



# IoT Bridge

## Fridge Monitoring Starter Kit Quick Start-up Guide

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VERSION 8.1



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# 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 besides Super Admin that has access to user management, including assigning user roles and group memberships.

### Contributor

As a contributor you have access to device configuration, and the management of alerts and reports, and management of other user accounts.

### 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.

## Next Step

Please familiarise yourself with IoT Bridge functions that are described below. Don't be afraid to experiment and try various functions.

## Activate and login into your account

1.

Check your email for an activation link you would've received from [admin@iot.spark.co.nz](mailto:admin@iot.spark.co.nz).

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

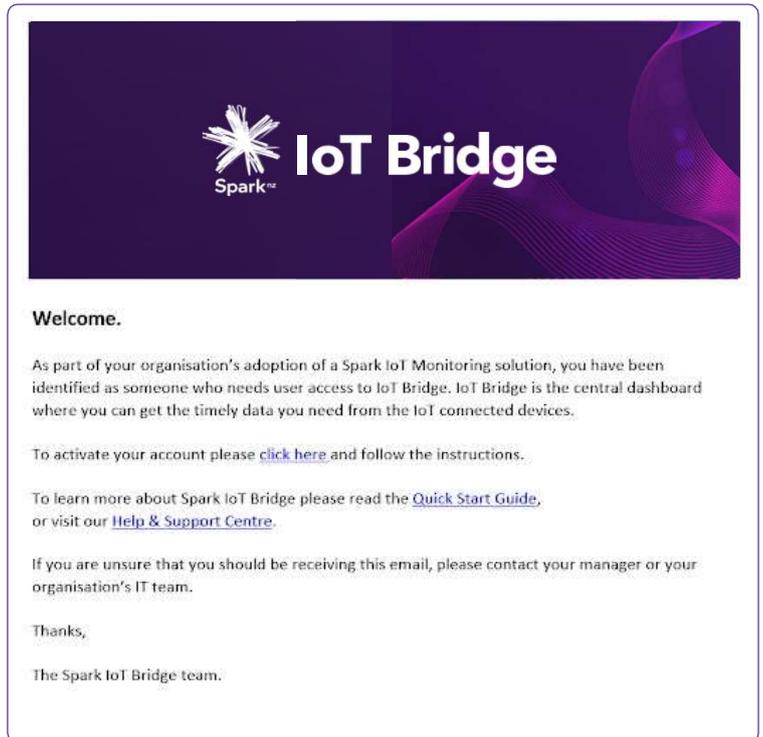
2.

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](http://www.iotbridge.nz/app) click on "Forgot your password?"

3.

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

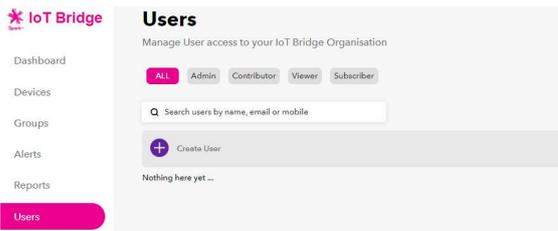
A screenshot of a web form titled "Activate your account" with the Spark logo and "IoT Bridge" text at the top. The form contains two input fields: "Email" with the value "clickyngl@gmail.com" and a toggle icon to the right, and "Password" with a masked password of ten dots. Below the password field, there are four green circular indicators, each followed by a requirement: "be between 8 and 64 characters", "include a lowercase letter", "include an uppercase letter", and "include a number or special symbol". Below these requirements is a "Confirm Password" field with a masked password of ten dots. At the bottom, there is a checked checkbox followed by the text "I agree to [Spark Privacy Policy](#)". A large purple button labeled "Next" is positioned at the very bottom of the form.

# Add users

1.

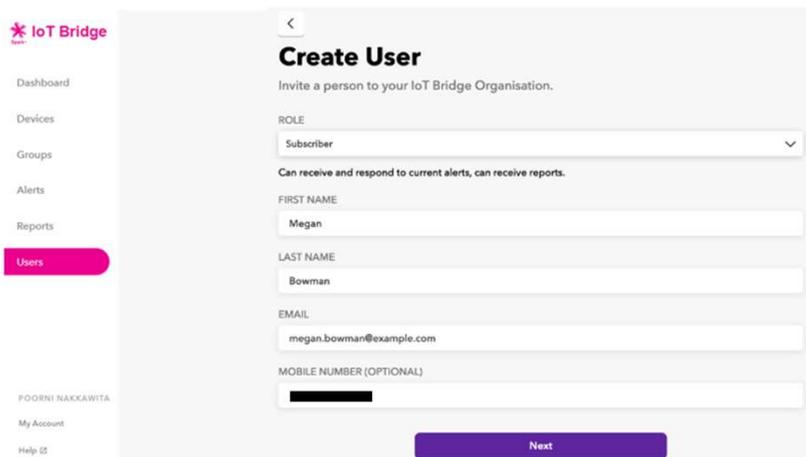
Log in to IoT Bridge and click on **Users** in the menu on the left.

Click **Create User**.



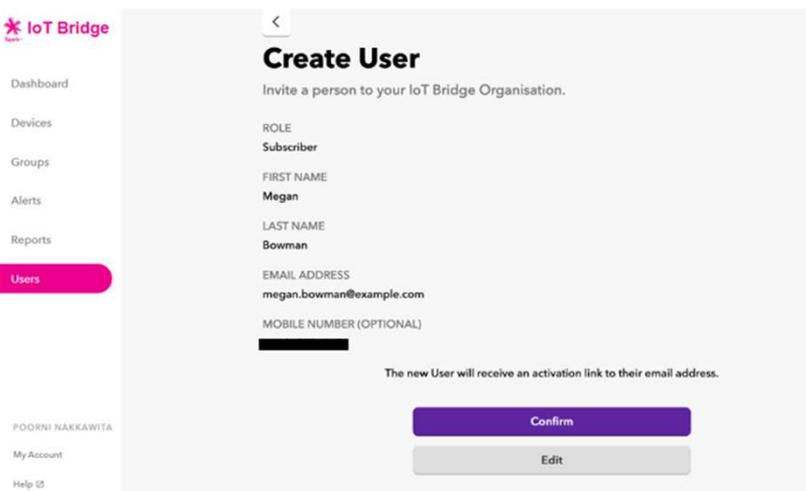
2.

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**



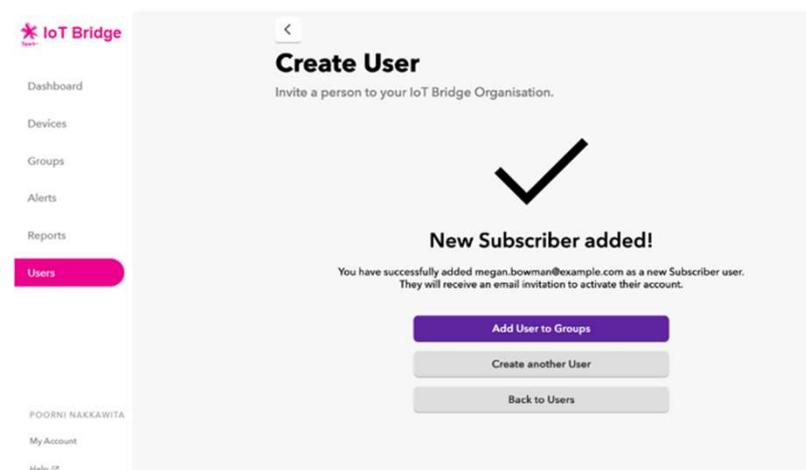
3.

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



4.

Click **Back to Users**.

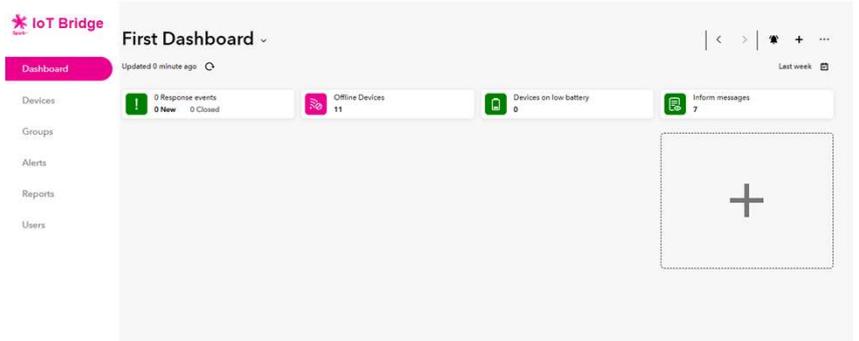


# Dashboard

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

1.

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



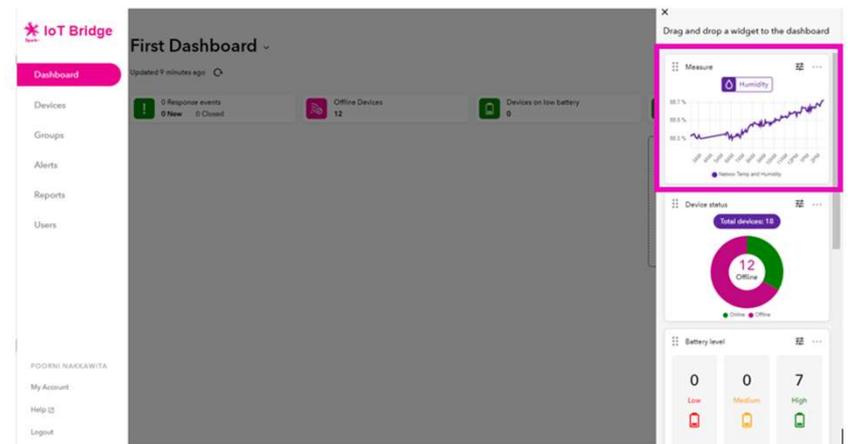
2.

To display a widget on the dashboard, select “+”



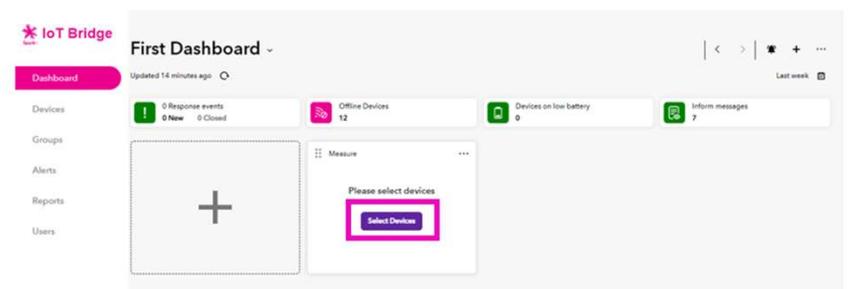
3.

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



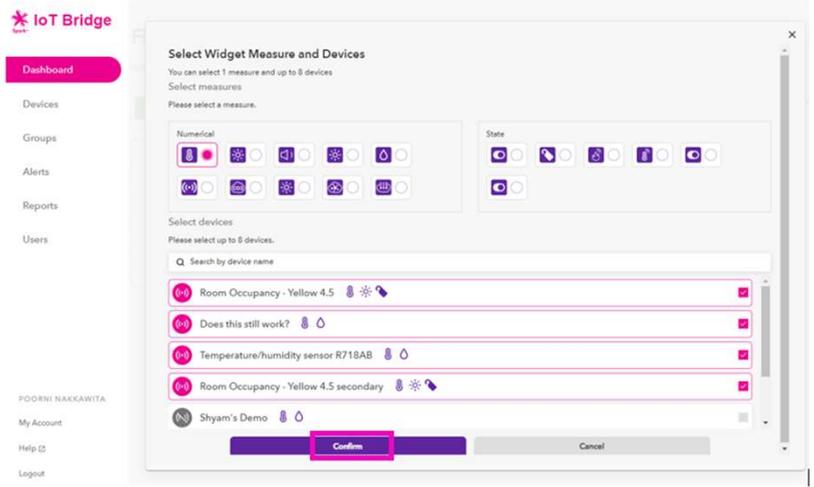
4.

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



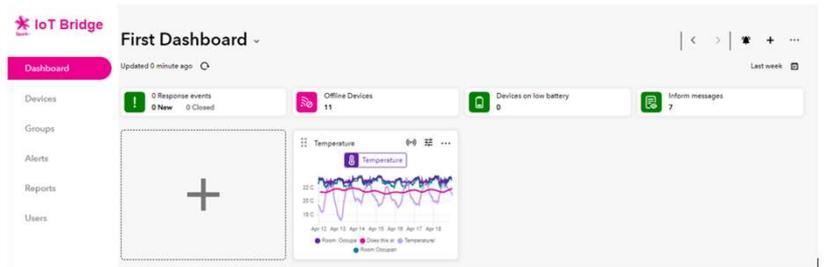
5.

Select a "Measure" and select the devices. Click Confirm



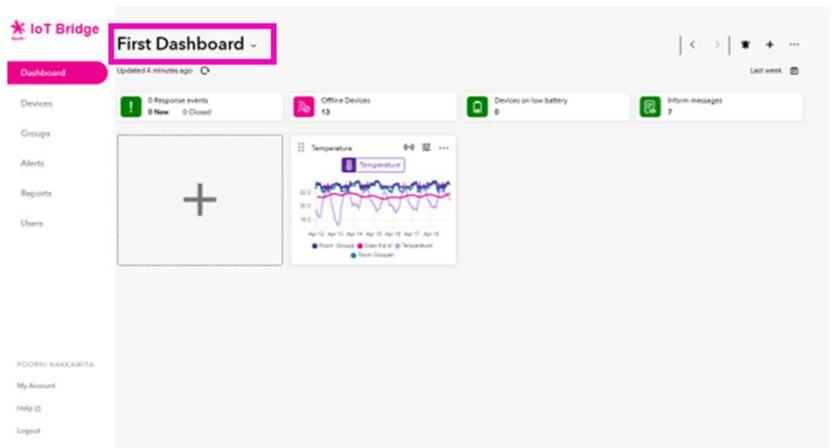
6.

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.

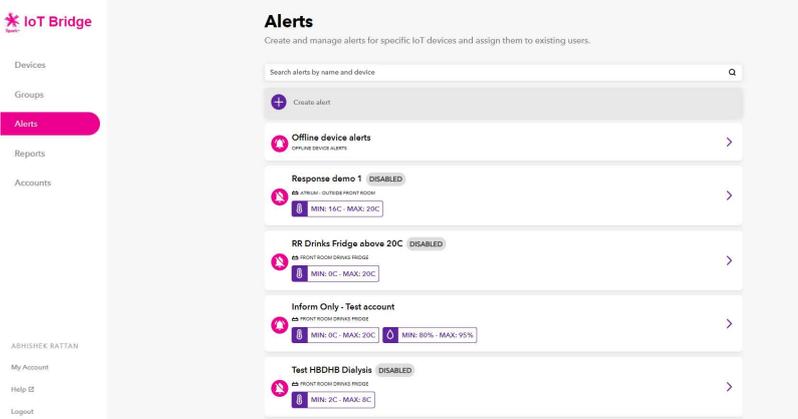
All Done.

# Create rules & alerts Efento devices

1.

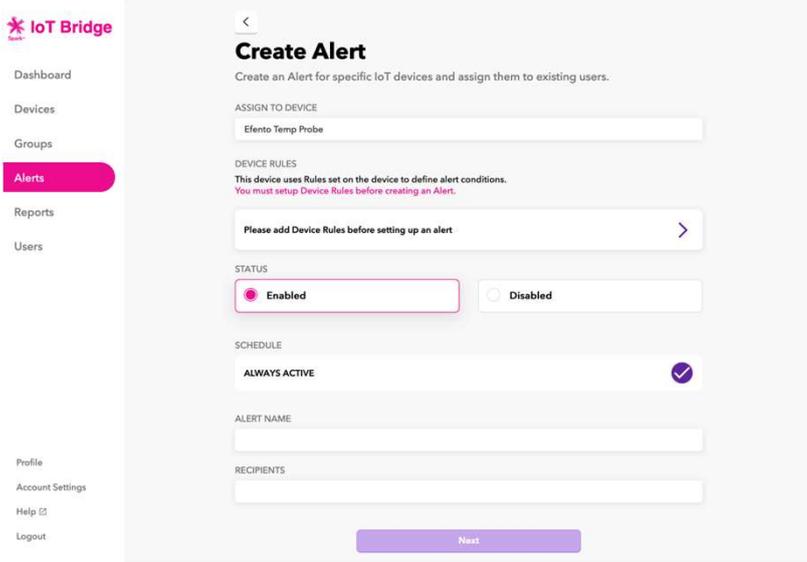
Log in to IoT Bridge and click **Alerts** in the menu on the left

Efento devices optimize the battery lifetime by limiting the number of transmissions. 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 immediate **real time alerts** if certain conditions are met.



2.

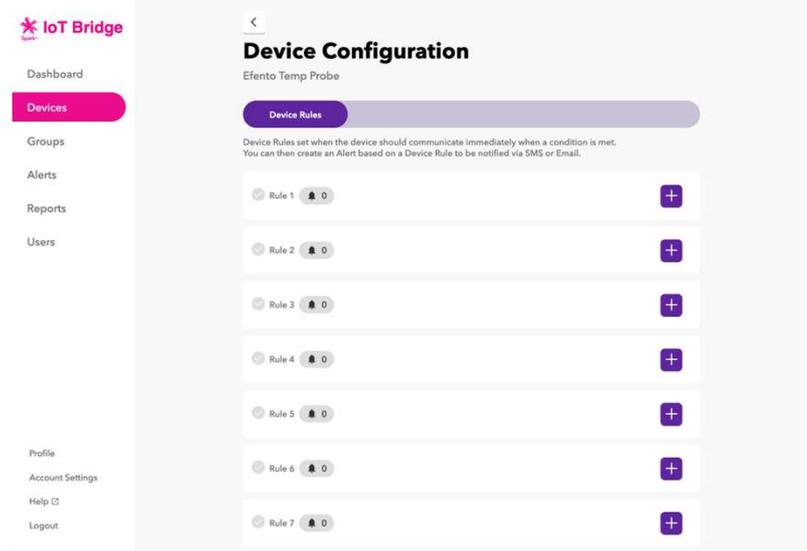
Click **Create alert** and assign the Efento device for your alert by typing the device name in the **ASSIGN TO DEVICE** field. A list of your devices will appear to help you find the right one.



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

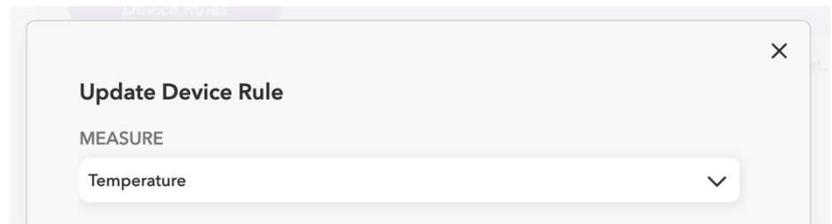
3.

Click the **+** sign next to Rule 1



4.

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



Update Device Rule

MEASURE

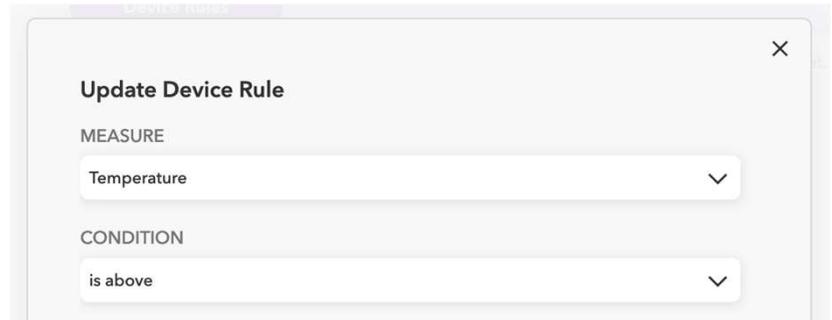
Temperature

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.



Update Device Rule

MEASURE

Temperature

CONDITION

is above

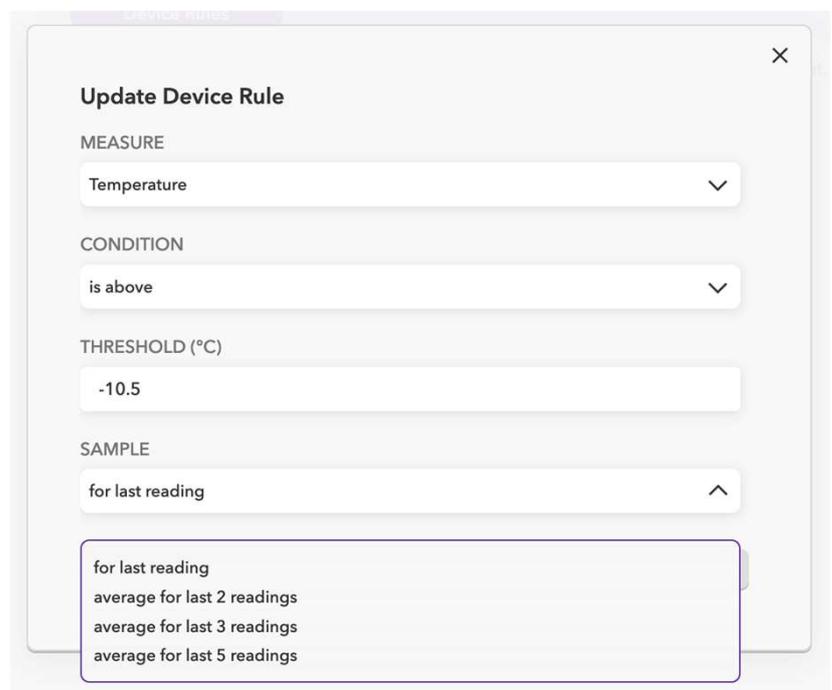
6.

Select the sample type.

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

Average for the last number of readings: If the average reading over the selected number of readings taken by the device meets the selected condition, trigger an immediate transmission.

Click **Save Rule**



Update Device Rule

MEASURE

Temperature

CONDITION

is above

THRESHOLD (°C)

-10.5

SAMPLE

for last reading

- for last reading
- average for last 2 readings
- average for last 3 readings
- average for last 5 readings

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

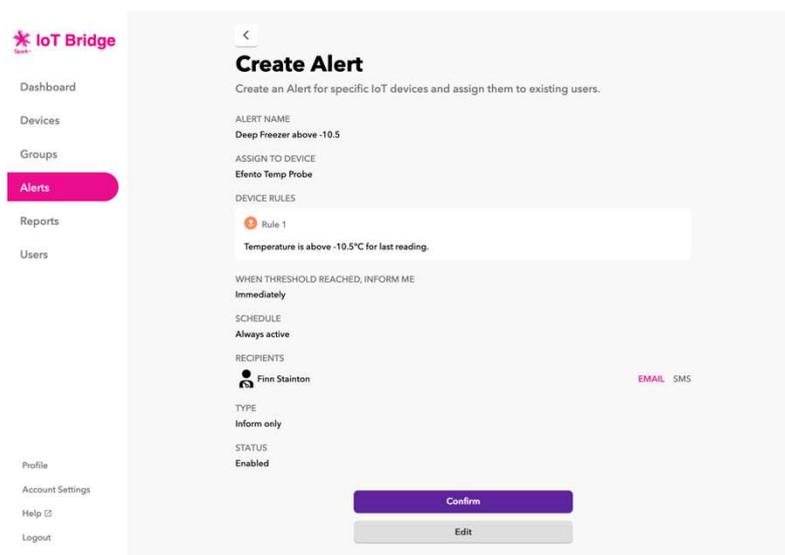
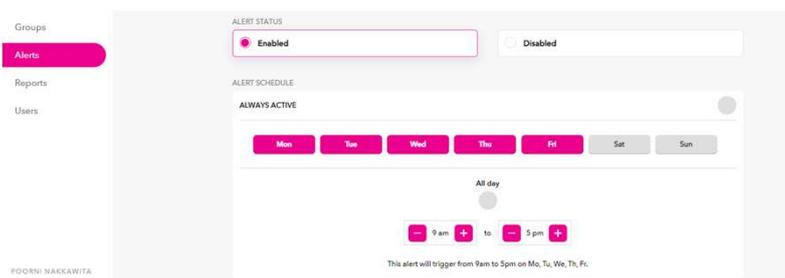
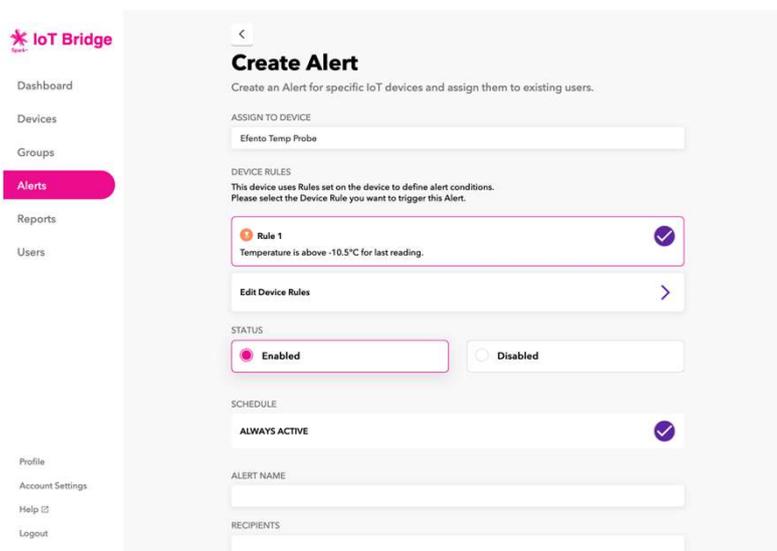
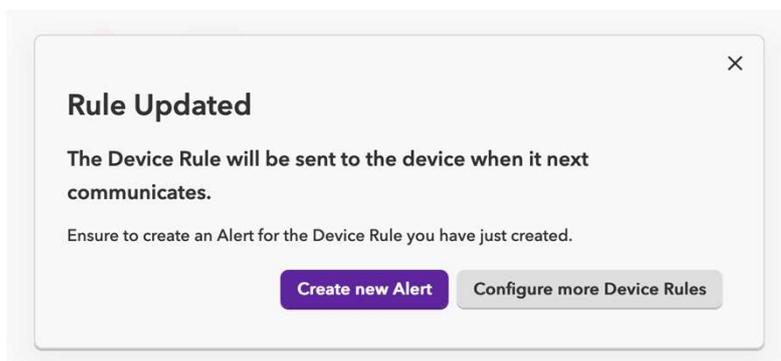
9.

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**.

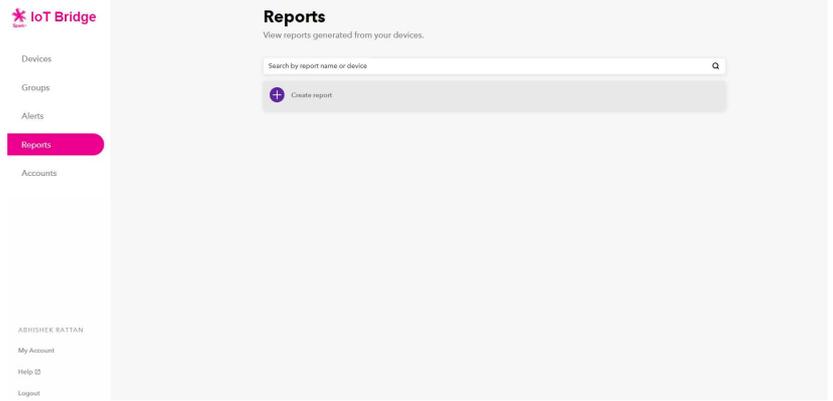
Note: Only "Inform Only" alerts are available for Efento devices at this stage.



# Create a report

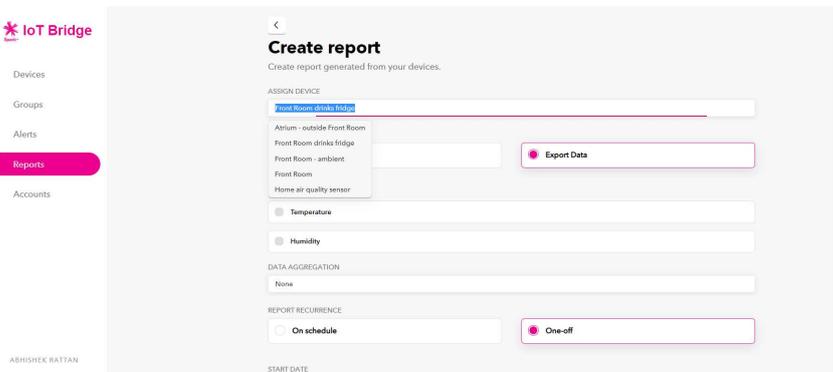
1.

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.

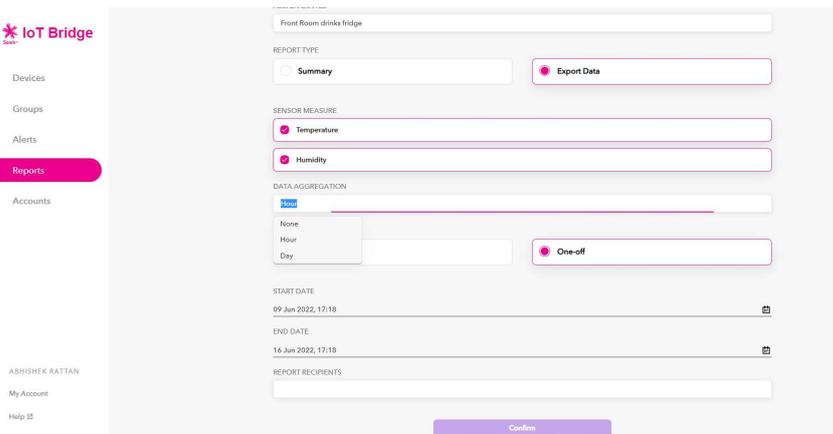


3.

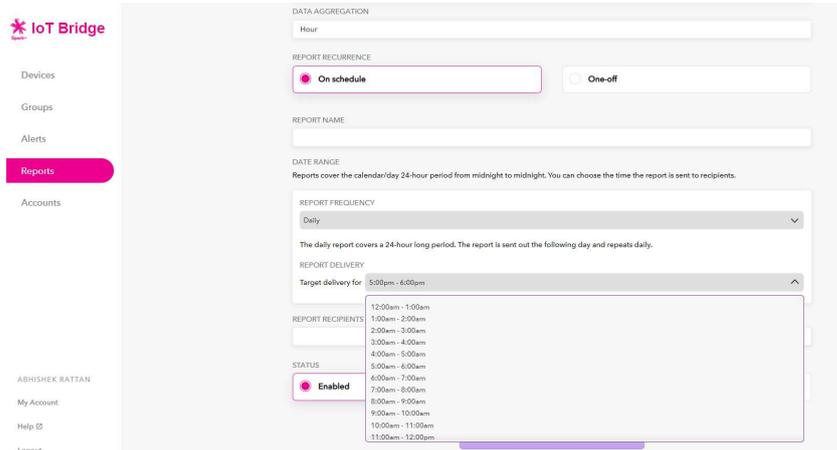
Choose the data type for the alert; and select if you want your data aggregated.

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

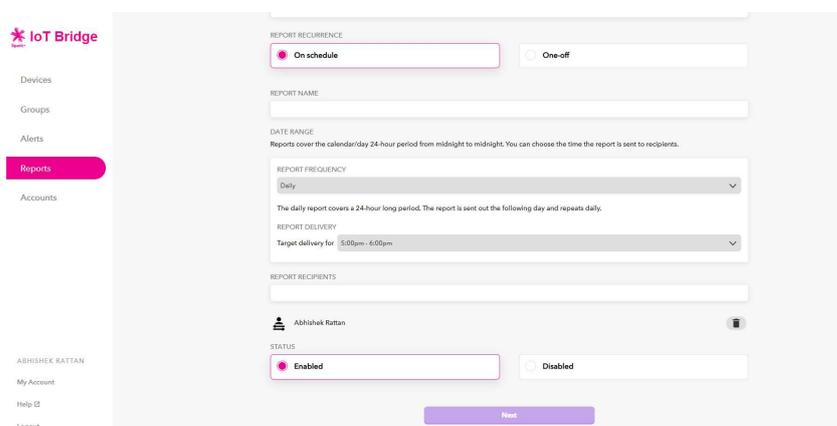
b. Use "Hour" or "Day" to show the Minimum, Maximum and Average values for each hour or day within the specified period.



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. Begin 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 as needed.



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

6. All done.

