

# Telit App Center





---

# Contents

---

<b>Revision History</b> .....	<b>4</b>
<b>App Center</b> .....	<b>5</b>
Logging into the App Center .....	7
Adding an App to the App Center .....	8
Removing an App from the App Center .....	10
<b>FOTA</b> .....	<b>12</b>
Creating FOTA Campaign .....	13
Selecting Model .....	13
Selecting Devices .....	14
Selecting Firmware .....	16
Scheduling Campaign .....	17
Campaigns .....	19
Starting FOTA Campaigns .....	20
Pausing/Resuming FOTA Campaign .....	22
Related topics .....	23
Exporting Campaigns list to a CSV file .....	24
Deleting FOTA Campaign .....	25
Related topics .....	25

---

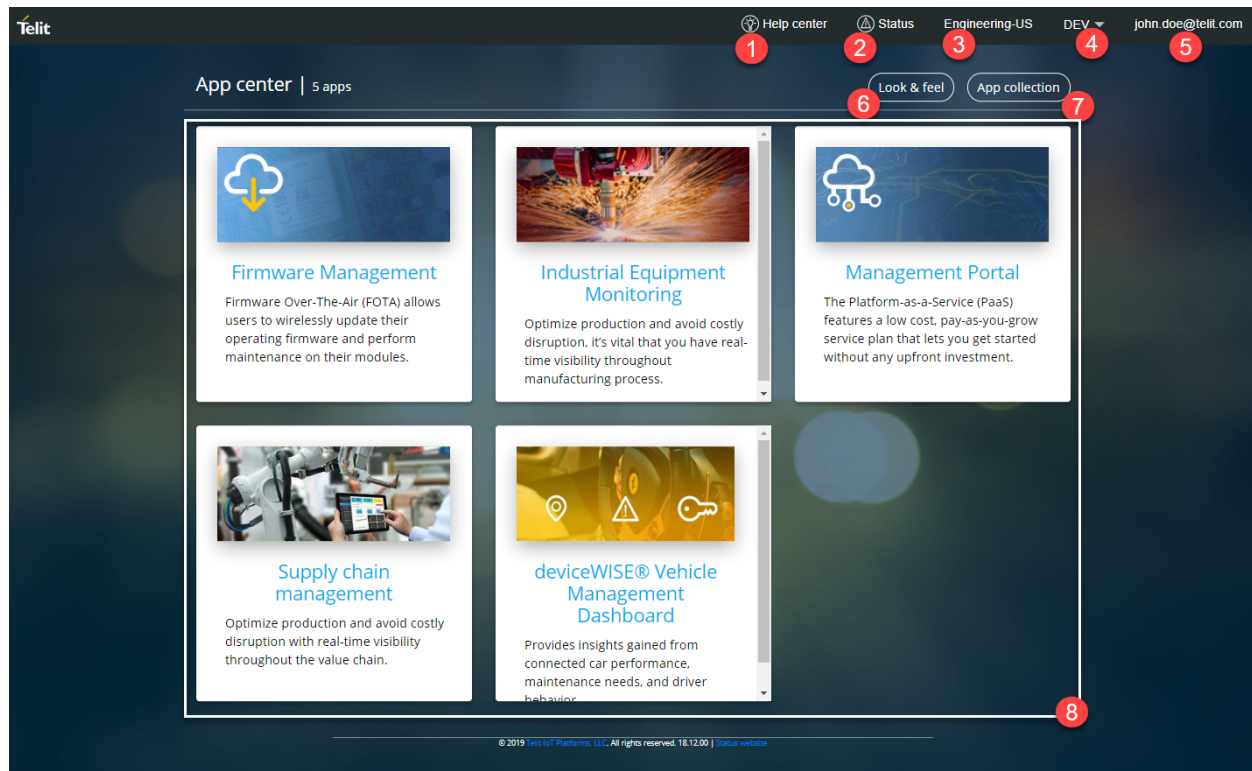
# Revision History

Revision	Description
1.0	First revision

---

# App Center

Telit's App Center brings together multiple apps used while developing your IoT solution. Each App within the app center provides a particular service. One of the popular app is FOTA (Firmware Over-the-Air). For more information on using the FOTA app, see ["FOTA" on page 12](#). This section introduces you to various components you see in the home screen of the App Center.

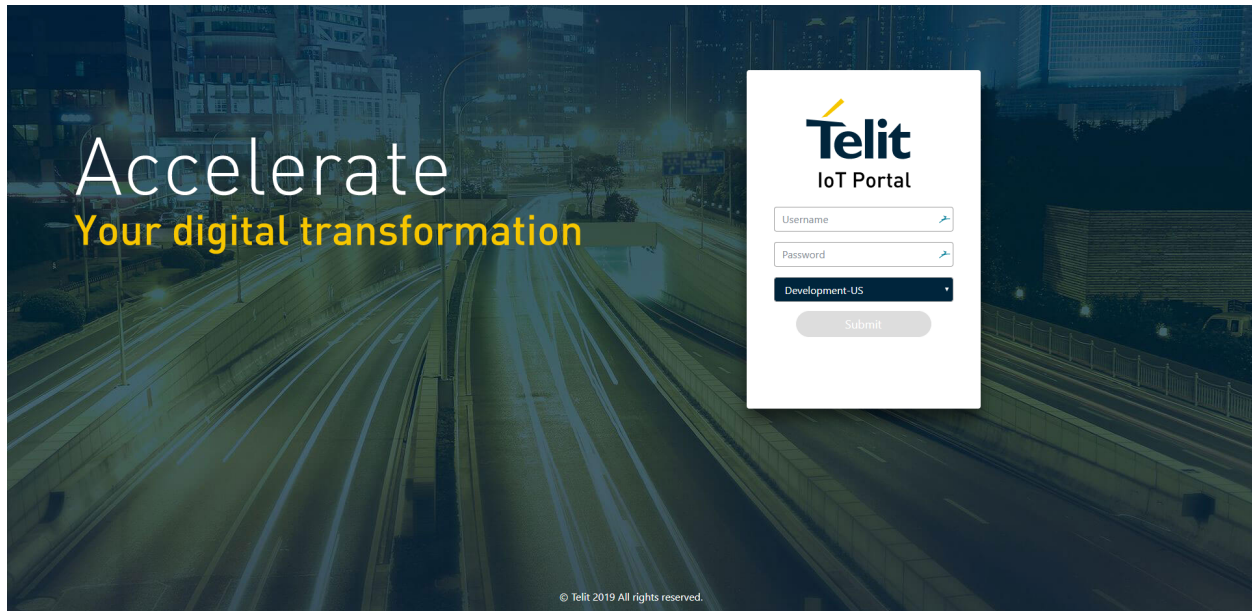


	Feature	Description
1	Help Center	Link to access the help documentation.
2	Status	The current status of different servers. Click to access the server status.
3	Instance	The current instance to which you are logged in.
4	Organization	The organization you belong too. If you have access to more than one organization then you will be able to click on the organization to change to a different organization.
5	Username	Your user name.
6	Look & feel	Look & feel settings of the App Center

	Feature	Description
7	App Collection	List of Apps that are included in your profile. It is possible to add or remove apps from the App Collection. For more information on adding or removing apps from the App Center see, <a href="#">"Adding an App to the App Center" on page 8</a> and <a href="#">"Removing an App from the App Center" on page 10</a> .
8	Apps Dashboard	The Dashboard shows all the apps available to use in your organization

# Logging into the App Center

The App Center allows you access the Apps that are enabled to use in your profile. To start using the App Center, open your web browser and go the HTTPS address provided.



To login to the App Center:

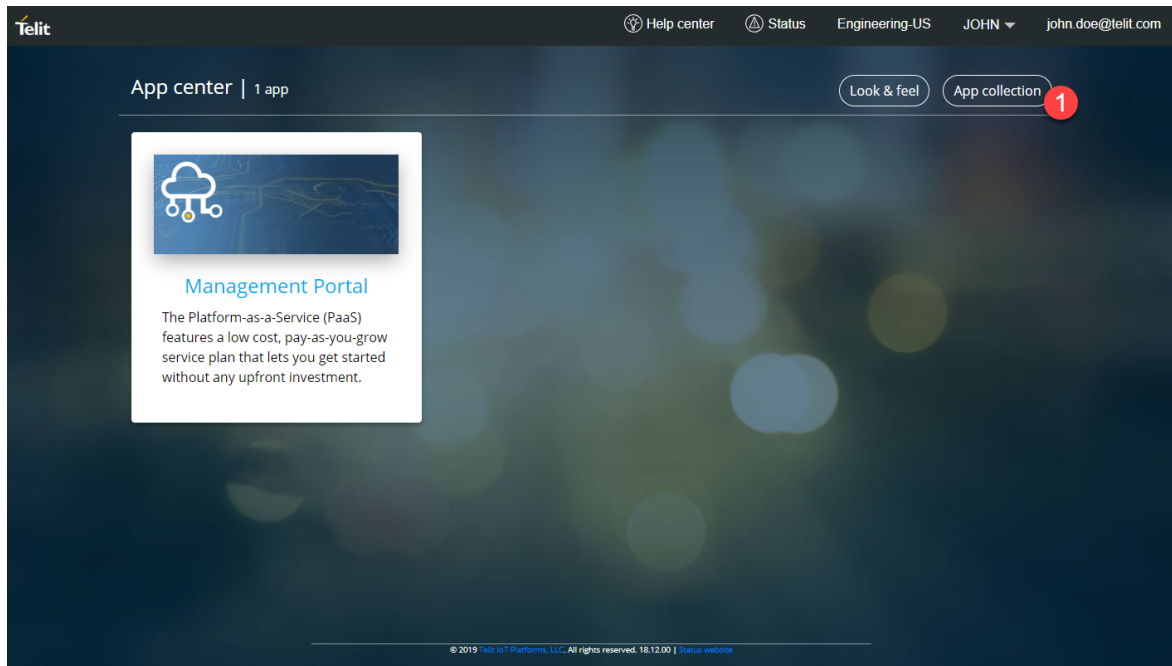
1. Enter your *Username* and *Password*
2. Choose your environment
3. Click the **Submit** button.

Each account is created with an **Email Address** as the *Username*. The password is set when you first login to the App Center.

# Adding an App to the App Center

Applications enabled in your profile appears in the App Collection. This section will provide you with the details to add an App from the App Collection. To add an app to the App Center, do the following:

1. After logging into the App Center, click on App Collection

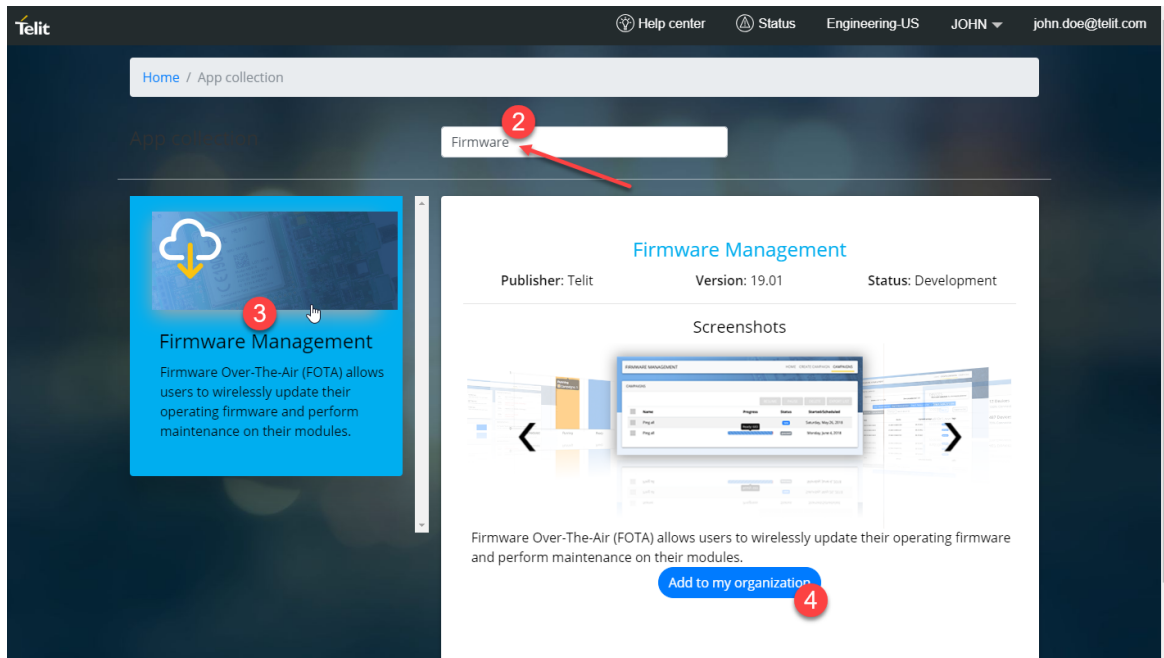


The **App Collection** screen appears

2. In the Search box, enter the name of the App you want to add  
The Apps related to the name you entered in search appears.



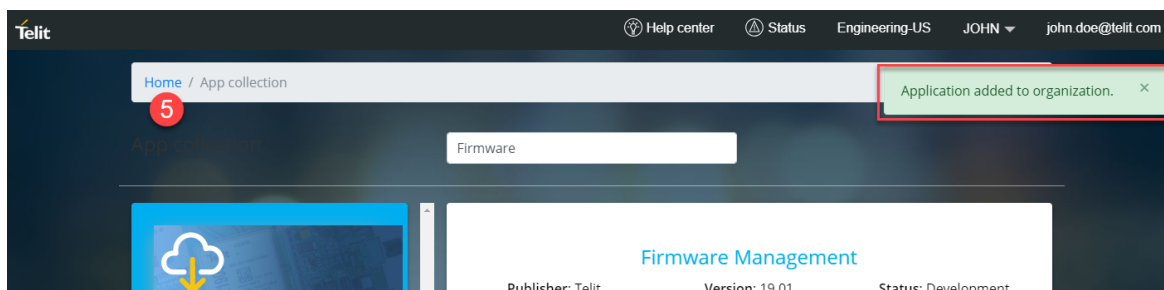
### 3. Click on the App, you want to add to the App Center



A preview of the selected app gets displayed on the right side of the screen

### 4. Click **Add to my organization**

A message confirming that the application is added to the organization appears.

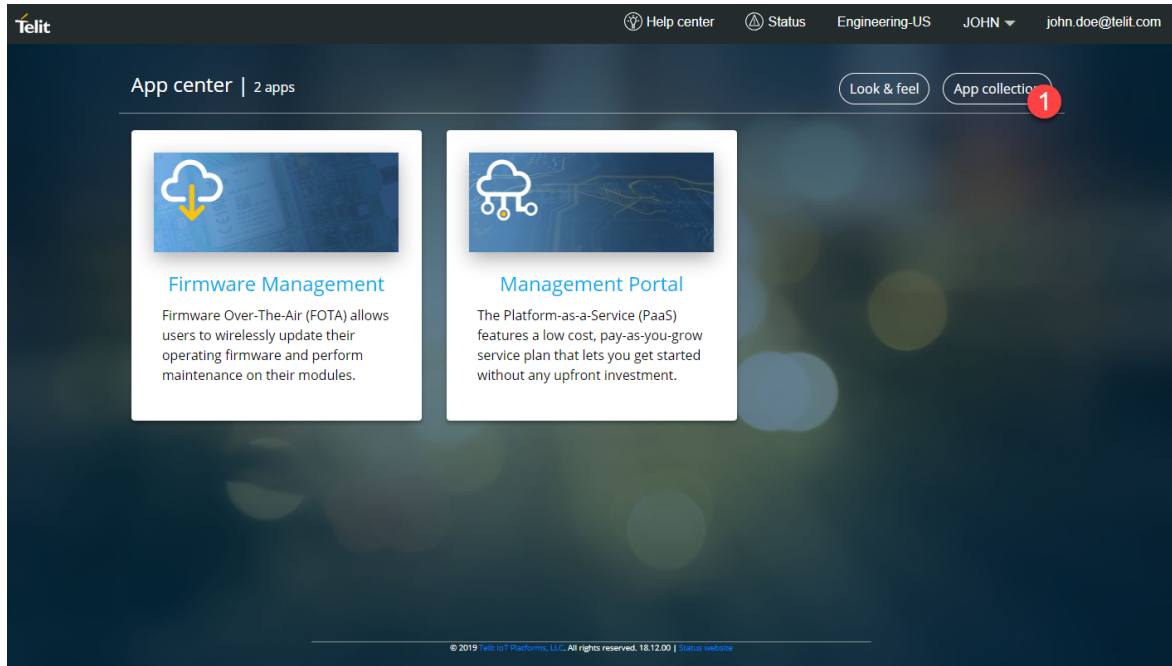


### 5. Click **Home** to navigate to home and you will find the new app added to your Home screen.

# Removing an App from the App Center

To remove an app to the App Center, do the following:

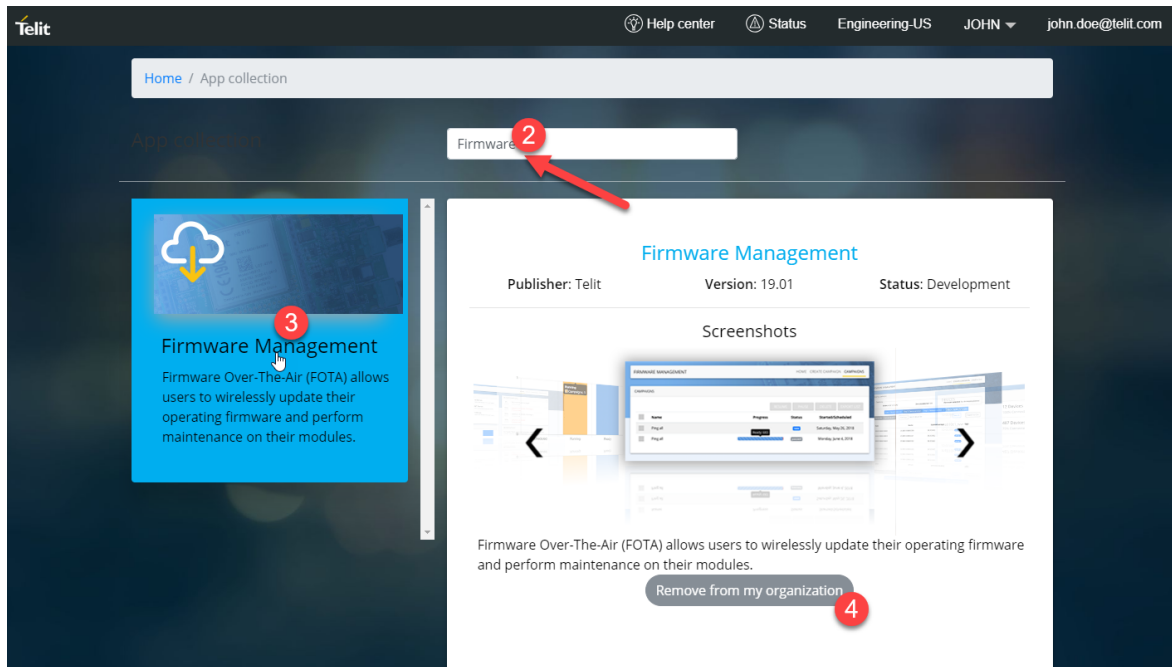
1. After logging into the App Center, click on App Collection



The **App Collection** screen appears

2. In the Search box, enter the name of the App you want to delete  
The Apps related to the name you entered in search appears.

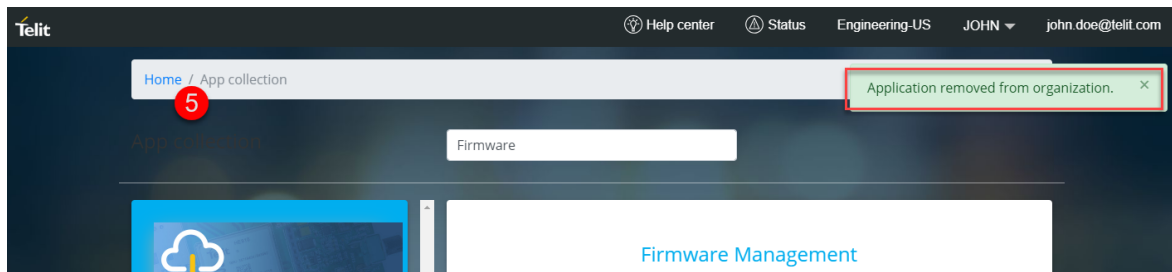
### 3. Click on the App, you want to remove from the App Center



A preview of the selected app gets displayed on the right side of the screen

### 4. Click **Remove from my organization**

A message confirming that the application is removed from the organization appears.



### 5. Click **Home** to navigate to home and you will find the app is removed from your organization.

# FOTA

OMA Lightweight M2M (LWM2M) provides a firmware object interface for directing devices to download and apply firmware updates through FOTA (Firmware Over the Air). The Telit's FOTA dashboard provides ability for updating device firmware on multiple devices. FOTA is an app within the App Center.

The screenshot displays the FOTA dashboard interface. At the top, there is a navigation bar with 'HOME', 'CREATE CAMPAIGN', and 'CAMPAIGNS'. The main content is divided into four sections:

- DEVICES (1):** A table showing device counts for various firmware versions under the model 'ME910C1-SIM (500 devices)'.
 

Firmware Version	Count	Percentage
30.00.002	396	100%
30.00.003	101	100%
30.00.006	2	100%
30.00.004	1	100%
- RECENT CAMPAIGNS (2):** A list of recent campaigns. The first campaign is 'Update to 30.00.003' with a status of 'Complete' and '498 devices failed'. The second campaign is 'Update to 30.00.006' with a status of 'Complete' and '0 devices failed'.
- CAMPAIGN OVERVIEW (3):** A bar chart showing the status of campaigns. The x-axis categories are 'Scheduled', 'Running', 'Ready', and 'Paused'. The y-axis represents the count, with a bar for 'Ready' reaching the value of 2.
- RECENT ACTIVITY (4):** A log of recent activities, including:
  - Campaign 'Update to 30.00.003' completed with failures. SYSTEM | Wednesday, June 13, 2018 2:44 PM
  - Campaign 'test' created. nicholas.persad@telit.com | Wednesday, June 13, 2018 11:05 AM
  - Campaign 'Update to 30.00.003 - Copied on 2018-06-13T14:24:32Z' updated. jim.wert@telit.com | Wednesday, June 13, 2018 10:24 AM
  - Campaign 'Update to 30.00.003 - Copied on 2018-06-13T14:24:32Z' cloned.

	Description
1	The DEVICES under each model with the version are displayed
2	The RECENT CAMPAIGNS lists the recent campaigns If there are no recent campaigns then you see a link to <b>Create campaign</b>
3	The CAMPAIGN OVERVIEW displays the status of the campaigns
4	The RECENT ACTIVITY displays all the recent activities in the FOTA

# Creating FOTA Campaign

A FOTA Campaign is created to change firmware for a set of devices that belong to a particular device model. To create a FOTA campaign you need to follow the steps below:

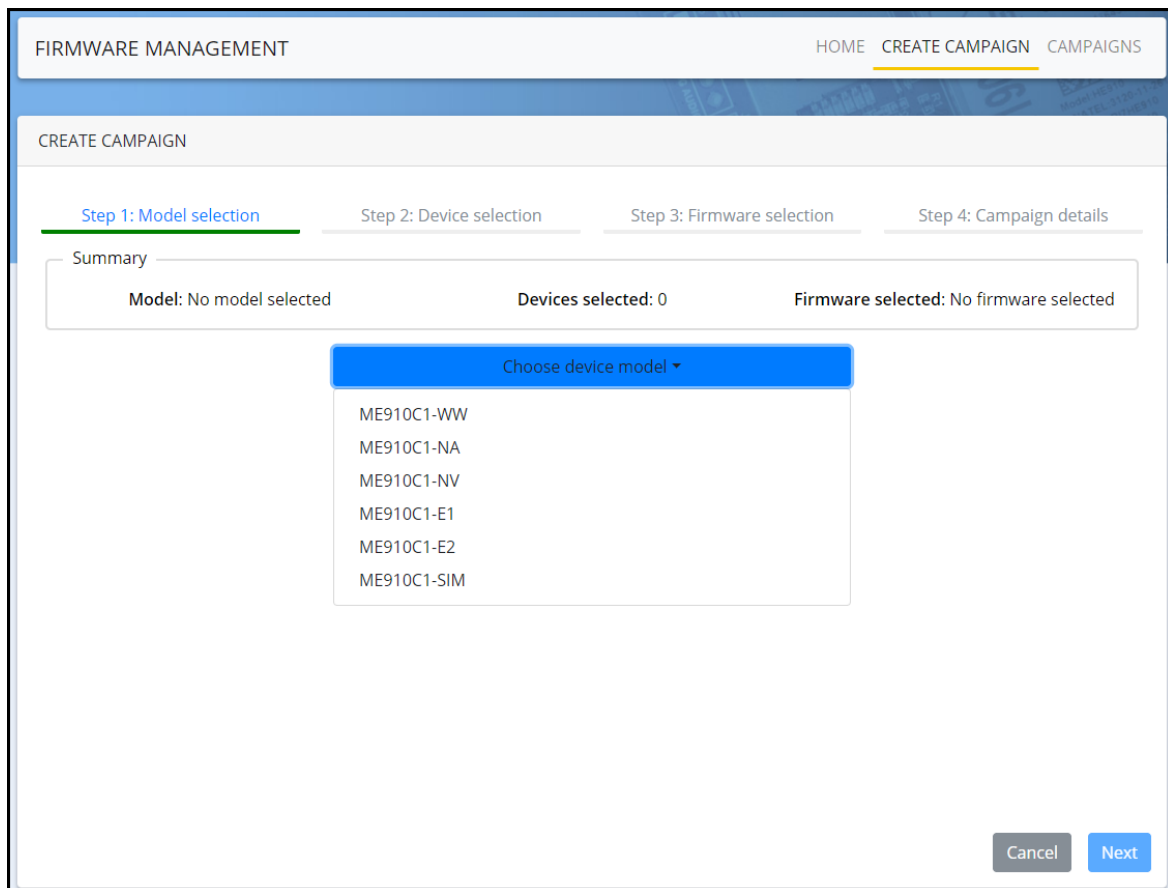
1. On the FOTA app, Click **CREATE CAMPAIGN**
2. Click the **Model selection** tab to select a model. For more information on Choosing a device model, see ["Selecting Model" below](#)
3. Click **Next**  
You will be in **Step 2: Device selection**
4. Select the devices that will be included in the firmware update. For more information on selecting devices, see ["Selecting Devices" on the next page](#)
5. Click **Next**  
You will be in **Step 3: Firmware selection**
6. Select the Firmware version to which your devices will be moved to.
7. Click **Next**  
You will be in **Step 4: Campaign selection**
8. Schedule the Campaign to start immediately or on a later date. For more information scheduling a campaign, see

## Selecting Model

In Telit's FOTA all the devices that need a firmware change are categorized under individual model names. The model name or thing definition is selected first to select the devices that belongs to that model. To select the model, do the following:

1. On the FOTA app, Click **CREATE CAMPAIGN**
2. click **Model selection**

3. In the model selection screen, click **Choose device model**



4. Select a model. The model selected will list the devices it contains when you go to "[Selecting Devices](#)" below
5. Once the model is selected, click Next to proceed to "[Selecting Devices](#)" below

## Selecting Devices

After "[Selecting Model](#)" on the previous page it is possible to select the devices that will be included in the firmware change. To select the devices, do the following:

1. Click **Step 2: Device selection**
2. Click one of the buttons to select your devices:
  - a. Click **Device list**  
The devices available gets listed.

- i. To filter the devices, click Filter by
- ii. To filter by running firmware version, select the current firmware version
- iii. To filter by Tags, select **Tags** and enter the name of a tag
- iv. Click **Search**

The filtered devices gets listed.

FIRMWARE MANAGEMENT HOME CREATE CAMPAIGN CAMPAIGNS

CREATE CAMPAIGN

Step 1: Model selection Step 2: Device selection Step 3: Firmware selection Step 4: Campaign details

Summary

Model: ME910C1-SIM Devices selected: 500 Firmware selected: No firmware selected

Choose One: Device list OR Upload devices

Filter by Filter device list Search Export to CSV

Device selection preview

IMEI	Name	Current version	Tags
353081000000000	353081000000000	30.00.004	
353081000000001	353081000000001	30.00.003	
353081000000002	353081000000002	30.00.003	
353081000000003	353081000000003	30.00.003	
353081000000004	353081000000004	30.00.003	

Cancel Back Next

b. Click **Upload devices**

- i. Click **Browse**
  - ii. Select a CSV file to be uploaded and click Open
3. Once the devices are selected, click Next to proceed to "Selecting Firmware" on the next page

## Selecting Firmware

After "Selecting Model" on page 13 and "Selecting Devices" on page 14 it is possible to select the firmware that will be included in this FOTA. To select a firmware, do the following:

1. Click Step 3: Firmware selection
2. To choose a firmware, Click Target firmware version

FIRMWARE MANAGEMENT HOME CREATE CAMPAIGN CAMPAIGNS

CREATE CAMPAIGN

Step 1: Model selection Step 2: Device selection Step 3: Firmware selection Step 4: Campaign details

Summary

Model: ME910C1-SIM Devices selected: 500 Firmware selected: No firmware selected

Target firmware version ▾

- 30.00.001
- 30.00.002
- 30.00.003
- 30.00.003
- 30.00.003-POB.000101
- 30.00.004
- 30.00.004

Cancel Back Next

3. Select a target firmware.
4. Once the firmware is selected, click Next to proceed to "Scheduling Campaign" on the next page



## Scheduling Campaign

After "Selecting Model" on page 13, "Selecting Devices" on page 14 and "Selecting Firmware" on the previous page it is possible to schedule or start the campaign to change the firmware in the devices selected. To schedule / start a Campaign:

1. In the FOTA app, click **Step 4: Firmware selection**
2. Enter the name of the campaign
3. Enter a description of the campaign (optional)

4. To start the campaign immediately after you finish creating the campaign, Click **Start now**
5. To schedule the campaign, click **Schedule for later**
  - a. Click on the date selector to select a date
  - b. Click on the time selector to select a time

6. The **Start later** option allows you to complete creating the campaign without scheduling/starting the campaign. If selected, then the campaign will be created but not started or scheduled
7. (optional)Click the **Server initiated campaign** drop-down and select a SMS mode to wakeup the device, if the device is in idle/sleep state. The wakeup is sent at the scheduled time to wakeup and start the upgrade.
  - a. **LWM2M 1.0 Binary** - Sends a binary coded SMS.
  - b. **Telit complex** - Sends a secure encrypted SMS.
8. Click the check box to agree to terms and conditions
9. Click **Create campaign**

# Campaigns

The Campaigns view provides overall progress of all campaigns in your organization, along with the current status and the date when each campaign is Scheduled or Started.

FIRMWARE MANAGEMENT				HOME	CREATE CAMPAIGN	CAMPAIGNS
CAMPAIGNS						
<span>START</span> <span>PAUSE</span> <span>RESUME</span> <span>DELETE</span> <span>EXPORT LIST</span>						
Name	Progress	Status	Started/Scheduled			
FOTA101		<span>new</span>	Dec 10, 2018			
Thing Status		<span>new</span>				
Get Location		<span>new</span>				
PropertyCurrentTest		<span>new</span>	Jun 29, 2018			
CayenneLPP - test3	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>	<span>paused</span>	Oct 17, 2018			
CayenneLPP - test2	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>	<span>completed</span>	Jun 14, 2018			
CayenneLPP - Copied on 2018-06-14T07:37:43Z	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>	<span>completed</span>	Jun 14, 2018			
CayenneLPP	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>	<span>completed</span>	Jun 14, 2018			
Campaign Tagging - 2	<div style="width: 100%; height: 10px; background-color: #76b82a; position: relative;"><div style="position: absolute; right: 0; top: 0; bottom: 0; width: 10px; background-color: #e74c3c;"></div></div>	<span>completed</span>	Apr 16, 2018			
Result Object	<div style="width: 100%; height: 10px; background-color: #3498db;"></div>	<span>cancelled</span>	May 11, 2018			

You will be able to perform the following actions in the Campaign screen:

- ["Pausing/Resuming FOTA Campaign" on page 22](#)
- ["Deleting FOTA Campaign" on page 25](#)
- ["Exporting Campaigns list to a CSV file" on page 24](#)

## Starting FOTA Campaigns

You will be able to start a single or a group of Campaigns from the "Campaigns" on the previous page screen. Do the following to start a single or group of campaigns:

1. On the FOTA app, Click **CAMPAIGNS**
2. Select the campaign(s) in the **new** state

The Campaign need to have at least one member to start

3. Click **START**

The screenshot displays the 'CAMPAIGNS' management interface. At the top, there are navigation tabs: 'HOME', 'CREATE CAMPAIGN', and 'CAMPAIGNS' (the active tab, marked with a red circle '1'). Below the tabs, there are action buttons: 'START' (marked with a red circle '3'), 'PAUSE', 'RESUME', 'DELETE', and 'EXPORT LIST'. The main area contains a table of campaigns with the following columns: Name, Progress, Status, and Started/Scheduled.

Name	Progress	Status	Started/Scheduled
<input checked="" type="checkbox"/> FOTA101		new	Dec 10, 2018
<input type="checkbox"/> Thing Status		new	
<input type="checkbox"/> Get Location		new	
<input checked="" type="checkbox"/> PropertyCurrentTest		new	Jun 29, 2018
<input type="checkbox"/> CayenneLPP - test3	<div style="width: 100%; height: 10px; background-color: green;"></div>	paused	Oct 17, 2018
<input type="checkbox"/> CayenneLPP - test2	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
<input type="checkbox"/> CayenneLPP - Copied on 2018-06-14T07:37:43Z	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
<input type="checkbox"/> CayenneLPP	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
<input type="checkbox"/> Campaign Tagging - 2	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Apr 16, 2018
<input type="checkbox"/> Result Object	<div style="width: 100%; height: 10px; background-color: blue;"></div>	cancelled	May 11, 2018

It is also possible to start a Campaign within an individual Campaign. To start a campaign from within an individual Campaign, do the following:

- a. Open the Campaign that you want to start

FIRMWARE MANAGEMENT HOME CREATE CAMPAIGN **CAMPAIGNS**

CAMPAIGNS

START PAUSE RESUME DELETE EXPORT LIST

Name	Progress	Status	Started/Scheduled
FOTA101		new	Dec 10, 2018
Thing Status		new	
Get Location		new	

- b. Click **START**

FIRMWARE MANAGEMENT HOME CREATE CAMPAIGN **CAMPAIGNS**

Campaigns / FOTA101

FOTA101 **NEW**

FOTA101

START RESUME PAUSE DELETE

admin@telit.com Created by	Jun 25, 2018, 1:05:12 PM Created on	Target firmware
admin@telit.com Updated by	Jun 28, 2018, 11:52:04 AM Updated on	2 Max in progress

Ready: 21 In progress: 0 Success: 0 Failure: 0

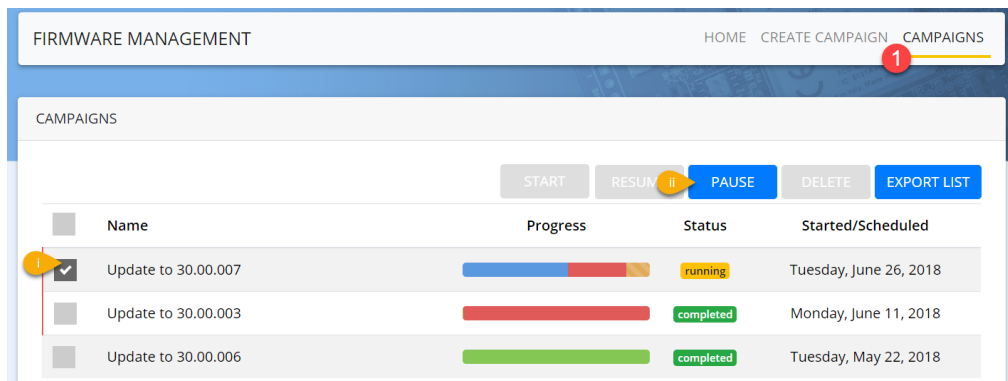
DEVICES 21

IMEI	Status	Error	Timestamp
89011704258000393847	ready		June 28, 2018
north_site	ready		June 28, 2018

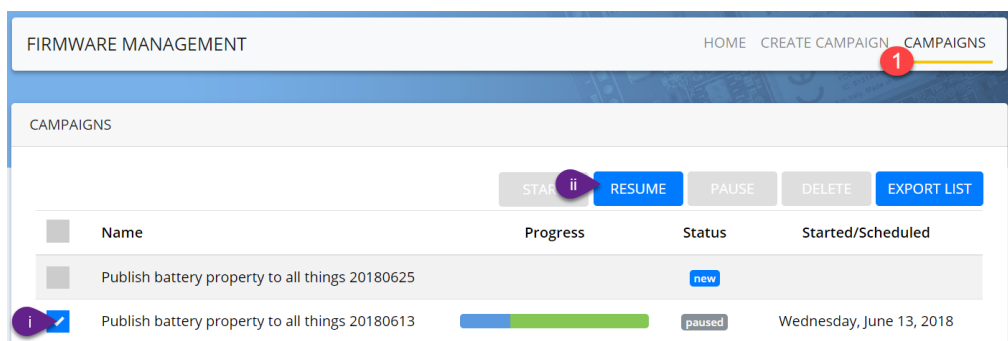
## Pausing/Resuming FOTA Campaign

To pause or resume a Campaign that is already started, do the following:

1. On the FOTA app, Click **CAMPAIGNS**
2. Do one of the following:
  - a. To pause a campaign,
    - i. Select the campaign(s) that is already started (in **running** state)
    - ii. click **PAUSE**



- a. To resume a campaign,
  - i. Select the campaign(s) that is paused (in **paused** state)
  - ii. Click **RESUME**



It is only possible to delete Campaigns in **new** or **completed** state. It is not possible to delete campaigns in running or paused state.

## Related topics

- ["Creating FOTA Campaign" on page 13](#)
- ["Deleting FOTA Campaign" on page 25](#)

## Exporting Campaigns list to a CSV file

To export the list of Campaigns to a CSV file, do the following:

1. On the FOTA app, Click **CAMPAIGNS**

The screenshot shows the 'CAMPAIGNS' page in the FOTA app. The page title is 'FIRMWARE MANAGEMENT' and the breadcrumb is 'HOME > CREATE CAMPAIGN > CAMPAIGNS'. The 'CAMPAIGNS' section has a 'Select ALL' checkbox and buttons for 'START', 'RESUME', 'PAUSE', 'DELETE', and 'EXPORT LIST'. The 'EXPORT LIST' button is highlighted with a red circle and the number '3'. The table below lists various campaigns with columns for Name, Progress, Status, and Started/Scheduled. The 'CayenneLPP - test3' campaign is selected with a blue checkmark, and this selection is highlighted with a red circle and the number '2'. A red arrow points from the 'Select ALL' checkbox to the 'CayenneLPP - test3' checkbox.

Name	Progress	Status	Started/Scheduled
FOTA101		new	Dec 10, 2018
Thing Status		new	
Get Location		new	
PropertyCurrentTest		new	Jun 29, 2018
CayenneLPP - test3	<div style="width: 100%; height: 10px; background-color: green;"></div>	paused	Oct 17, 2018
CayenneLPP - test2	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
CayenneLPP - Copied on 2018-06-14T07:37:43Z	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
CayenneLPP	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Jun 14, 2018
Campaign Tagging - 2	<div style="width: 100%; height: 10px; background-color: green;"></div>	completed	Apr 16, 2018
Result Object	<div style="width: 100%; height: 10px; background-color: blue;"></div>	cancelled	May 11, 2018

2. Select the campaigns you want to Export. It is possible to select all Campaigns
3. Click **EXPORT LIST**

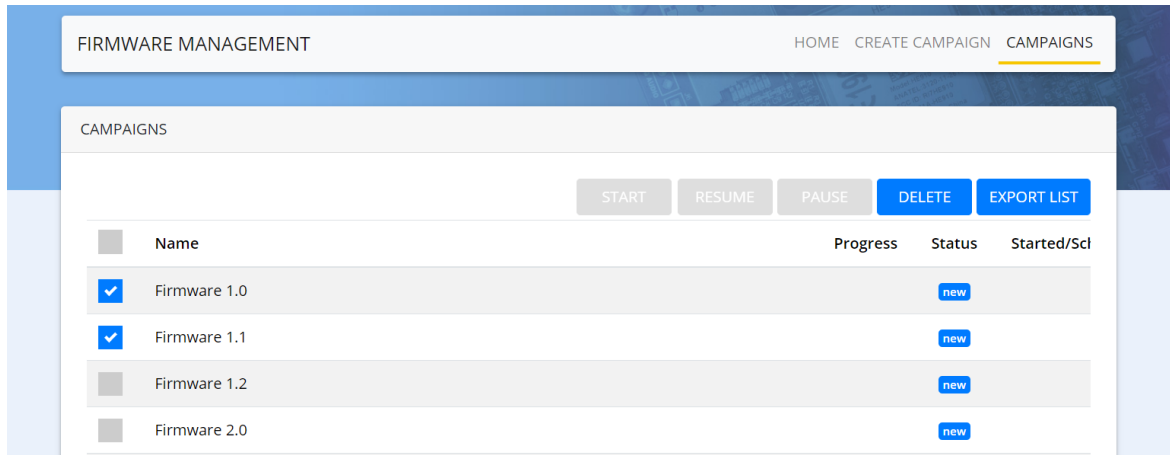
The campaign list is saved as a csv file



## Deleting FOTA Campaign

To delete a Campaign, do the following:

1. On the FOTA app, Click **CAMPAIGNS**
2. Select the campaigns you want to delete



3. Click the **DELETE** button to delete the selected campaigns

It is only possible to delete Campaigns in **new** or **completed** state. It is not possible to delete campaigns in running or paused state.

### Related topics

- ["Creating FOTA Campaign" on page 13](#)
- ["FOTA" on page 12](#)

