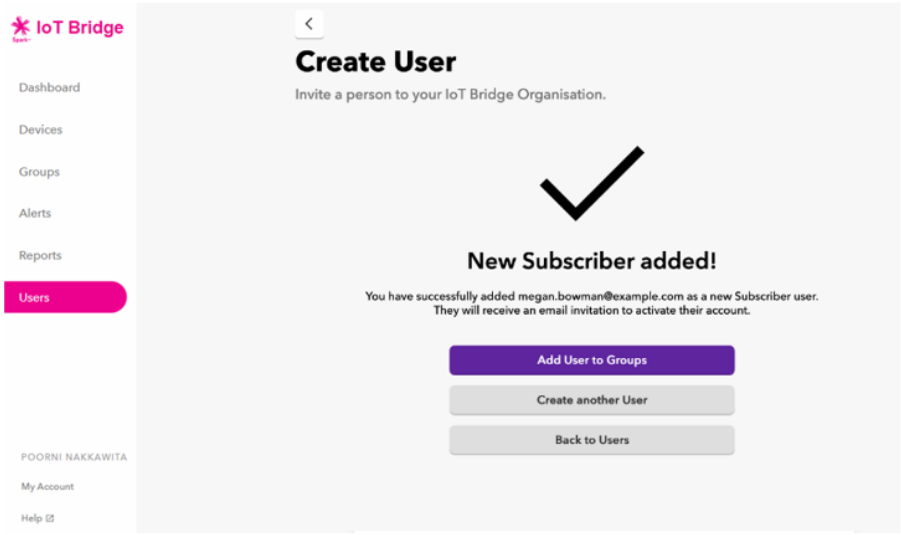
3.

Review the details and click **Confirm** (click **Edit** if you need to change the details)



4.

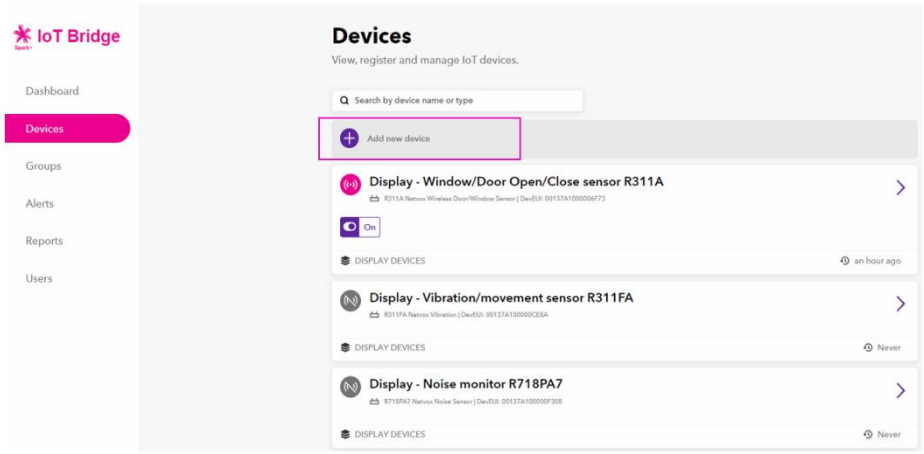
Click **Back to Users**.



Add single device

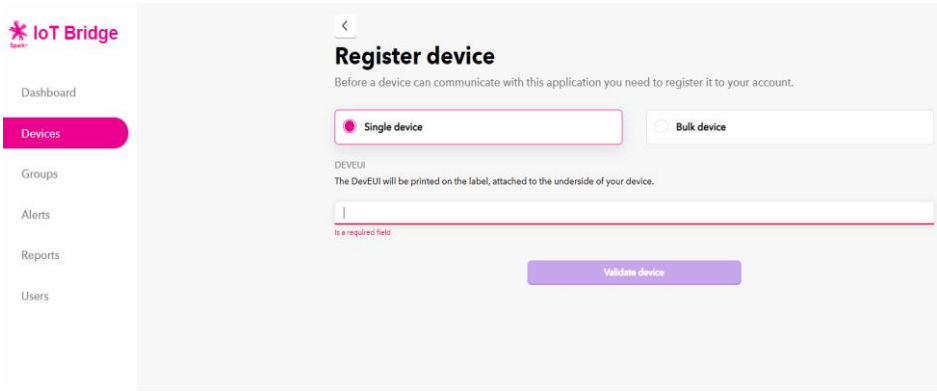
1.

Log in to IoT Bridge and click **Add Device.**



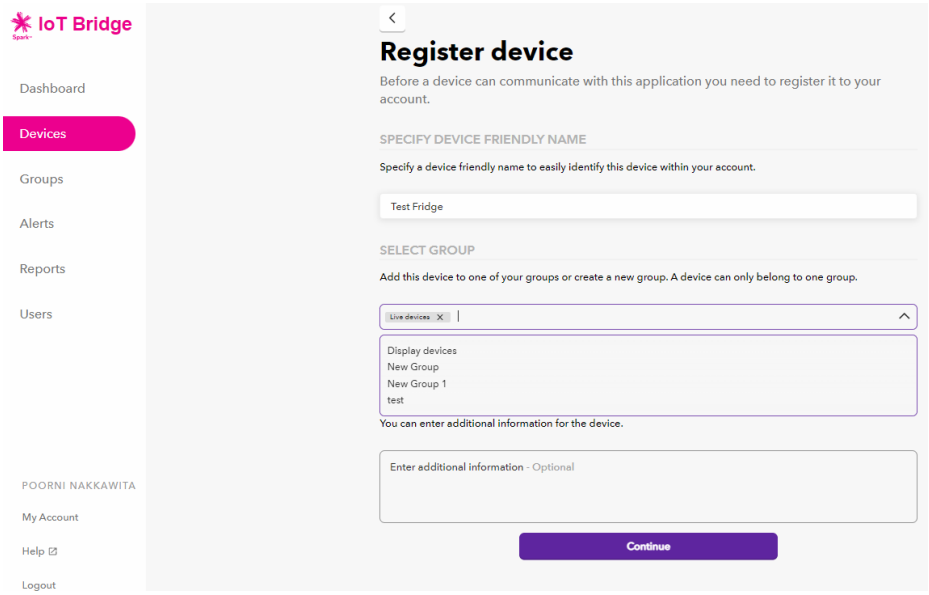
2.

Copy the device DEVEUI or serial number from either the label on the device or the packaging and click **Validate device.**



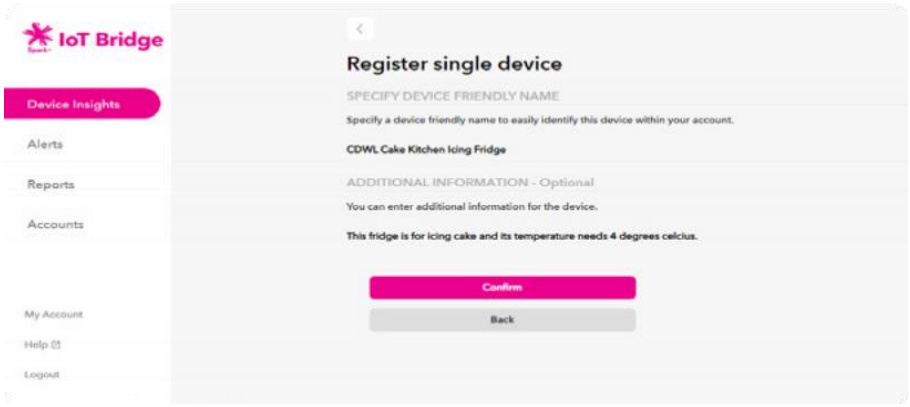
3.

Fill out device name, Group (optional), and any **additional information** (optional).



4.

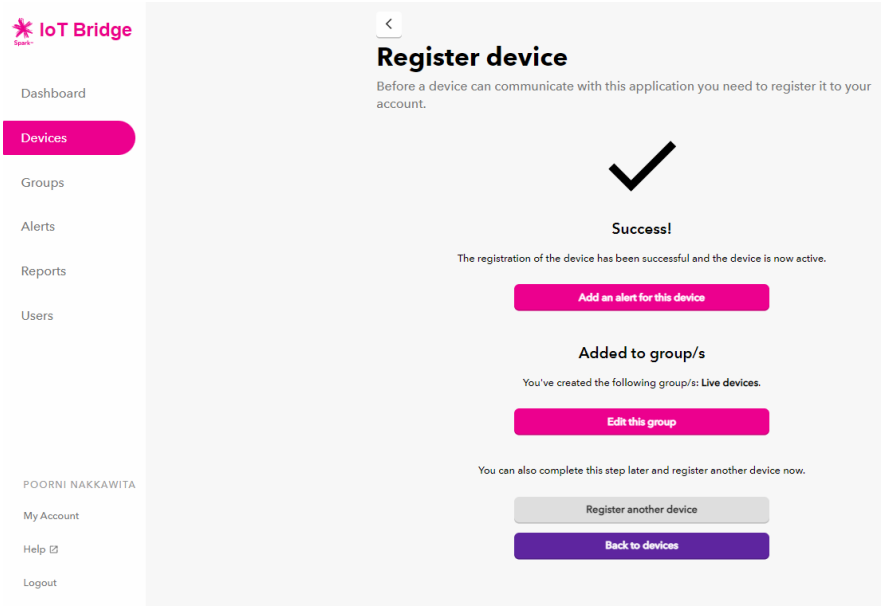
Review the details and click **Confirm** (click **Back** if you need to change the details)



1.

5.

All done.

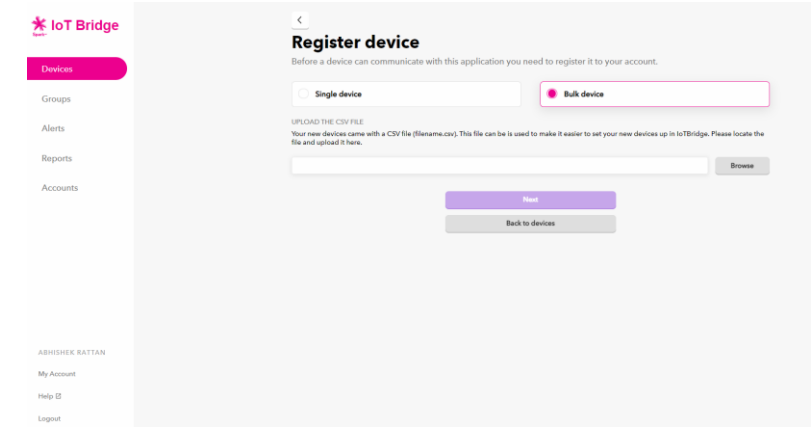


Note: Efento devices limit the number of transmissions to optimize the battery lifetime. By default, the devices will log a reading every 5 minutes, and upload all those readings every 3 hours. You can configure the device Edge Rule to trigger **real time alerts** if certain conditions are met.

Add multiple devices

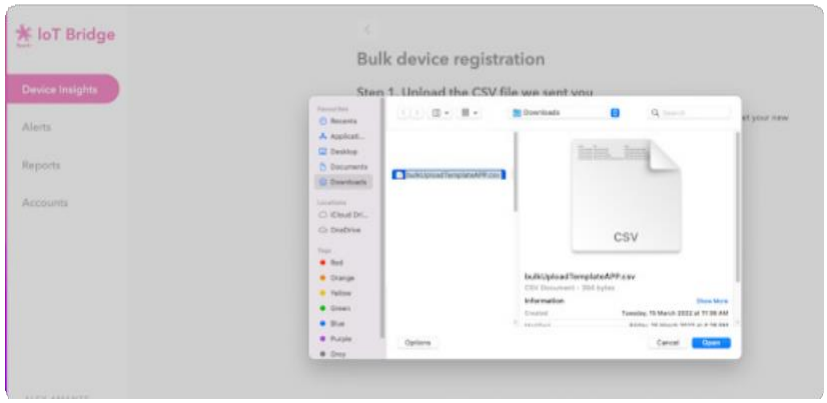
1.

Log in to IoT Bridge portal and select **Bulk Device Registration** under Add device

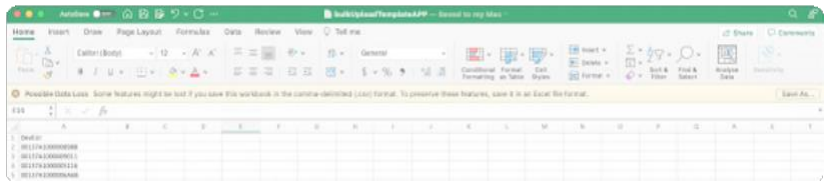


2.

Select **Browse** and upload the .CSV file including DevEUI details that was sent with your new devices.

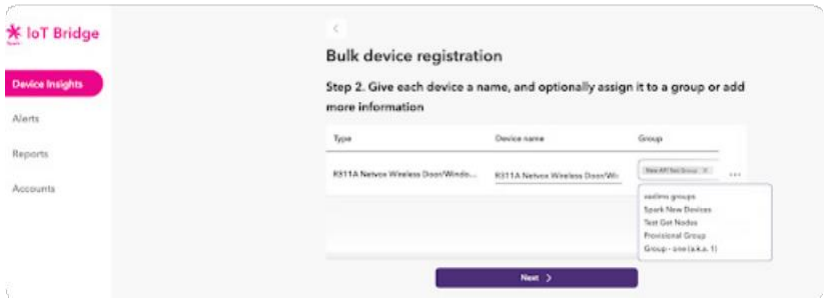


Below is the Screenshot of the CSV File format:



3.

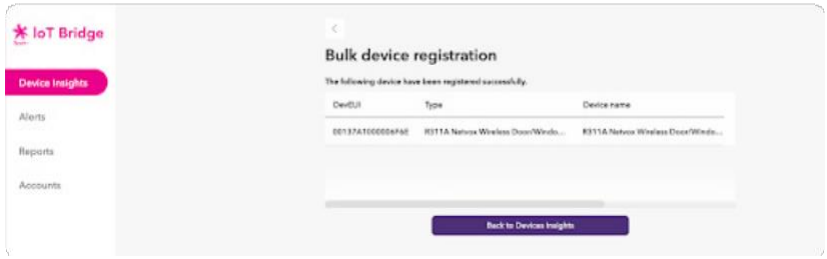
Once the CSV file is uploaded successfully, you'll be provided with an option to edit the device name and to assign the device to a particular group.



4.

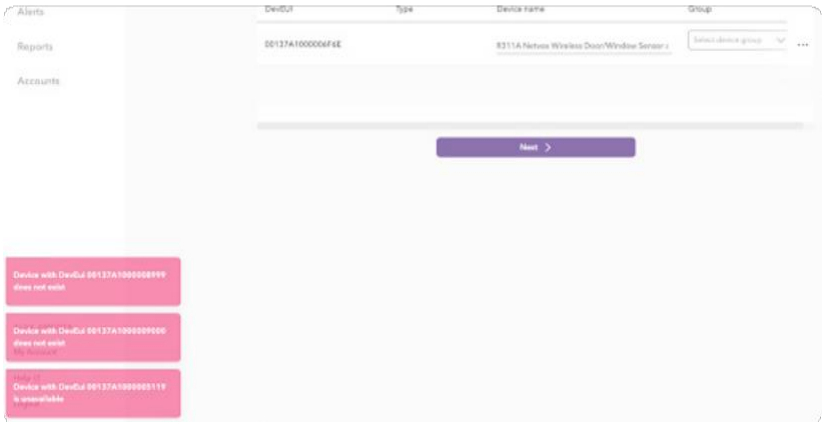
After the device name and group details have been entered, select **Next** to complete the Bulk device Registration.

If the DevEUI is invalid or incorrect, an error will appear on the Bulk device registration screen. Please review and correct as required.



5.

All done.

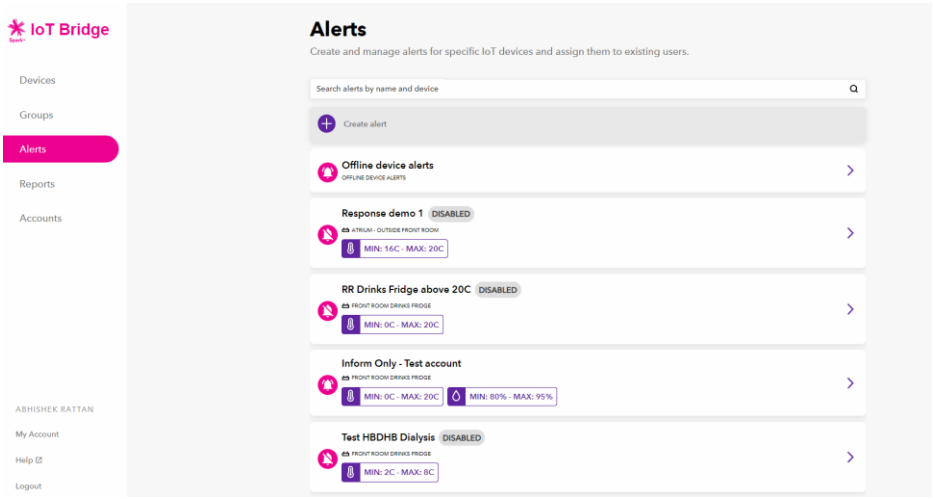


Note: Efento devices limit the number of transmissions to optimize the battery lifetime. By default, the devices will log a reading every 5 minutes, and upload all those readings every 3 hours. You can configure the device Edge Rule to trigger **real time alerts** if certain conditions are met.

Create a new alert

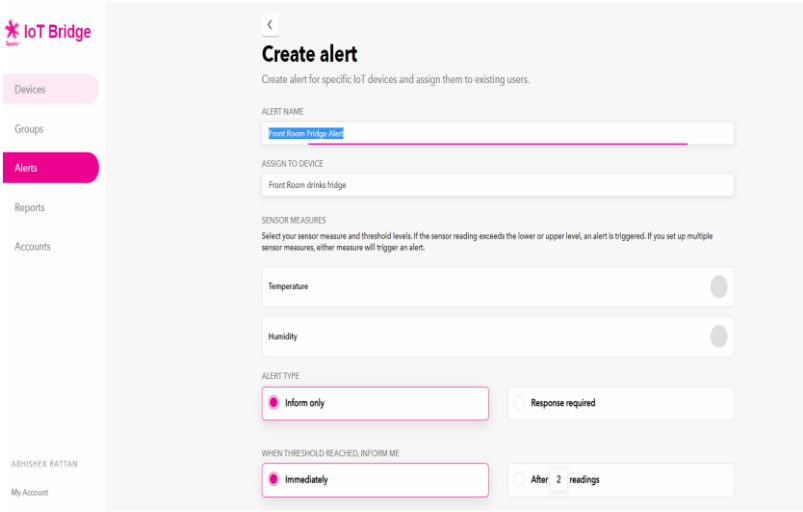
1.

Log in to IoT Bridge and click **Alerts** in the menu on the left



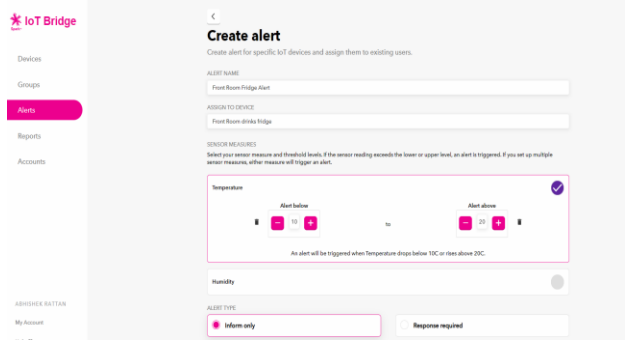
2.

Click **Create alert** and give your alert a name. Assign a device for your alert by typing the device name in the ASSIGN TO DEVICE field. A list of your devices will appear to help you find the right one.



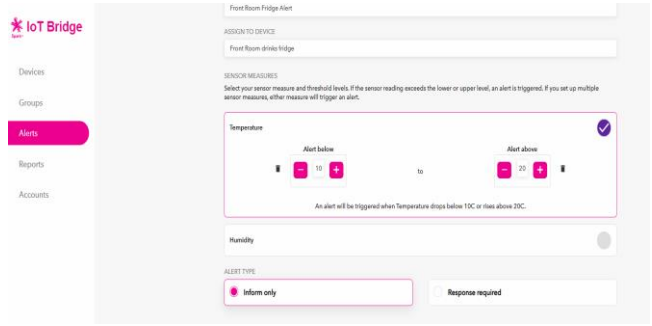
3.

Choose the data type for the alert, and set the thresholds that trigger the alert



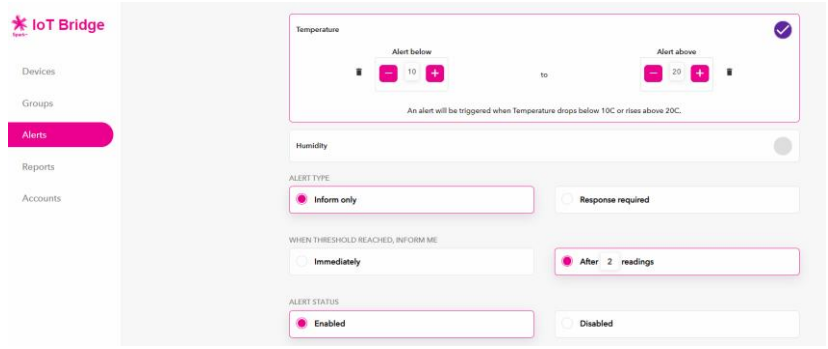
4.

Choose if the alert will trigger a required response or is going to be an **inform only**



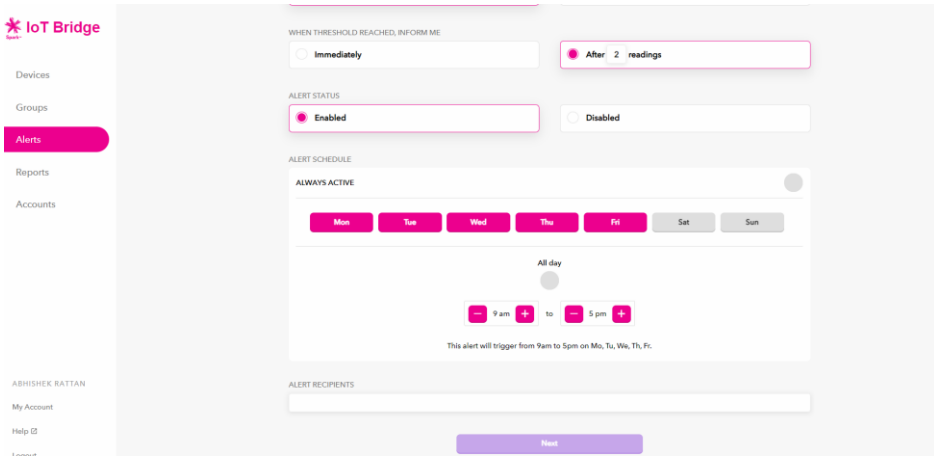
5.

Choose whether the alert will be sent as soon as the threshold is reached, or whether to delay the alert until the threshold is reached for 2 or more consecutive readings. This may be useful where, for example, it is acceptable for the temperature in a fridge to spike temporarily, but not over a longer timeframe.



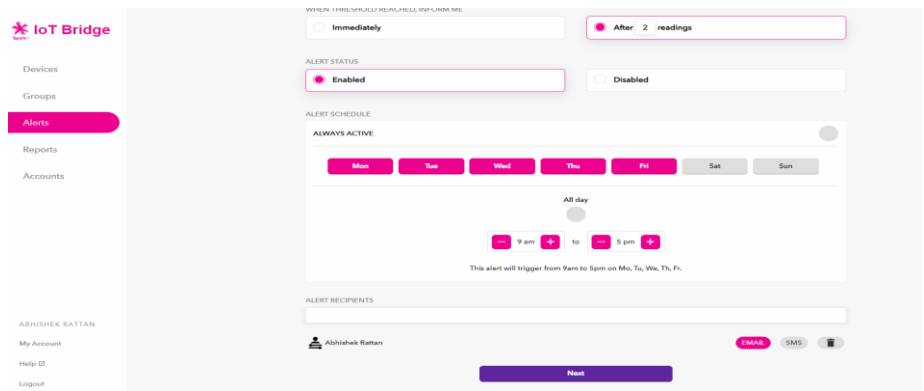
6.

Choose whether the alert will be enabled by default, and whether it will be active always or only during specific days and hours



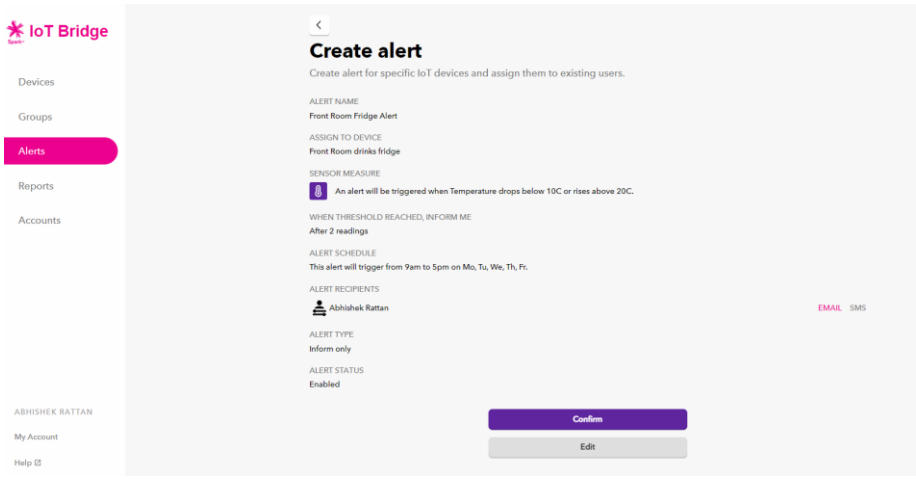
7.

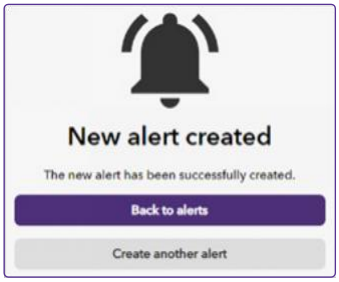
Select who will be receiving the alert and how (email or txt). Click **Next**.



8.

Review the alert settings and click **Confirm.**



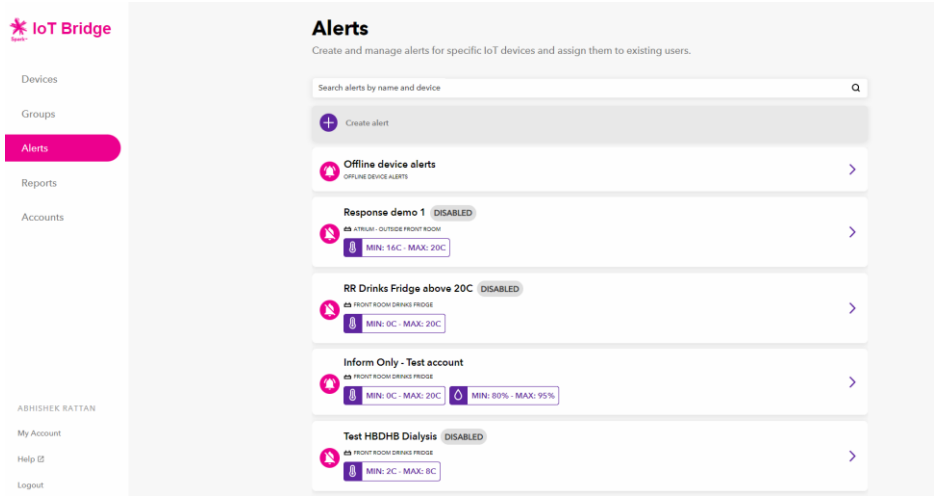


Create rules & alerts – Efento devices

Efento devices limit the number of transmissions to optimize the battery lifetime. By default, the devices will log a reading every 5 minutes, and upload all those readings every 3 hours. You can configure the device Edge Rule to trigger **real time alerts** if certain conditions are met.

1.

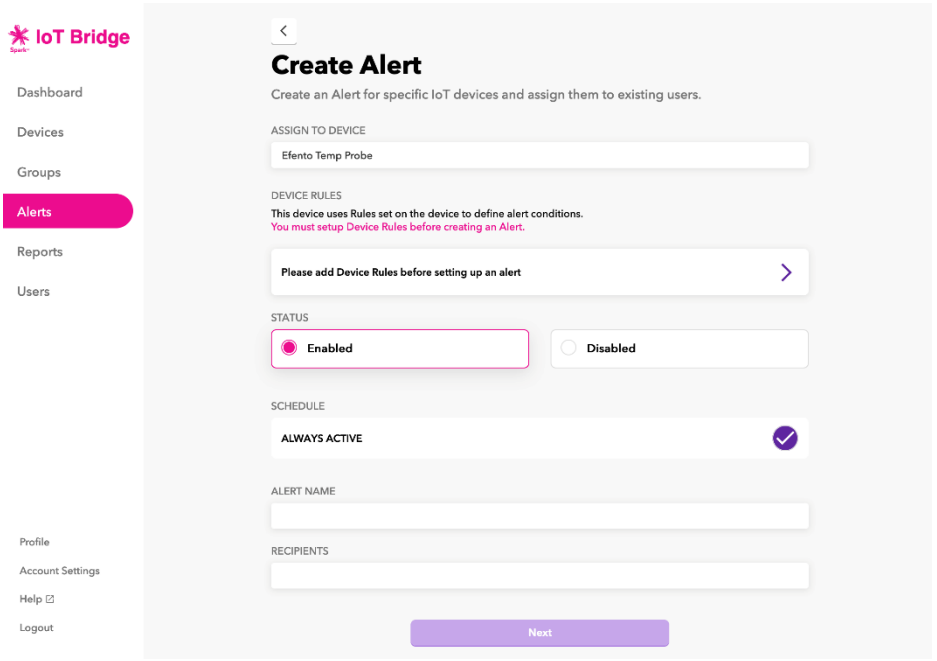
Log in to IoT Bridge and click **Alerts** in the menu on the left



2.

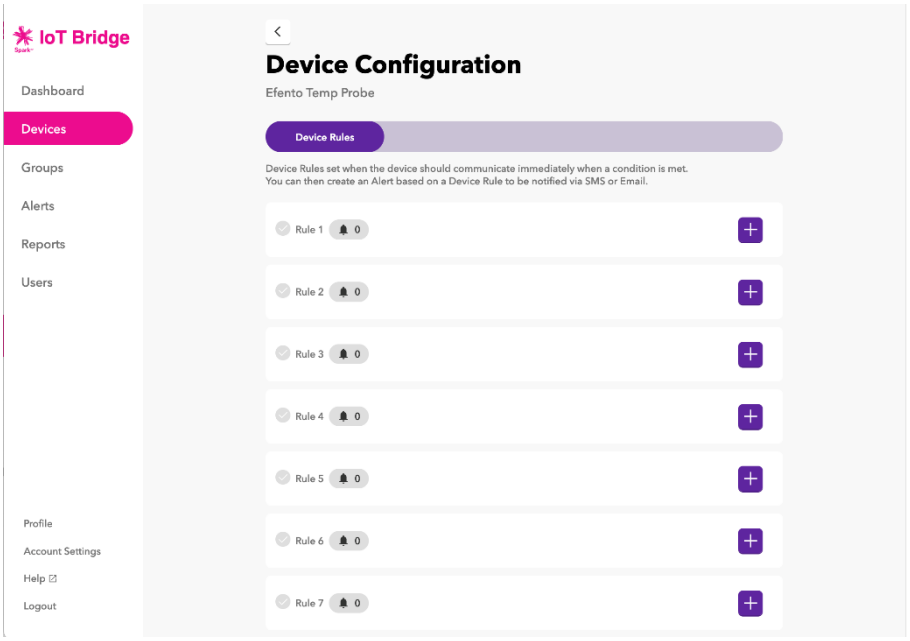
Click **Create alert** and assign the Efento device for your alert by typing the device name in the ASSIGN TO DEVICE field. A list of your devices will appear to help you find the right one.

You have to set up rules first before creating an alert, therefore click **Please add Device Rules before setting up an alert.** Rules can be used for triggering alerts. You can set up to 12 rules



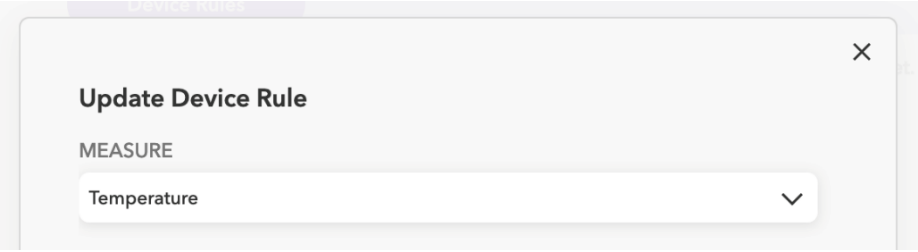
3.

Click **+** sign on Rule 1



4.

Select the measure you want to create the rule from the drop down.

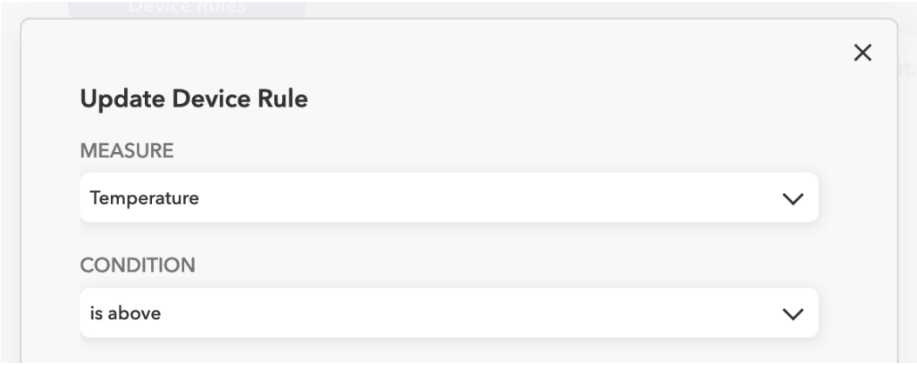


5.

Select the condition between “Is Above” and “Is Below”

Is Above - if a measurement taken by the device is higher than the threshold value, the device will trigger an immediate transmission.

Is Below - if a measurement taken by the device is lower than the threshold value, the device will trigger an immediate transmission.



6.

Select the sample type.

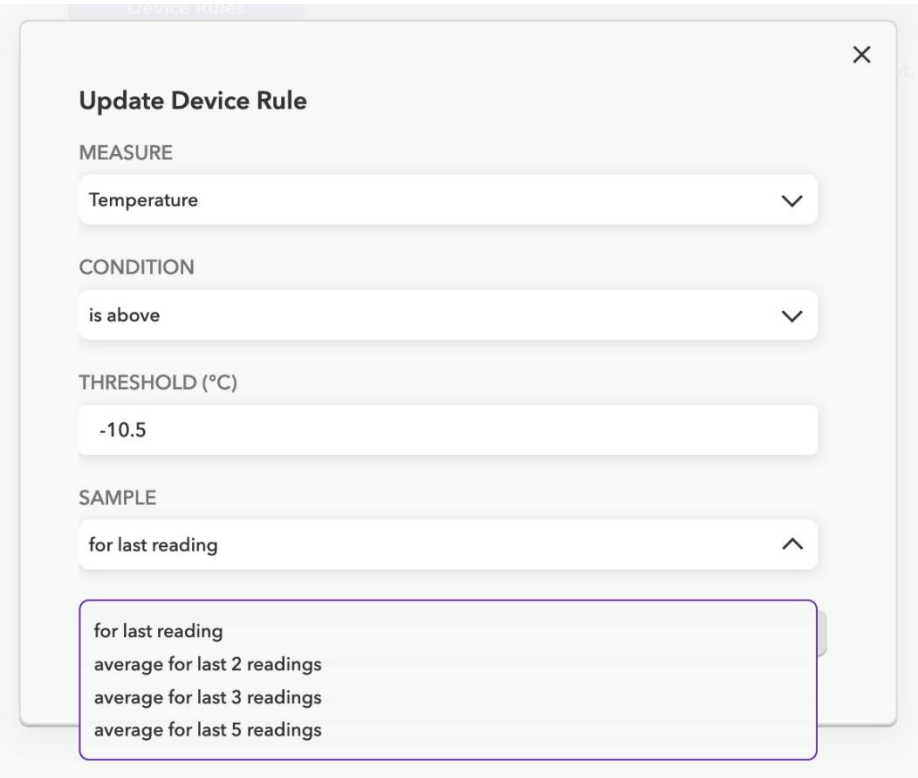
For last reading: If the last reading the device takes meets the condition, trigger transmission.

Average for the last 2 reading: If the average reading over 2 readings the device takes meets the condition, trigger transmission.

Average for the last 3 reading: If the average reading over 3 readings the device takes meets the condition, trigger transmission.

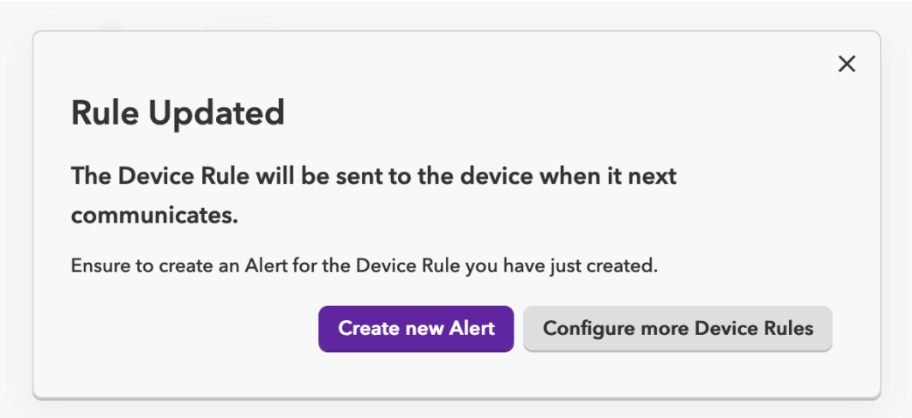
Average for the last 5 reading: If the average reading over 5 readings the device takes meets the condition, trigger transmission.

Click **Save Rule**



7.

Pop-up will appear asking to either select create new alert or to select configure more rules. If you have completed adding more rules, click **Create new alert.**

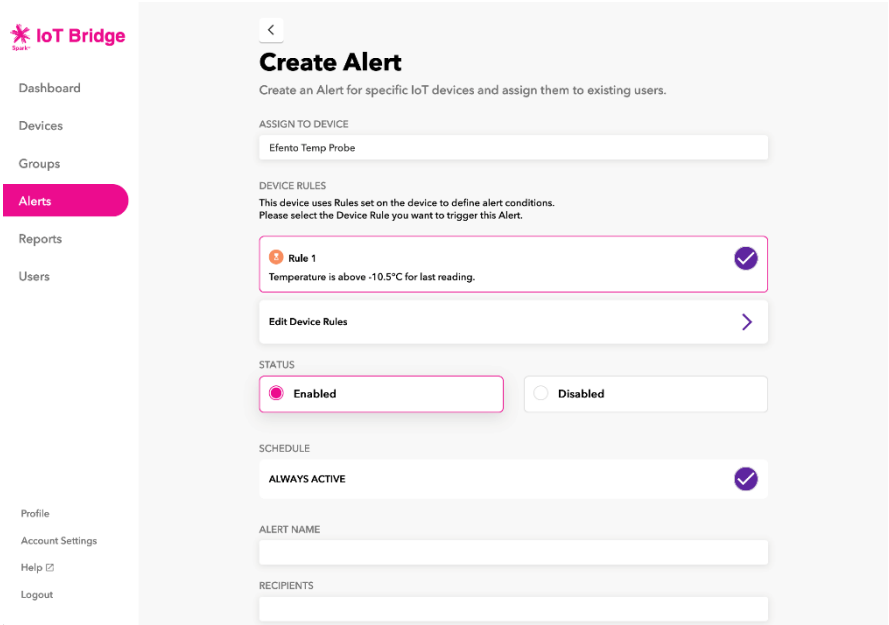


8.

You will be taken into the rule creation page.

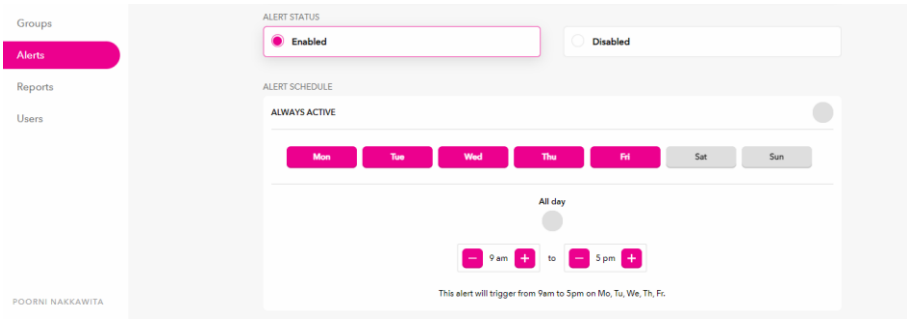
Select a rule for this alert to be associated with.

Note: You can only select one rule to be associated with an alert



9.

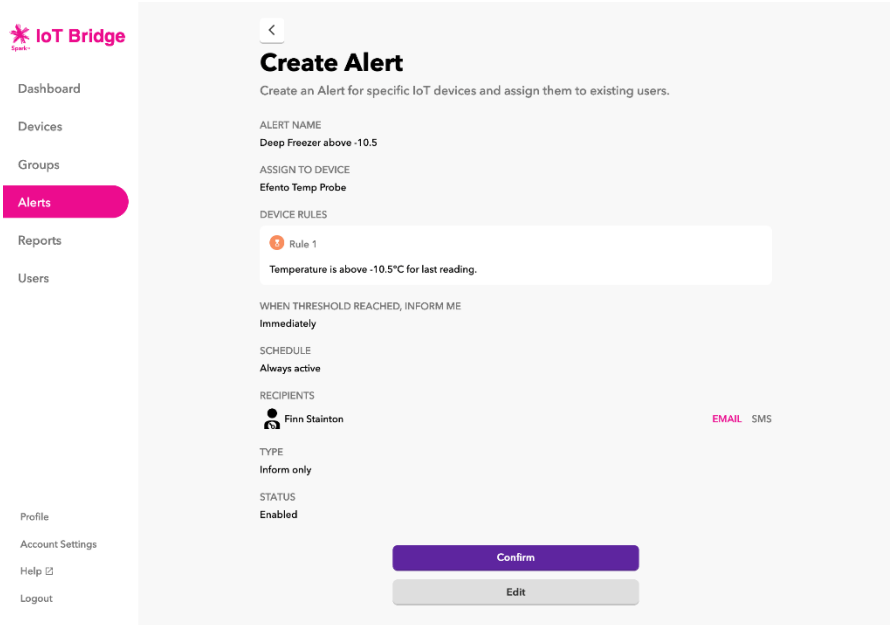
By default, alert status has been selected to be **Always Active.** If you want the alert to be only active during certain date(s) and/or time, de select **Always Active** and select the days and time you want the alert to be active.



10.

Give your alert a name and select who will be receiving the alert and how (email or txt). Click **Next**.

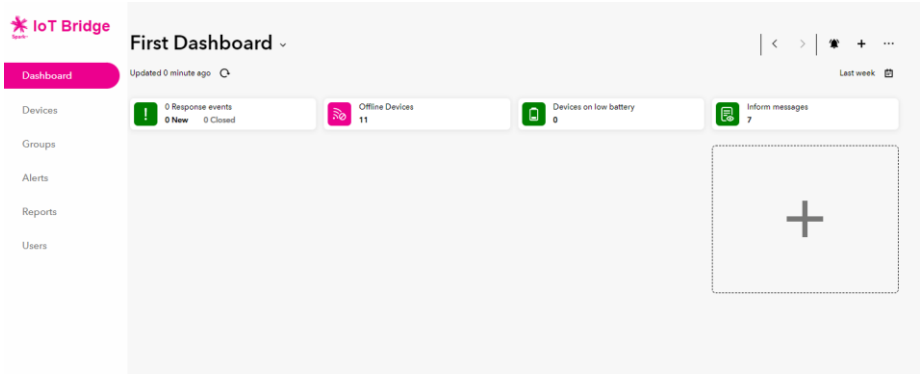
Note: Only “Inform Only" alerts are available for Efento devices at this stage.



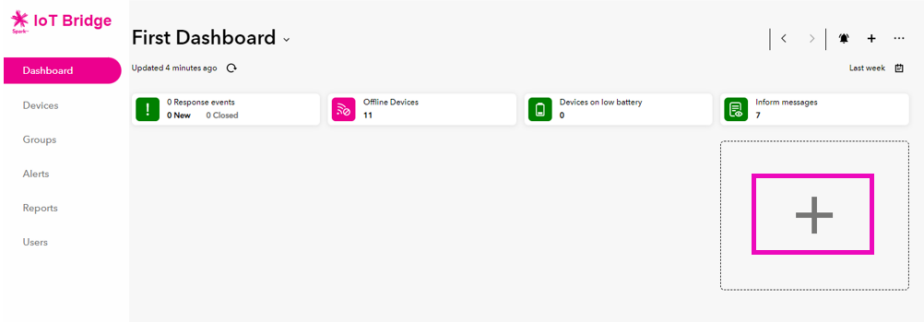
Dashboard

The IoT Bridge Dashboard is best viewed on a desktop PC, laptop, or a tablet.

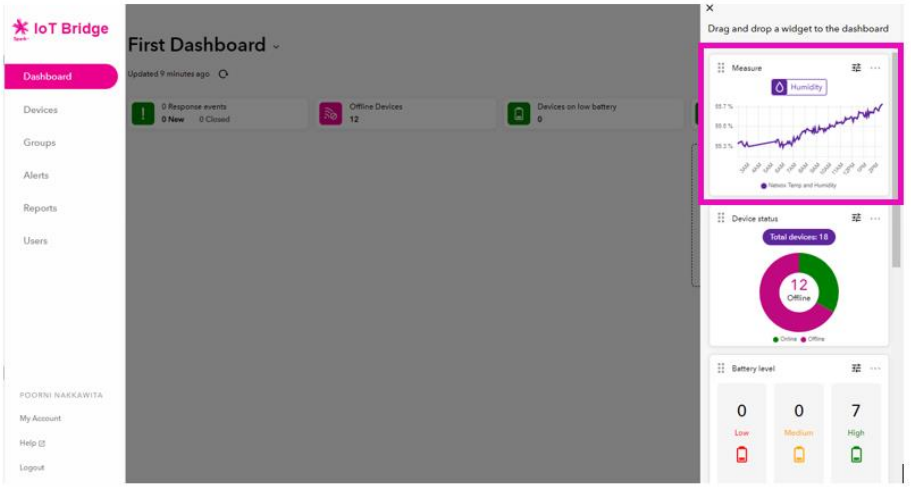
1. Log in to IoT Bridge and click **Dashboard**



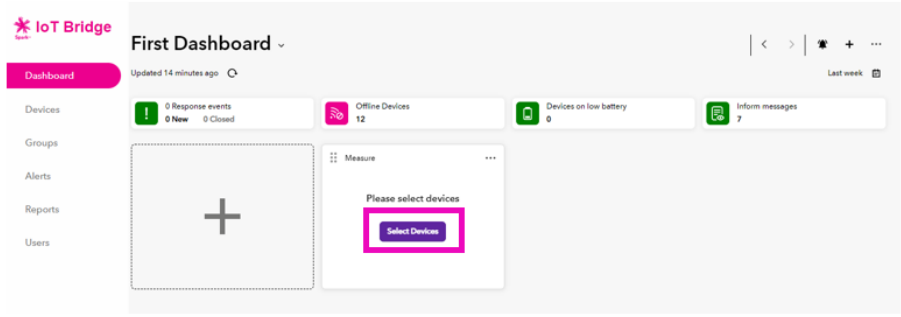
2. To display a widget on the dashboard, select **"+"**



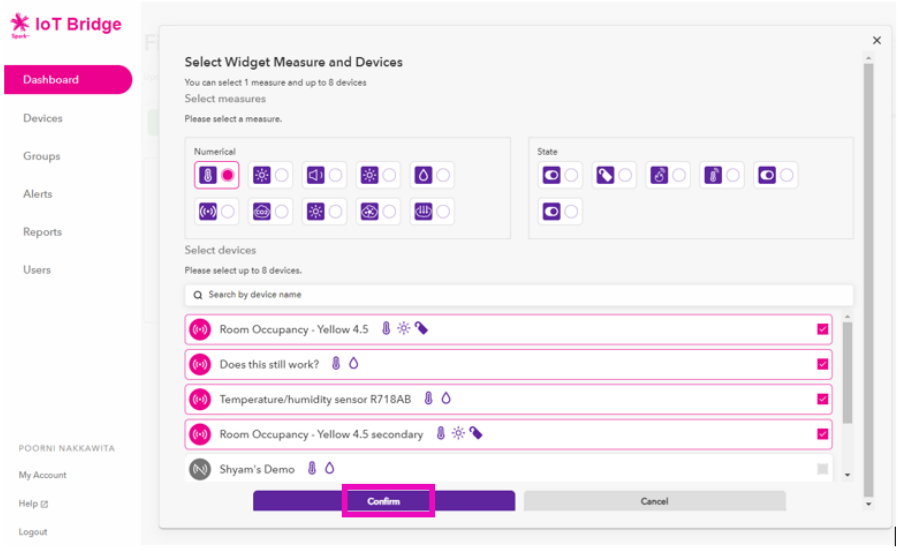
3. Select the widget you want to add and drag and drop to the dashboard.



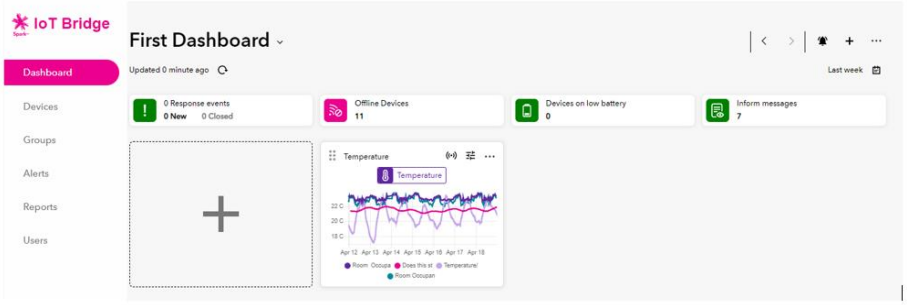
4. For "Measure" widget you can select 1 measure and up to 8 devices. Click **Select Devices**



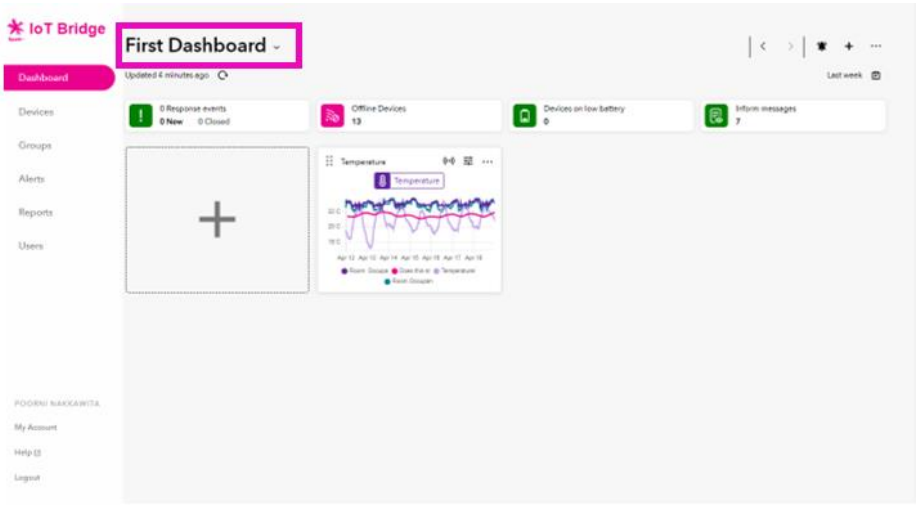
5. Select a “Measure” and select the devices. Click **Confirm**



6. Repeat if you want to add more widgets.



7. To change the Dashboard name click “First Dashboard”

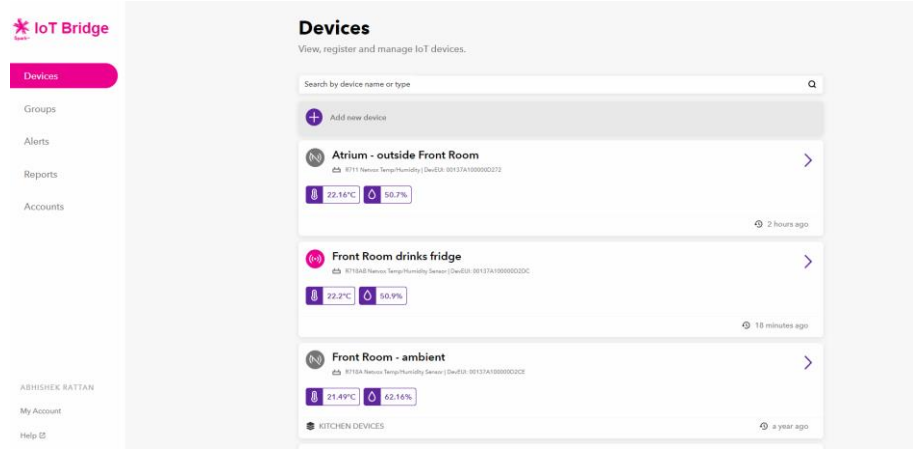


8. Type the Dashboard name click the tick to confirm.

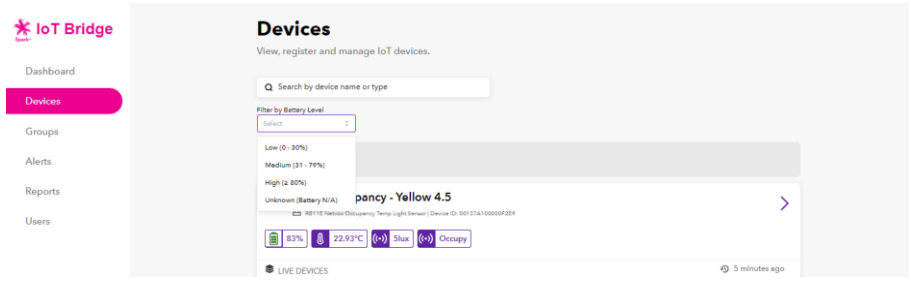
9. All Done.

Check device insights

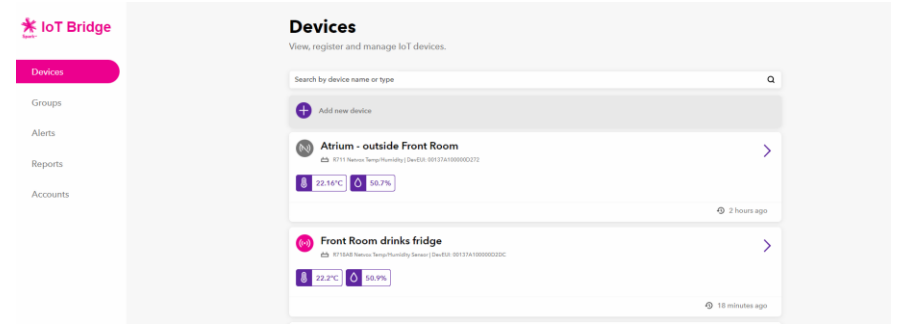
1. Log in to IoT Bridge and click Devices in the menu on the left



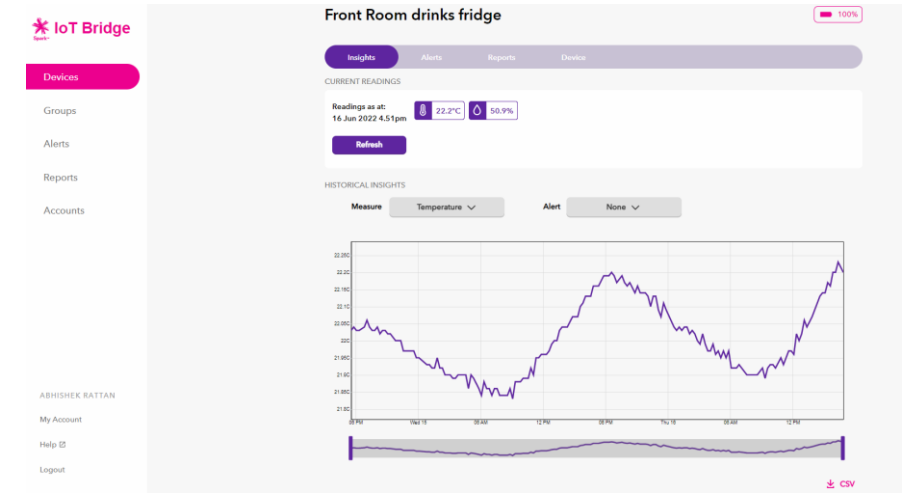
2. The device list can be filtered by the battery levels



3. Find the device you want to check by either scrolling through the device list, using the search bar, or navigating to it via the Groups menu on the left hand menu

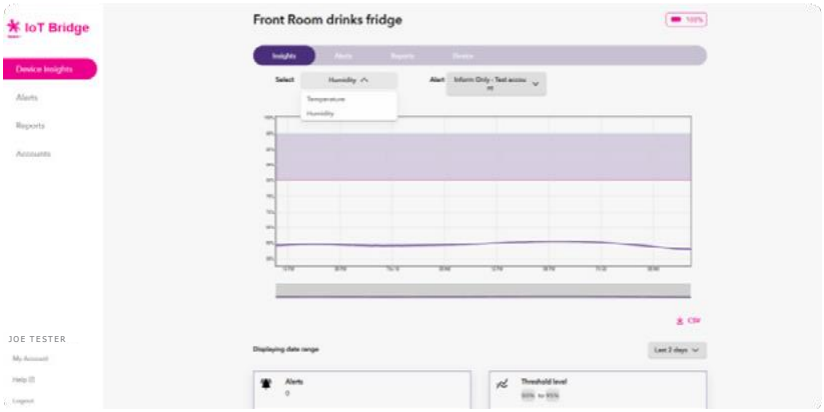


4. Select the device by clicking on it.



5.

Select the sensor measure you want to display, date range, and whether you want to map alerts onto the chart.



6.

If you need to analyse the data further use the .csv export button to download a copy of the data.

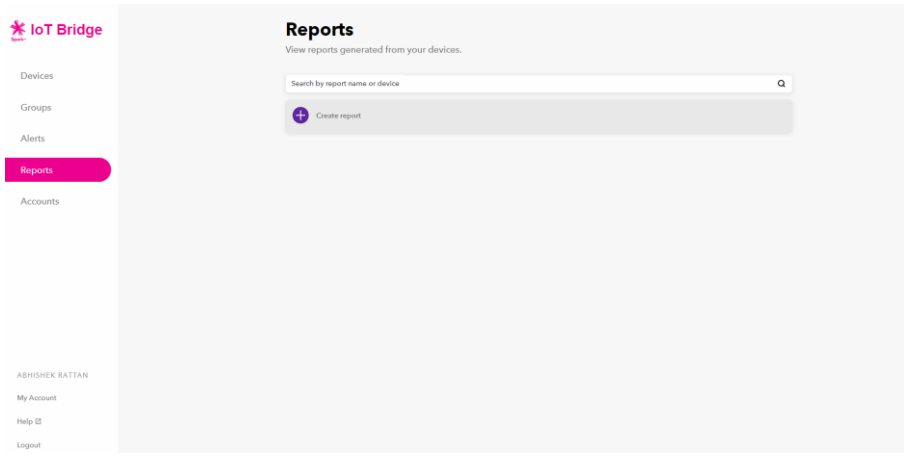
7.

All done.

Create a report

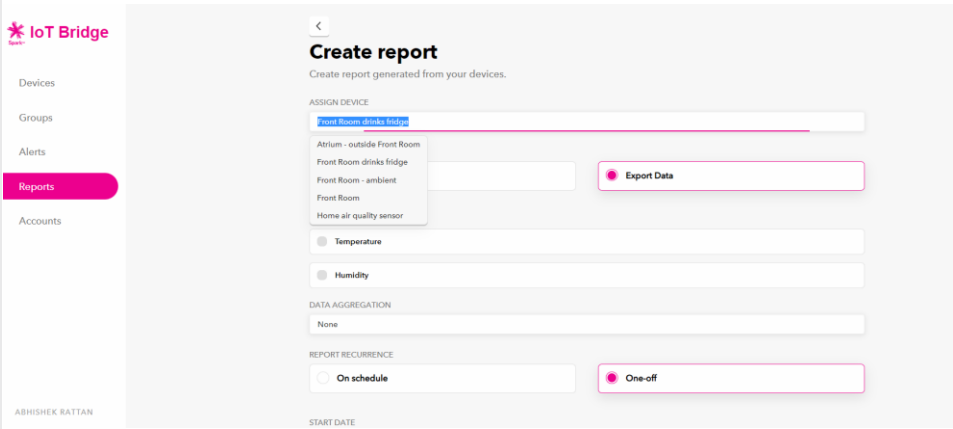
1.

Log in to IoT Bridge and click **Reports** in the menu on the left



2.

Click **Create report** and select a device for your report. Start typing the device name in the ASSIGN DEVICE field. A list of your devices will appear to help you find the right one.

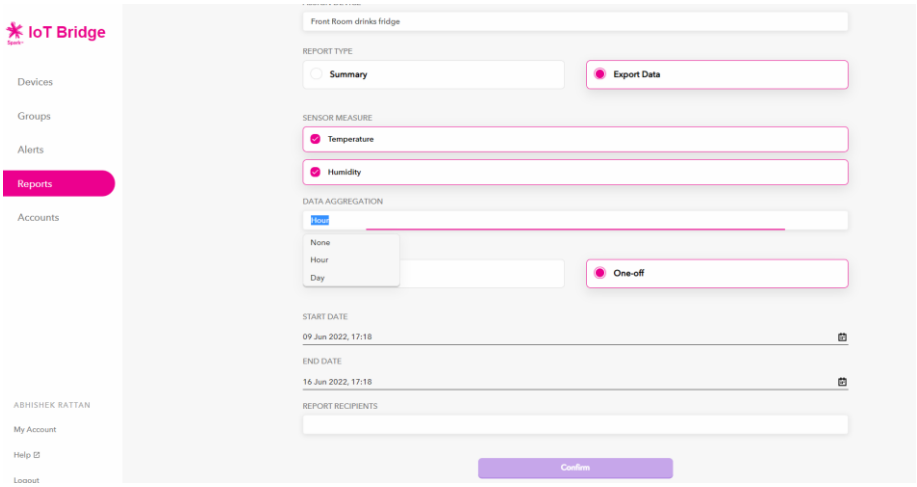


3.

Choose the data type for the alert; and select if you want your data aggregated.

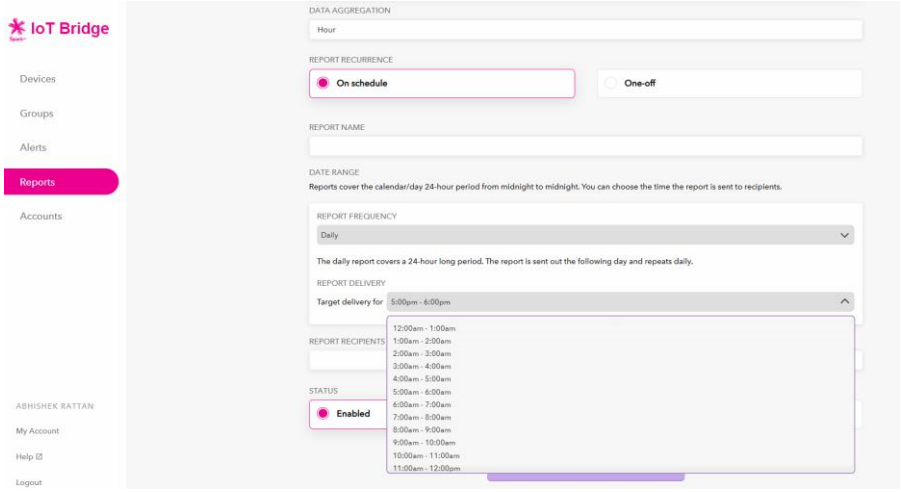
a.Use “None” to display all data points that have been collected during the specified period

b.Use “Hour” or “Day” to show the Minimum, Maximum and Average values for each hour or day within the specified period.



4.

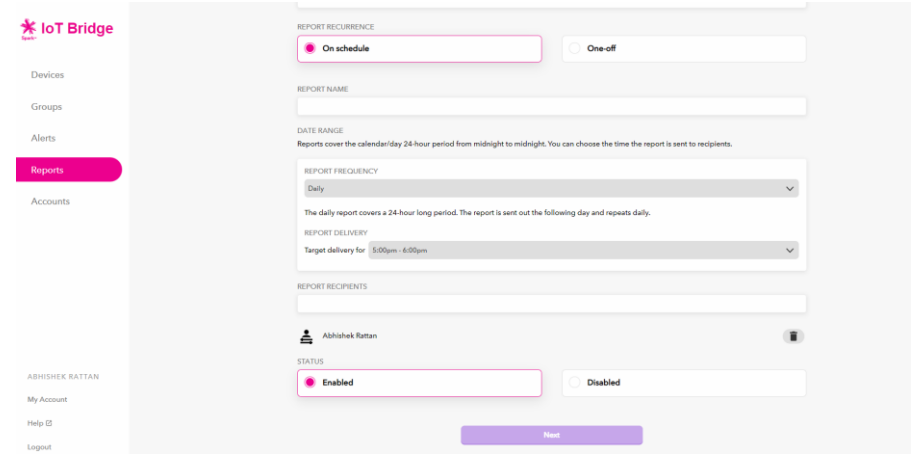
To create a recurring report, select **On schedule**. To create a one-off report, select **Ad hoc**. Fill out report details as required.



5.

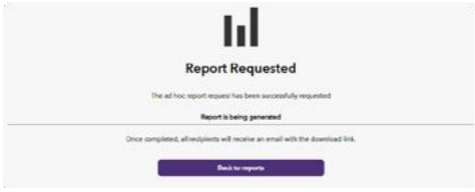
Add report recipients. Being typing in the REPORT RECIPIENTS field to show the list of available users. All recipients need to have been setup as IoT Bridge users. You can add as many recipients are needed.

Review the report details and click **Confirm**.



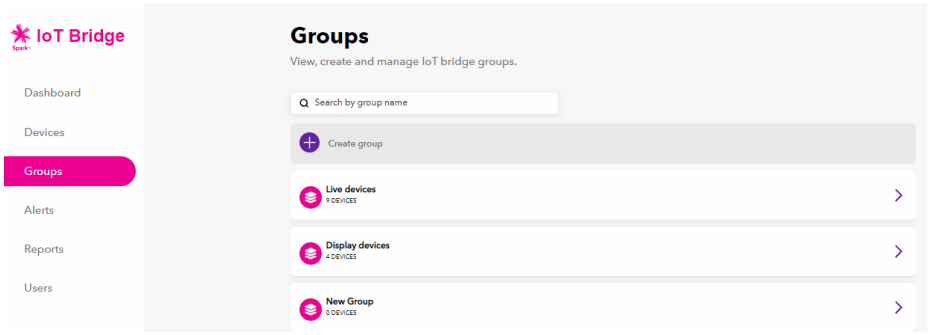
6.

All done.



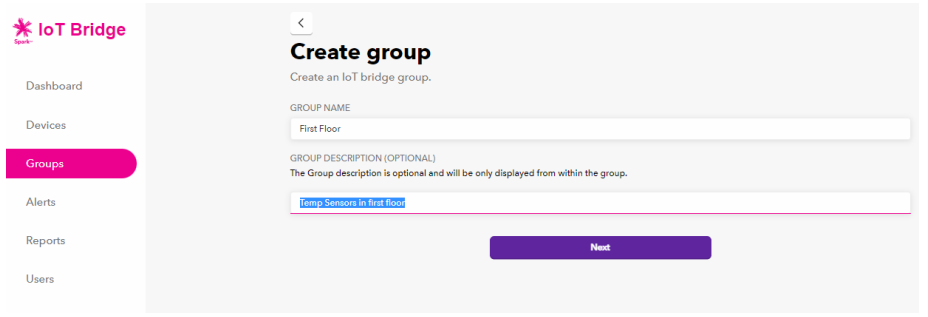
Groups

1 Log in to IoT Bridge and click **Groups**



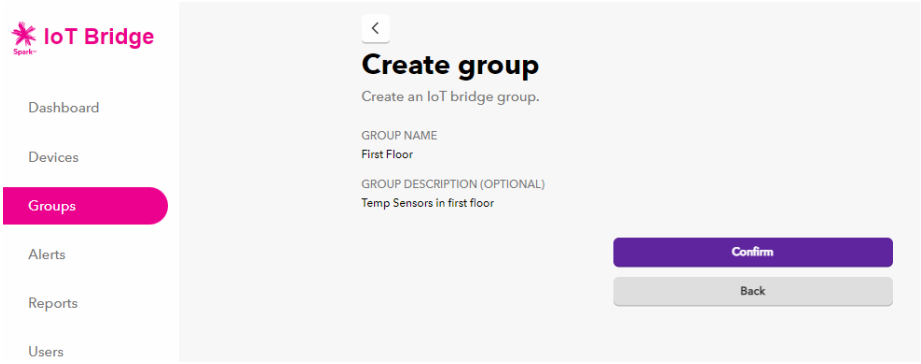
2.

Click **Create Group.** And enter Group name and Group Description (Optional). Click **Next.**



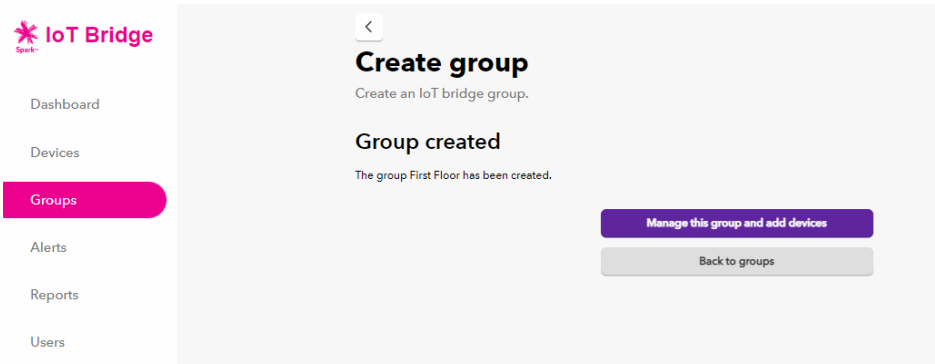
3.

Check the details are correct and click **Confirm.** .



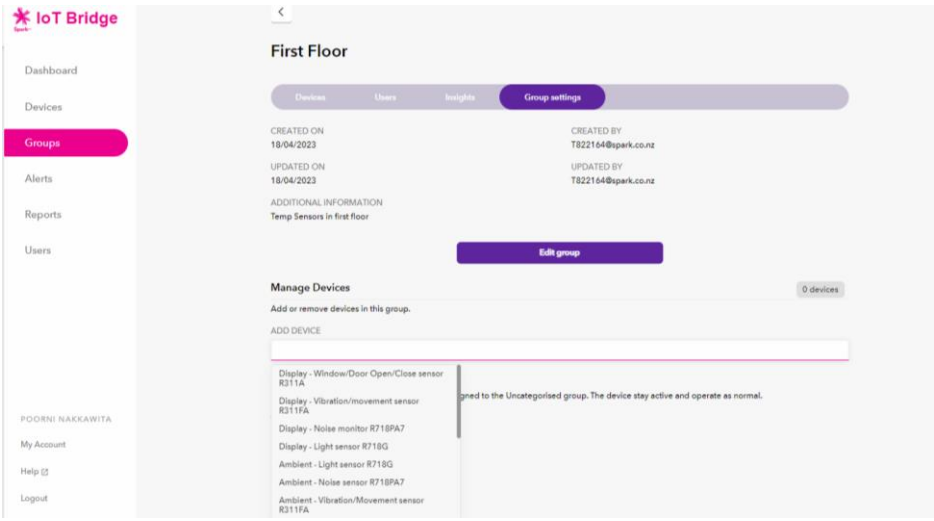
4.

To Add device and Manage the group click **Manage this group and add devices.**



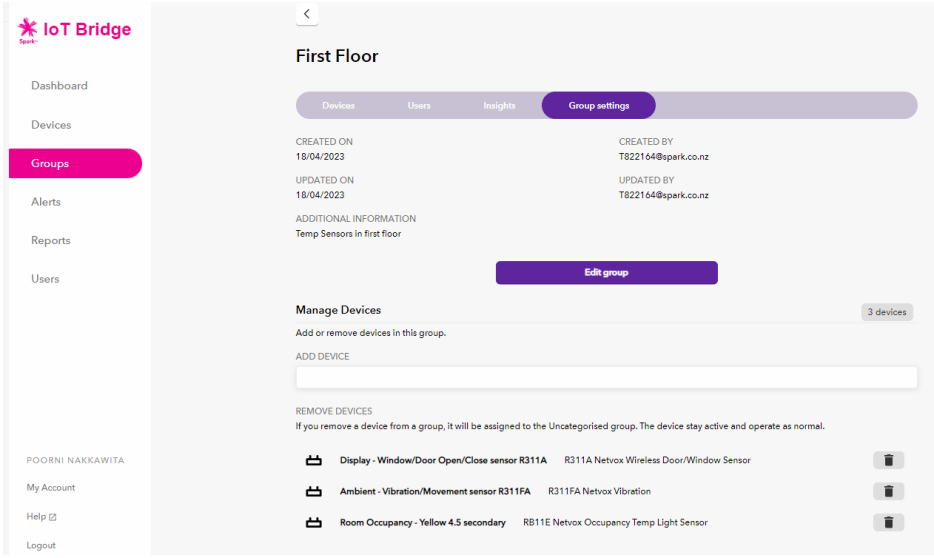
5.

To add devices click “ADD DEVICES” and list of devices will populate as a drop down. Select the devices.



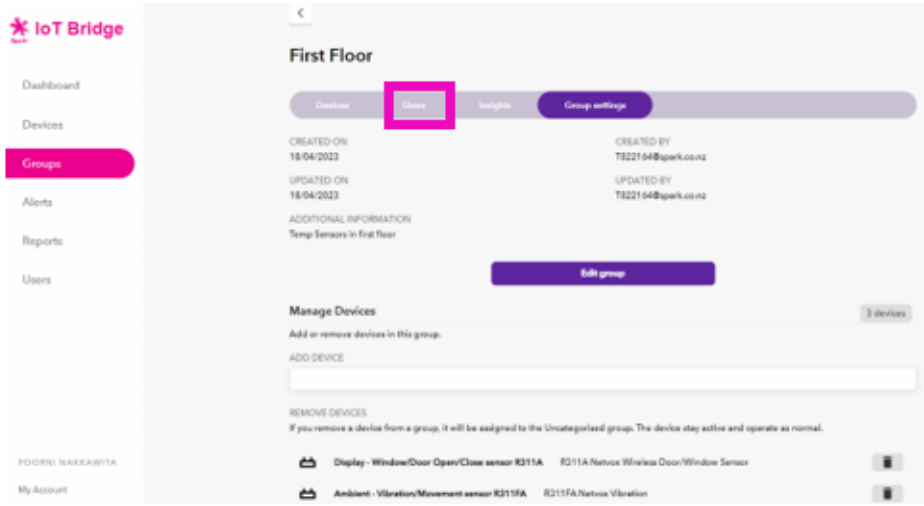
6.

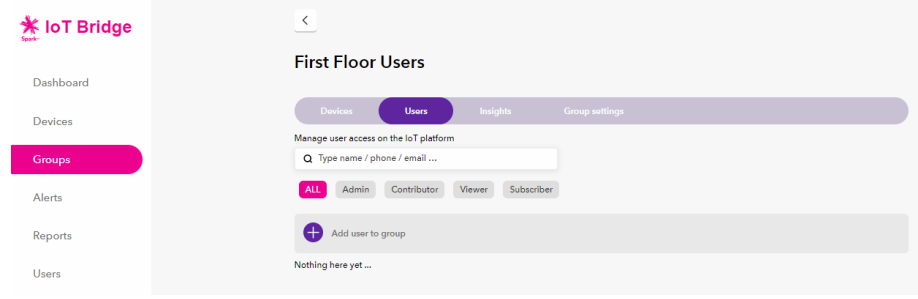
Repeat until you have added all the devices.



7.

Click **Users** to assign users to the group.



8.

Click **Add User to the group** to assign users to the group.Repeat until you have added all the relevant users to the group.