Manuals+ — User Manuals Simplified.

Spark IoT Bridge Fridge Monitoring Starter Kit User Guide

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Spark IoT Bridge Fridge Monitoring Starter Kit

Fridge Monitoring Starter Kit
Quick Start-up Guide

VERSION 8.1

Product Information

Welcome

Welcome to Spark IoT Bridge. This Fridge Monitoring Starter Kit allows you to monitor and manage your fridge using IoT technology. It provides features such as user roles, account activation, user management, dashboard customization, and report creation.

User Roles Overview

There are four user roles available:

1. Account owner – Has full access to all IoT Bridge features, including user management.
2. Admin – Has access to user management, device configuration, alerts and reports management.
3. Contributor – Has access to device configuration, alerts and reports management.
4. Viewer – Can receive reports and alerts, and respond to alerts.

Product Usage Instructions

Activate and Login into your account

1. Check your email for an activation link from **admin@iot.spark.co.nz** . If not found in the Inbox, check the Spam/Junk folder.
2. Click on the activation link and create a new password when prompted. If you lost the activation email, go to **www.iotbridge.nz/app** and click on "Forgot your password?"
3. Review and accept the Spark Privacy Policy, then click Next to complete account activation.

Add Users

1. Login to IoT Bridge and click on Users in the left menu. Click Create User.

2. Select the Role (Admin, Contributor, Viewer, or Subscriber) and fill out the new user's details. 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 tablet.

1. Login to IoT Bridge and click Dashboard.

2. To add a widget, select +.

3. Select the desired widget and drag and drop it onto the dashboard.

4. For Measure widget, select a measure and up to 8 devices. Click Select Devices.

5. Select a Measure and devices, then click Confirm.

6. Repeat the above steps to add more widgets.

7. To change the Dashboard name, click First Dashboard, type the new name, and click the tick to confirm.

8. All Done.

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** .
   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.

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)

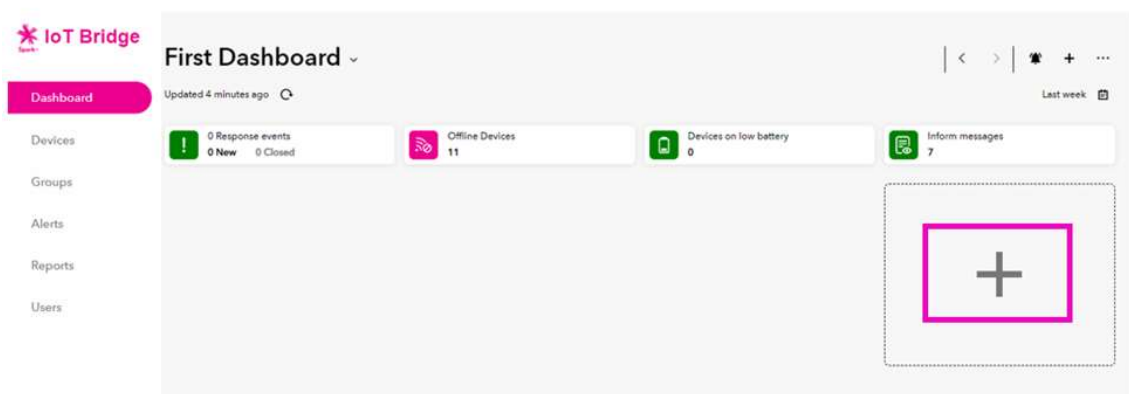

4. Click Back to Users.

Dashboard

The IoT Bridge Dashboard is best viewed on a desktop PC, laptop, or a tablet.
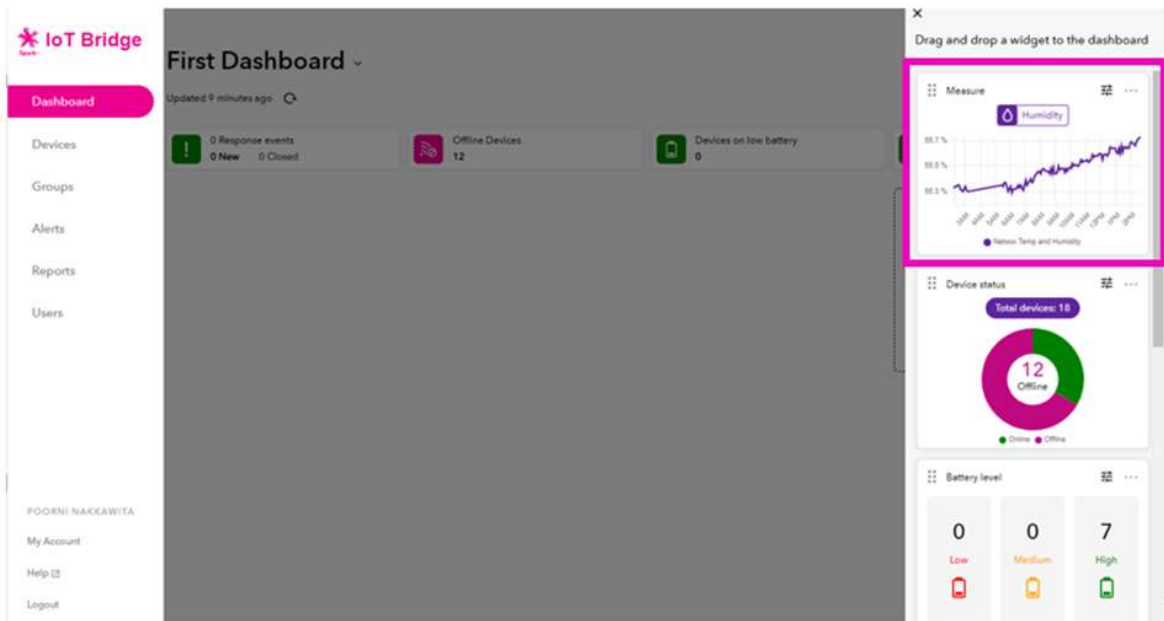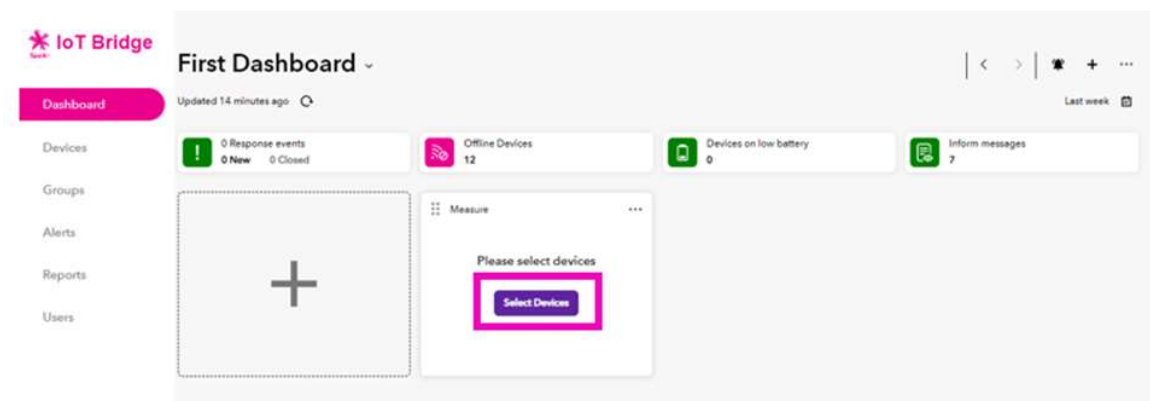
1. Log in to IoT Bridge and click Dashboard
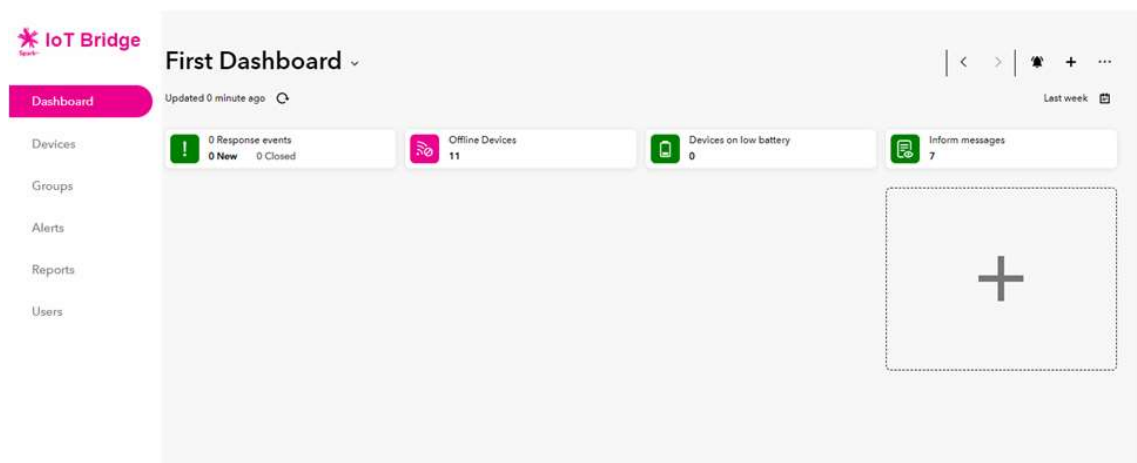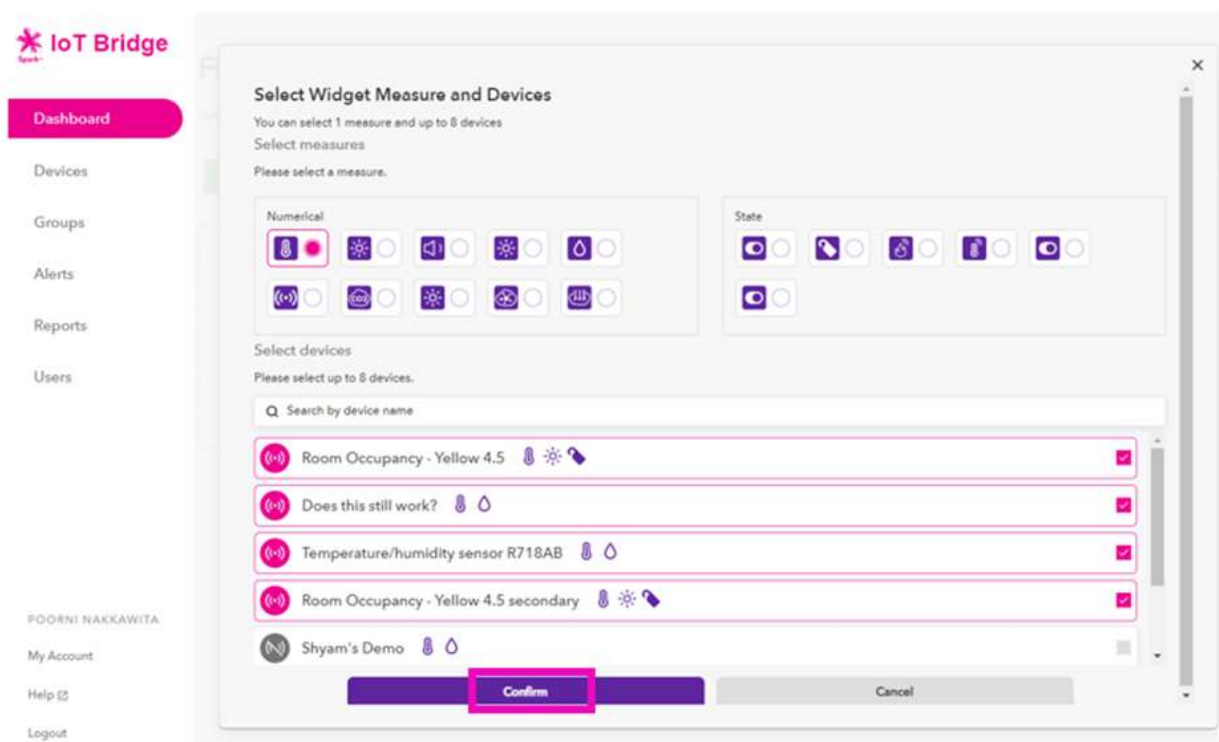

2. To display a widget on the dashboard, select "+"

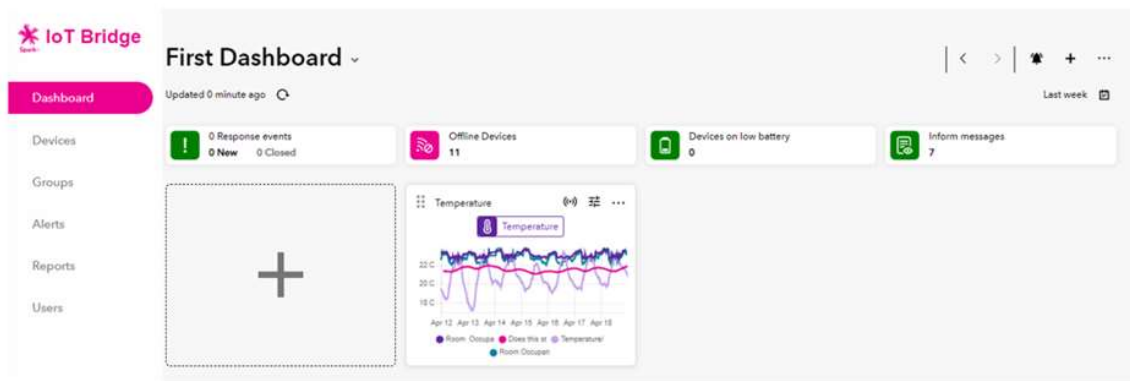3. Select the widget you want to add and drag and drop to the dashboard.

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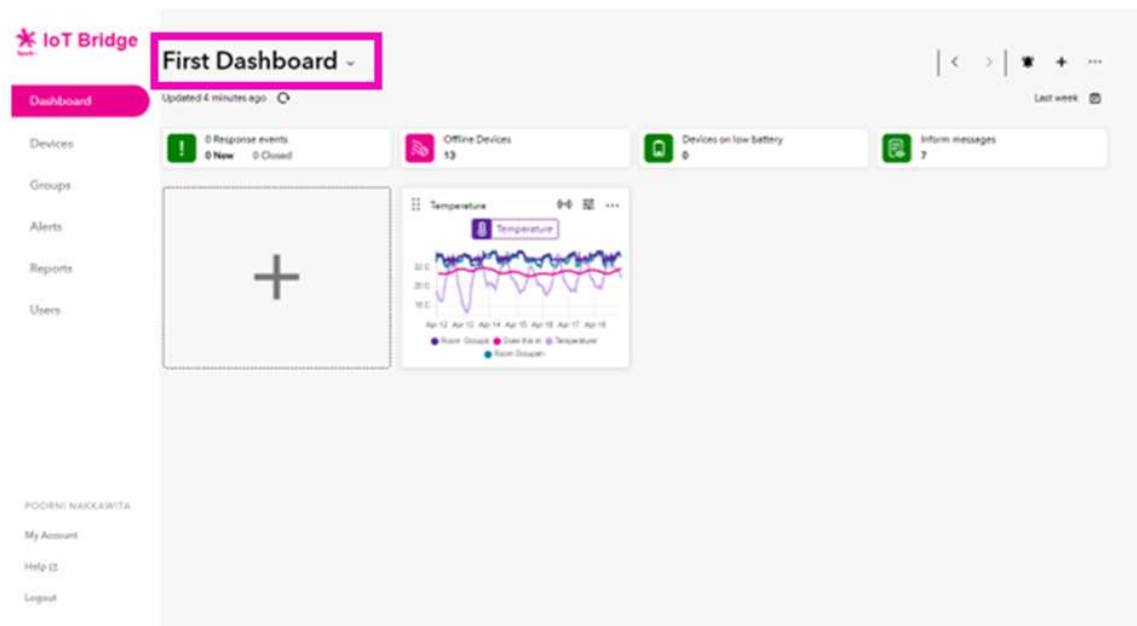

5. Select a "Measure" and select the devices. Click Confirm

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

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.

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 the + sign next to Rule 1
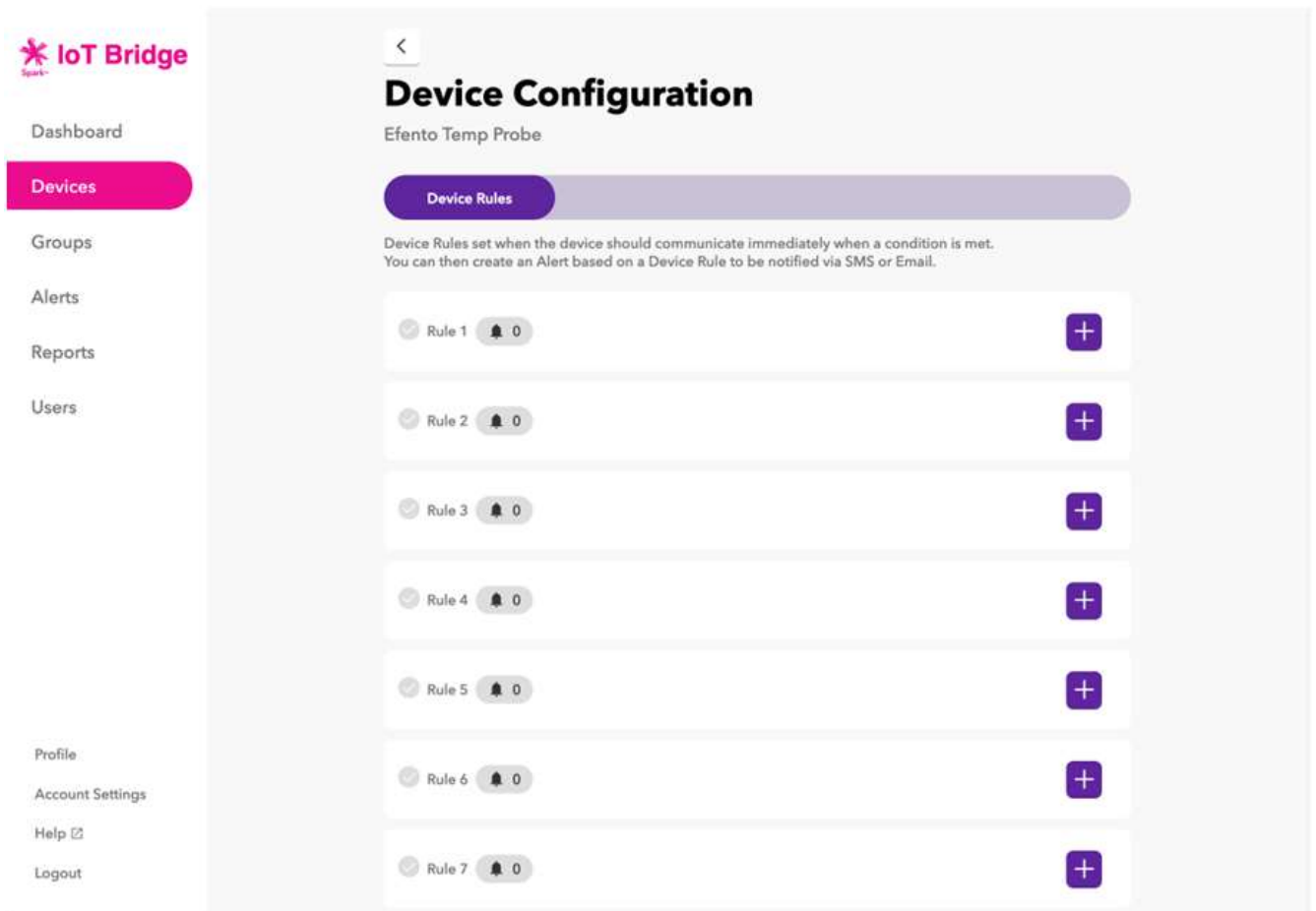
4. Select the measure you want to create the rule from the drop down.

5. Select the condition between "Is Above" and "Is Below"
    1. Is Above – if a measurement taken by the device is higher than the threshold value, the device will trigger an immediate transmission.
    2. 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.**
    1. **For last reading:** If the last reading the device takes meets the condition, trigger transmission.
    2. **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.
    3. 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.

Rule Updated

The Device Rule will be sent to the device when it next communicates.

Ensure to create an Alert for the Device Rule you have just created.

[Create new Alert]   [Configure more Device Rules]

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.
    1. Use "None" to display all data points that have been collected during the specified period
    2. 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 reportdetails 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 are needed. Review the report details and click Confirm.

6. All done.

SPARK IoT Bridge Starter Kit QSG
IoTsupport@spark.co.nz or 0800 436 4847
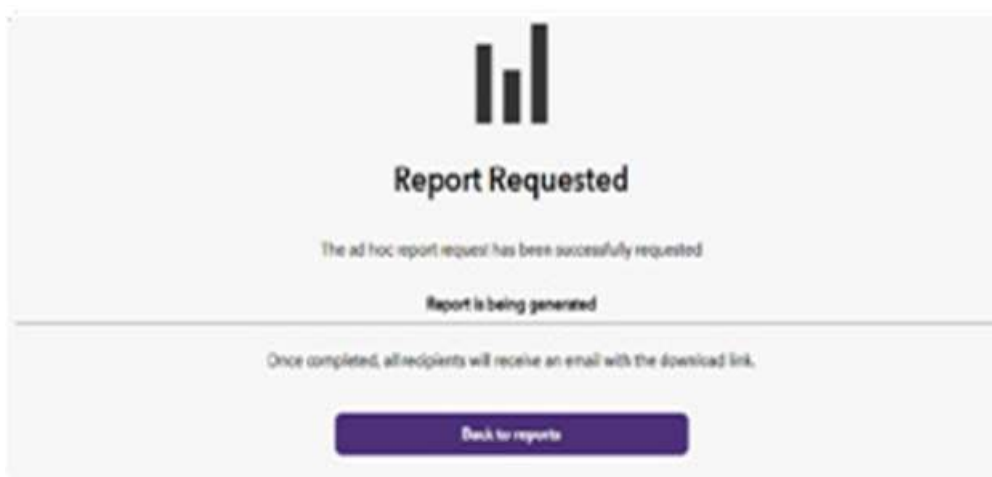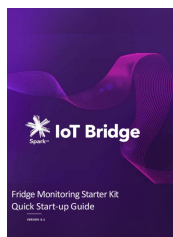
Documents / Resources

Spark IoT Bridge Fridge Monitoring Starter Kit [pdf] User Guide
IoT Bridge Fridge Monitoring Starter Kit, Fridge Monitoring Starter Kit, Monitoring Starter Kit, Starter Kit

References

- ✳ **Broadband Internet and Mobile Phone Services | Spark NZ**
- ✳ **iotbridge.nz/app**