

# Ayla OEM Dashboard User Manual

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**Revision History**

Revision	Date	Author	Change Description
1	2015/10/28	LBoling	Initial Document
2	2016/01/21	D.Fulton	Minor fixes

## Introduction

This document provides information on how to use the Ayla OEM Dashboard. The OEM Dashboard allows you to manage your deployment of Ayla Connected products.

**NOTE:** The Ayla OEM Dashboard is in process of being updated. The functionality will remain the same but the interface will be different.

## Audience

This document is written for all users of the Ayla OEM Dashboard. However, not all users have access to all views. You may find that you do not have access to some of the views described in this document. Access is determined by your company's policies. See page 9 for more information about roles and access.

## Customer Support

Support and customer documentation is located at <http://support.aylanetworks.com>

## Related Documentation

The following documents are referenced in this document; each document has a document name and a number in parenthesis. You can locate these documents at the Ayla support website using either the document name or number. If you do not find a document in your support site documents, contact your Customer Technical Lead or other Ayla support personnel.

*Customizing Notification Messages (AY006USE0)*

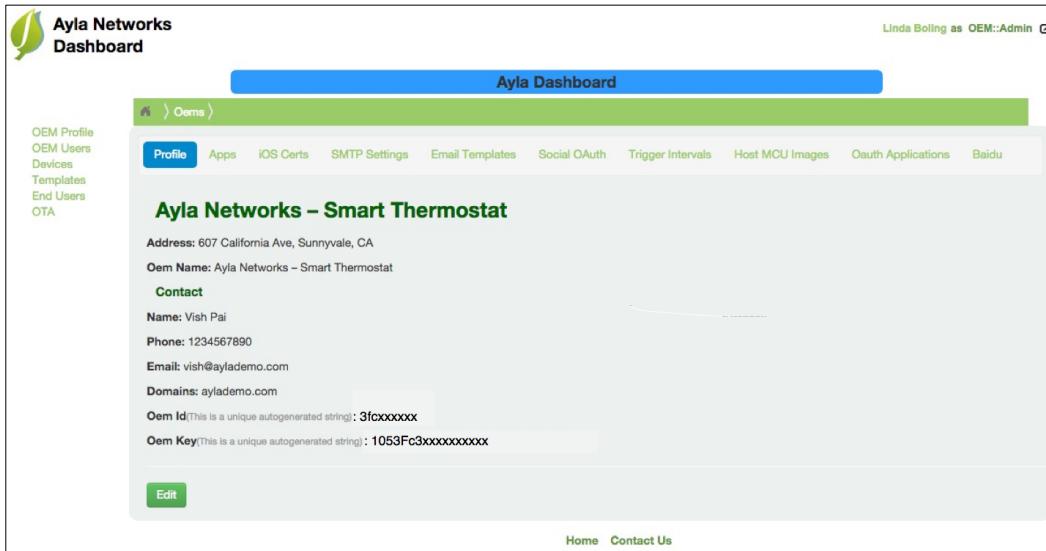
*OEM Roles and Privileges (AY006URO)*

*Cloud Templates User Guide (AY006UTE0)*

*Host OTA Instructions App Note (AY006USE4)*

## Overview of the Ayla OEM Dashboard

The Ayla Networks Dashboard is provided to all OEM's. It provides a place to view users, devices, templates, and other information for review and updating. The Ayla Networks Dashboard is also called the OEM Dashboard.

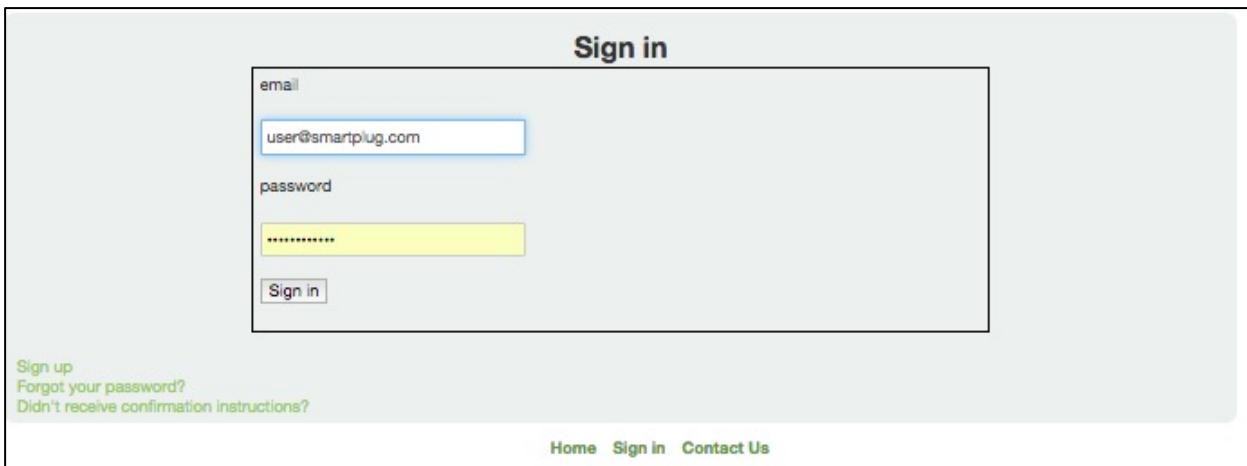


The screenshot shows the Ayla OEM Dashboard with the following details:

- Header:** Ayla Networks Dashboard, Linda Boling as OEM::Admin
- Left Sidebar:** OEM Profile, OEM Users, Devices, Templates, End Users, OTA
- Top Bar:** Ayla Dashboard, Profile (selected), Apps, iOS Certs, SMTP Settings, Email Templates, Social OAuth, Trigger Intervals, Host MCU Images, OAuth Applications, Baidu
- Section:** Ayla Networks – Smart Thermostat
  - Address: 607 California Ave, Sunnyvale, CA
  - Oem Name: Ayla Networks – Smart Thermostat
  - Contact
    - Name: Vish Pai
    - Phone: 1234567890
    - Email: vish@aylademo.com
    - Domains: aylademo.com
  - Oem Id: 3fcxxxxxx
  - Oem Key: 1053Fc3xxxxxxxxx
- Bottom:** Edit button, Home, Contact Us

## How to Log In

1. Go to <https://dashboard-dev.aylanetworks.com/devices>
2. Enter the same credentials as those you used to get into the Developers site.



The screenshot shows the Ayla OEM Dashboard Sign in page with the following details:

- Form:** email (user@smartplug.com), password (redacted), Sign in button
- Links:** Sign up, Forgot your password?, Didn't receive confirmation instructions?
- Bottom:** Home, Sign in, Contact Us

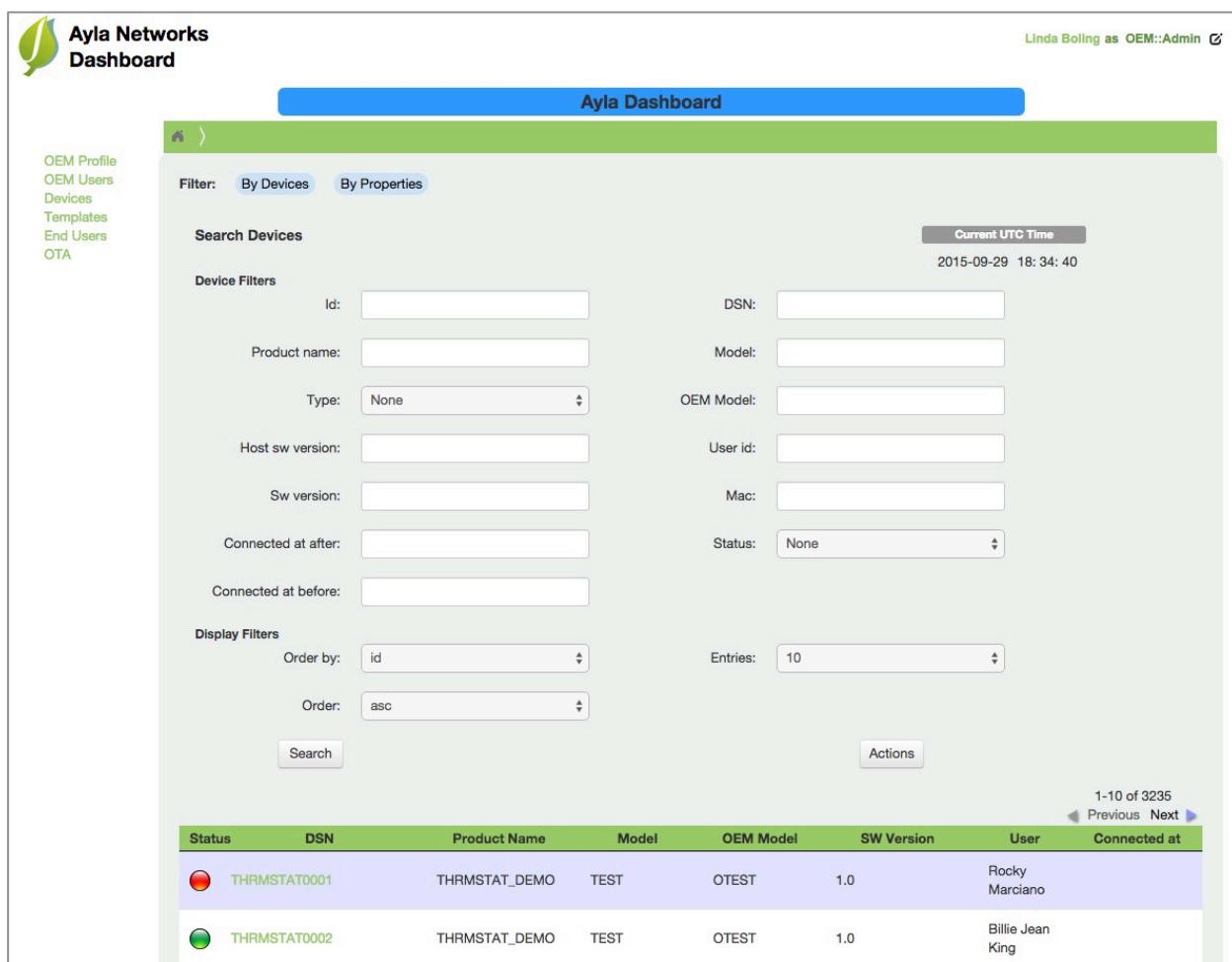
## The Ayla OEM Dashboard Interface

After logging on you see the navigation bar on the left side of the screen, the currently selected view (in this case, **Devices** view), your name and role on the right top of the screen, and the Home and Contact US links at the bottom of the page.

The Devices view opens when you log in, however this document follows views as listed in the navigation bar:

1. OEM Profile
2. OEM Users
3. Devices
4. Templates
5. End Users
6. OTA

**NOTE:** A Glossary is provided at the end of this document. Common terms found in the OEM Dashboard are defined in the glossary.



Status	DSN	Product Name	Model	OEM Model	SW Version	User	Connected at
● THRMSTAT0001	THRMSTAT_DEMO	TEST	OTEST	1.0	Rocky Marciano		
● THRMSTAT0002	THRMSTAT_DEMO	TEST	OTEST	1.0	Billie Jean King		

Each view has different related links within the chosen view. For example, the OEM Profile has the following links:

[Profile](#) [Apps](#) [iOS Certs](#) [SMTP Settings](#) [Email Templates](#) [Social OAuth](#) [Trigger Intervals](#) [Host MCU Images](#) [Oauth Applications](#) [Baidu](#)

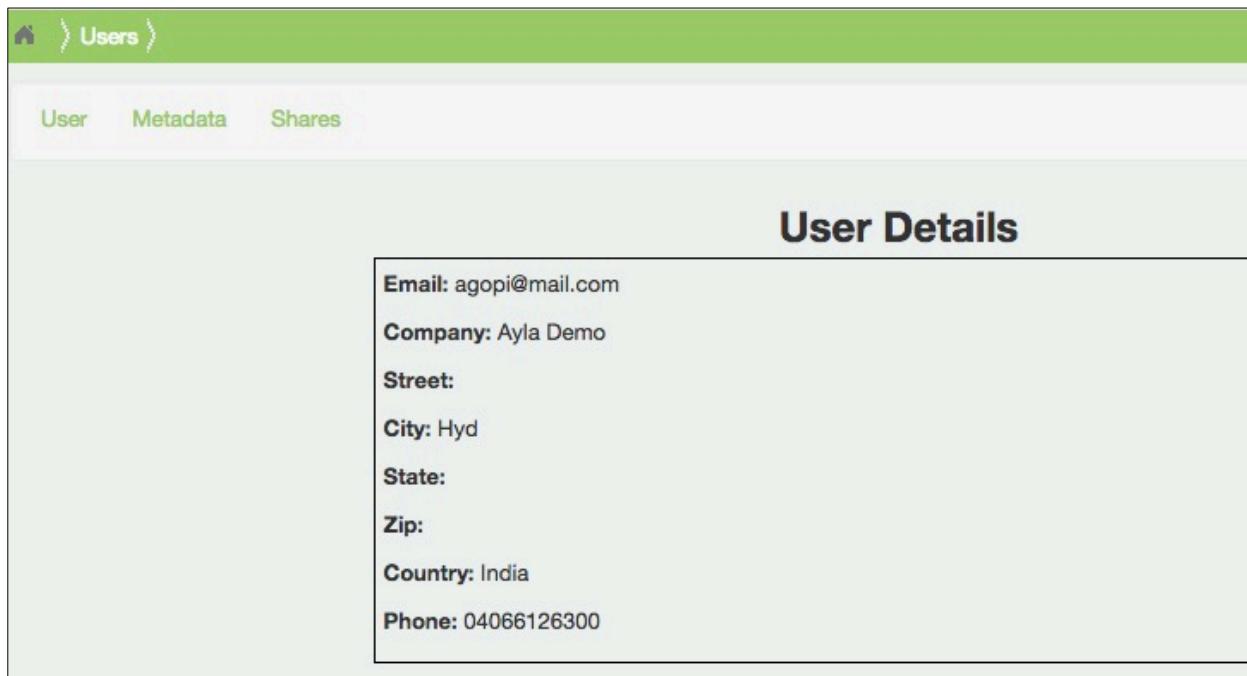
In some cases there are other actionable buttons such as Edit, Actions, or Search. This, the Profile view, also has an Edit button at the bottom of the page.



Oem Id (This is a unique autogenerated string):  
Oem Key (This is a unique autogenerated string)

**Edit**

In some cases, you can click on an active link and additional information and options opens. For example, clicking on the a users Email opens a new view with information about the user and other user views – user, Metadata, and Shares, as shown below:



Users

User    Metadata    Shares

### User Details

Email: agopi@mail.com  
Company: Ayla Demo  
Street:  
City: Hyd  
State:  
Zip:  
Country: India  
Phone: 04066126300

## Roles in the Ayla OEM Dashboard

Roles in the Dashboard are important to aspect because different roles have different access to views. If you are not an Admin, you may not see some views or option. The *OEM Roles and Privileges* (AY006UR0) document provides complete information about roles. Below is an excerpt from the document. For complete information refer to the document itself.

All users have access to devices that have been registered to their account.  
Each OEM role can perform different tasks outlined below.

### OEM Admin

- Create, update, or delete users and modify their privileges
- Access all public and OEM scope templates
- Only an admin can perform Host OTAs
- Access to all OEM devices

### **OEM Staff**

- View all users and devices, but cannot make changes, read-only access
- Access all public and OEM scope templates

### **OEM Developer**

- Access to all public and OEM scope templates
- Read and write access to their devices

### **End User**

- Create, update, or delete their registered devices only, devices they own

## OEM Profile

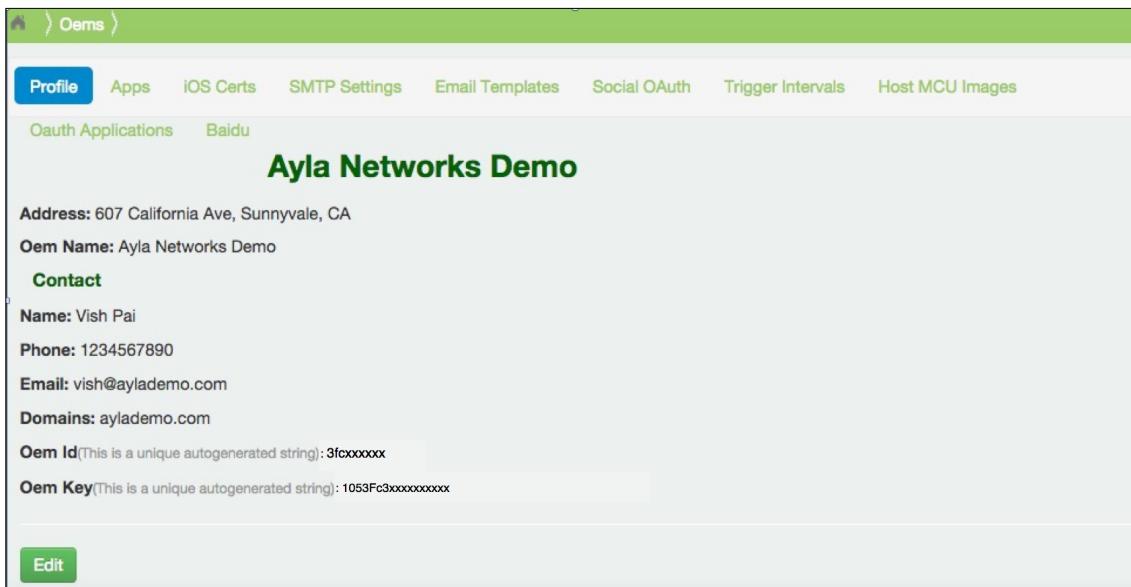
Click on OEM Profile from the navigation bar to access the following views:

- Profile
- Apps
- iOS Certs
- SMTP Settings
- Email Templates
- Social OAuth
- Trigger Intervals
- Host MCU Images
- OAuth Applications
- Baidu

Each of these views are shown and described below. Where applicable, directions for changing values are included.

### Profile

Contact Information, such as Address, Name, Contact, Domains, OEM ID, and OEM Key



**Ayla Networks Demo**

**Address:** 607 California Ave, Sunnyvale, CA

**Oem Name:** Ayla Networks Demo

**Contact**

**Name:** Vish Pai

**Phone:** 1234567890

**Email:** vish@aylademo.com

**Domains:** aylademo.com

**Oem Id** (This is a unique autogenerated string): 3fcxxxxxx

**Oem Key** (This is a unique autogenerated string): 1053Fc3xxxxxxxx

**Edit**

### How to Edit a Profile

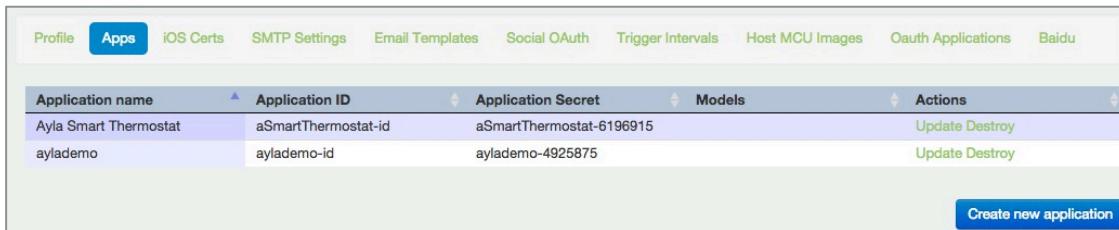
1. Click the **Edit** button.  
**Update OEM** view opens.
2. Update the **Profile**.
3. Click the **Save** button.

**Update OEM**

Profile Settings	
Name	Ayla Networks Demo
Address	607 California Ave, Sunnyvale, CA
Contact Information Name	Vish Pai
Contact Information Phone	1234567890
Contact Information Email	vish@aylademo.com
Domains	aylademo.com <span style="color: green;">Delete</span>
	<span style="color: green;">Add</span>
<b>Oem Id</b> (This is a unique autogenerated string): <b>0f0e442e</b>	
<b>Oem Key</b> (This is a unique autogenerated string): <b>1044127f3d2780e820af3f3008411d5d09</b>	
<b>Save</b>	

## Apps

Below is a list of your applications, including Application ID, Models, and Application Secret.

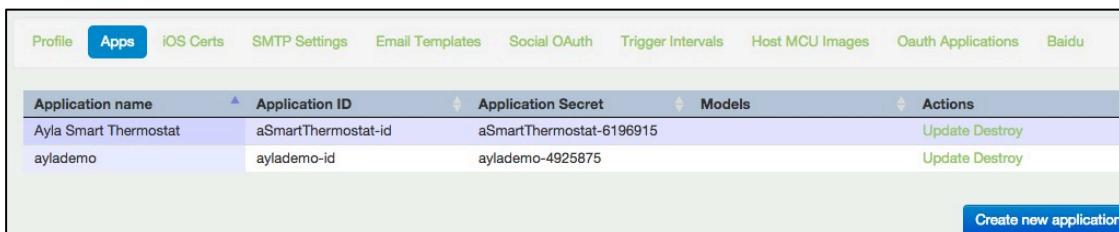


Application name	Application ID	Application Secret	Models	Actions
Ayla Smart Thermostat	aSmartThermostat-id	aSmartThermostat-6196915		<a href="#">Update</a> <a href="#">Destroy</a>
aylademo	aylademo-id	aylademo-4925875		<a href="#">Update</a> <a href="#">Destroy</a>

[Create new application](#)

### How to create an application

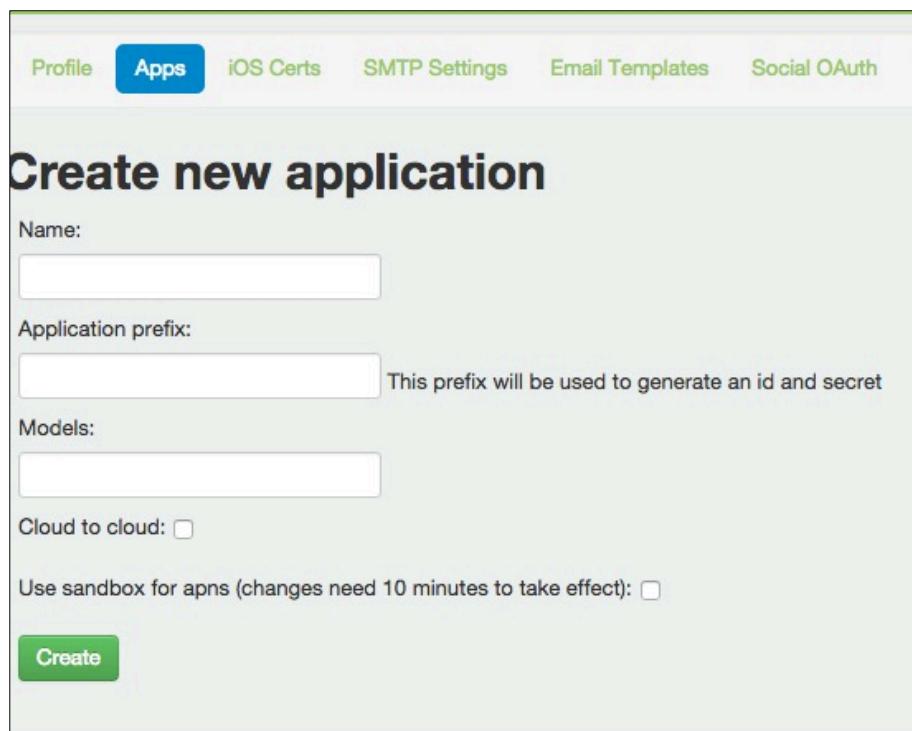
1. Click the **Apps** button at the top of the OEM Profile menu.



Application name	Application ID	Application Secret	Models	Actions
Ayla Smart Thermostat	aSmartThermostat-id	aSmartThermostat-6196915		<a href="#">Update</a> <a href="#">Destroy</a>
aylademo	aylademo-id	aylademo-4925875		<a href="#">Update</a> <a href="#">Destroy</a>

[Create new application](#)

2. Click on the **Create new application** button at the bottom left side of the **Apps** view.
3. The **Create new application** form opens.
4. Complete the form and select the **Cloud to cloud** check box, if desired.
5. Select the **Use sandbox for apns** (Apple Push Notification Service), if desired.
6. Click the **Create** button.



**Create new application**

Name:

Application prefix:  This prefix will be used to generate an id and secret

Models:

Cloud to cloud:

Use sandbox for apns (changes need 10 minutes to take effect):

[Create](#)

## iOS Certs

Below is an example of a list of Pem name and the Application ID and Actions for iOS Certs.

Profile	Apps	iOS Certs	SMTP Settings	Email Templates	Social OAuth	Trigger Intervals	Host MCU Images	Oauth Applications	Baidu								
Pem name	Application Id	Actions															
No data available in table																	
There are no registered Pems associated with this oem																	
									Upload new pem								

## How to add a PEM with iOS Certs

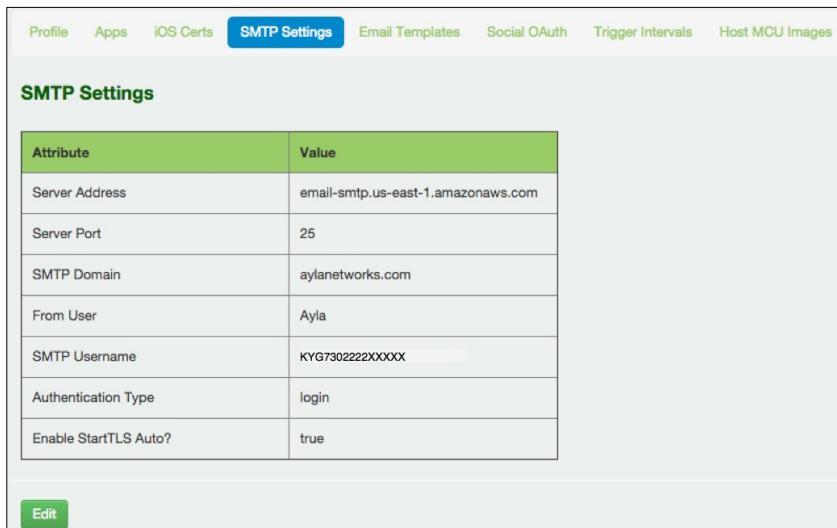
1. Click iOS Certs button.
2. Click the **Upload new pem** button at the bottom right side of the view.
3. Complete the requested information.
4. Click the **Create** button.

breadcrumb: Home > OEMs > Ayla Networks Demo > Pems >

Profile	Apps	iOS Certs	SMTP Settings	Email Templates	Social OAuth	Trigger Intervals
<h2>Create new PEM</h2>						
<p>Name: <input type="text" value="PEM"/></p>						
<p>Pem file: <input type="file" value="Choose File"/> No file chosen</p>						
<p>Application id: <input type="text" value="ABD123xx"/> Used to identify this pem.</p>						
<p>Passphrase: <input type="text" value="*****"/> If the pem file require a passphrase.</p>						
<p><b>Create</b></p>						

## SMTP Settings

Username, Enable StartTLS (Auto?)



Attribute	Value
Server Address	email-smtp.us-east-1.amazonaws.com
Server Port	25
SMTP Domain	aylanetworks.com
From User	Ayla
SMTP Username	KYG7302222XXXXX
Authentication Type	login
Enable StartTLS Auto?	true

**Edit**

### How to create SMTP Settings

1. Click the Edit button at the button left side of the view.
2. Edit the form, as desired.

**NOTE: SMTP Enable Start TLS Auto** applies TLS security automatically to the SMTP messages. If you choose to use your own security, select **False** from the drop down.

3. Click Save (or Cancel)

**Edit SMTP Settings**

[Clear All](#)

All fields required  
Changes need 10 minutes to take effect

SMTP Address

SMTP Port

SMTP Domain

From User

SMTP Username

SMTP Password

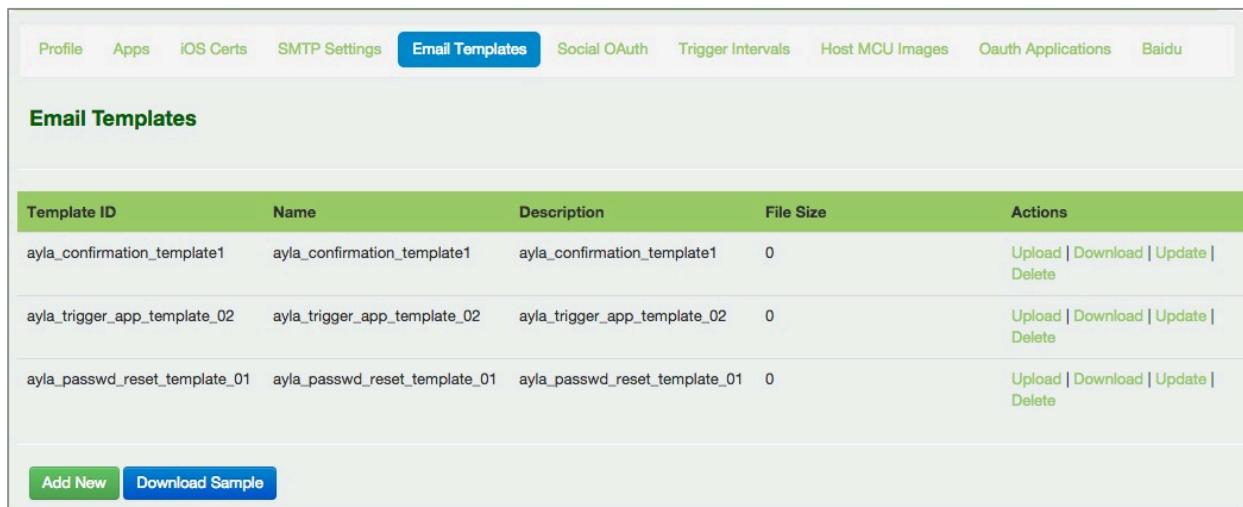
SMTP Authentication

SMTP Enable Start TLS Auto

**Save** **Cancel**

## Email Templates

Here is a list of Templates and their Name, Description, File Size, and Actions. You can also add new Templates here. Clicking on **DOWNLOAD SAMPLE** provides examples of icons and templates of messages sent to users.



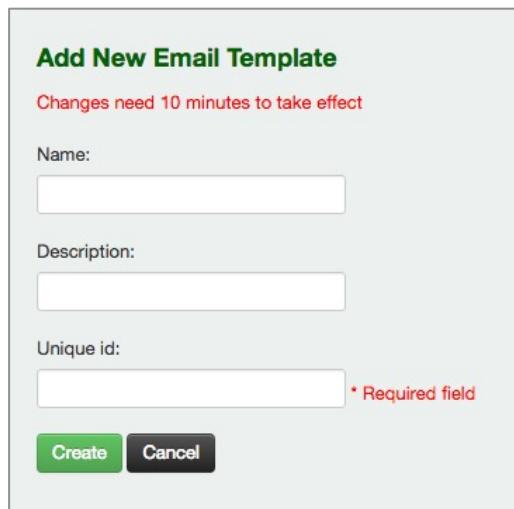
Template ID	Name	Description	File Size	Actions
ayla_confirmation_template1	ayla_confirmation_template1	ayla_confirmation_template1	0	<a href="#">Upload</a>   <a href="#">Download</a>   <a href="#">Update</a>   <a href="#">Delete</a>
ayla_trigger_app_template_02	ayla_trigger_app_template_02	ayla_trigger_app_template_02	0	<a href="#">Upload</a>   <a href="#">Download</a>   <a href="#">Update</a>   <a href="#">Delete</a>
ayla_passwd_reset_template_01	ayla_passwd_reset_template_01	ayla_passwd_reset_template_01	0	<a href="#">Upload</a>   <a href="#">Download</a>   <a href="#">Update</a>   <a href="#">Delete</a>

[Add New](#) [Download Sample](#)

Click **Download Samples** to view example of templates.

### How to add a new email template

1. Click **Add New** at the bottom left of the view. The **Add New Email Template** form opens.
  2. Complete the form.
  3. Click **Create** (or Cancel).
- NOTE:** Changes take up to 10 minutes. Although it may be less, please allow 10 minutes to pass before using the new email template.



**Add New Email Template**

Changes need 10 minutes to take effect

Name:

Description:

Unique id:  \* Required field

[Create](#) [Cancel](#)

## Social OAuth

View or Create OAuth applications for clients



Provider	Client_id	Client_secret	Actions
google	123	7171	<a href="#">Destroy</a>

[Create new External Oauth](#)

### How to create a new external OAuth

1. Click the Create new External Oauth button at the bottom left of the view. The **Create new OAuth** form opens.
2. Complete the form.
3. Click the **Create** button.



**Create new Oauth**

Provider:

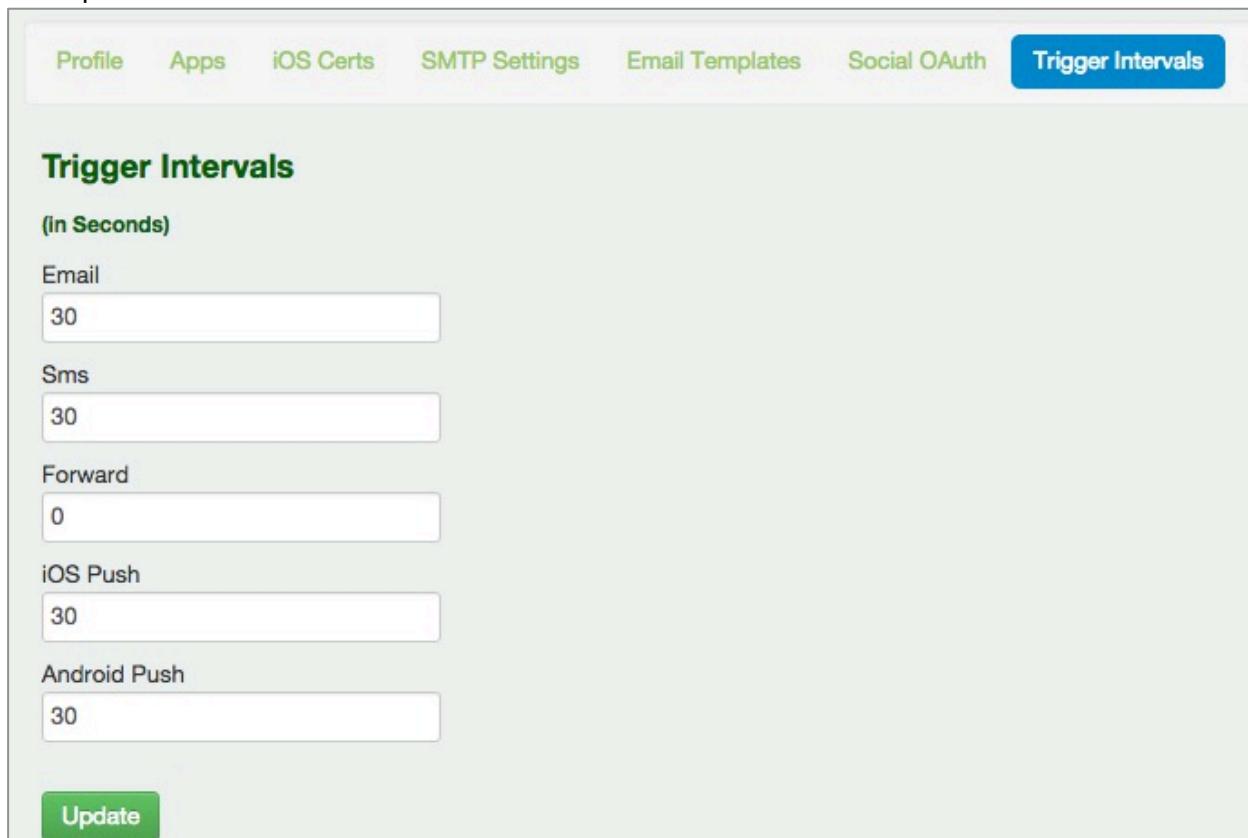
Client id:

Client secret:

**Create**

## Trigger Intervals

Below is a list of triggers. Triggers determine the time (in seconds) that the chosen messaging takes place.



**Trigger Intervals**  
(in Seconds)

Email	30
Sms	30
Forward	0
iOS Push	30
Android Push	30

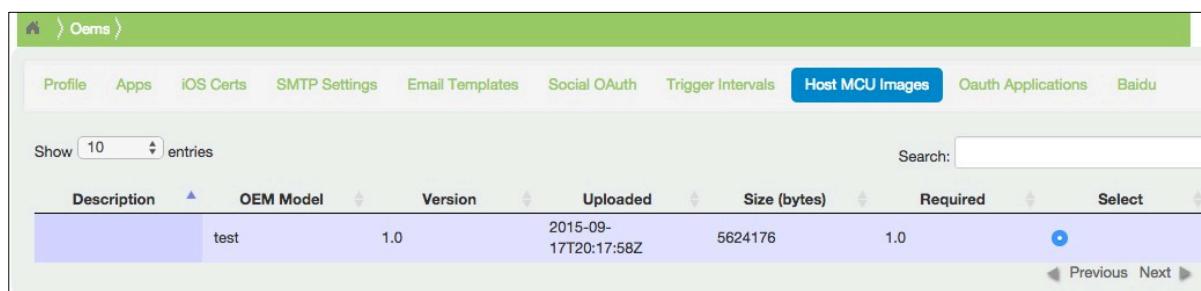
**Update**

## How to update Trigger Levels

1. In the form, go to the trigger interval you wish to change.
2. Delete the current value and enter the new value
3. Click the **Update** button at the bottom of the form.

## Host MCU Images

Below is a list of Host MCU Images. Also, search for Host MCU Images.



Description	OEM Model	Version	Uploaded	Size (bytes)	Required	Select
test		1.0	2015-09-17T20:17:58Z	5624176	1.0	<input checked="" type="checkbox"/>

## Oauth Application

Below is a list of authorized Oauth Applications and the ability to add new applications.



Profile Apps iOS Certs SMTP Settings Email Templates Social OAuth Trigger Intervals Host MCU Images **Oauth Applications** Baidu

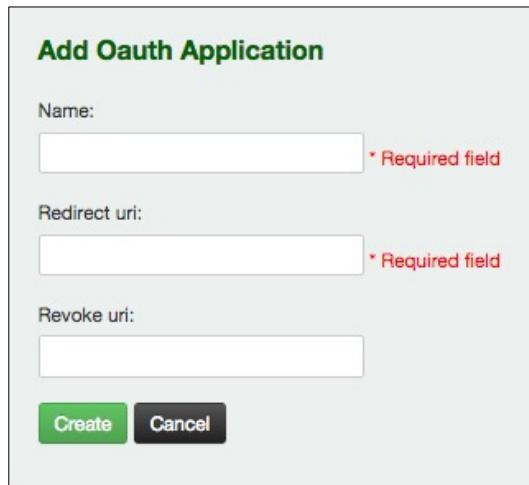
**Oauth Applications**

ID	Name	Redirect URI	Revoke URI	Actions
No data available in table				

**Add New**

### How to add an Oauth Application

1. Click the **Add New** button at the bottom of the form.
2. Enter the required information – **Name**, **Redirect url**.
3. Enter the **Revoke url**, if desired.
4. Click the Create (or Cancel) button at the bottom of the form.



**Add Oauth Application**

Name:  \* Required field

Redirect uri:  \* Required field

Revoke uri:

**Create** **Cancel**

## Baidu Applications-

Below is a list of authorized Baidu applications and ability to add new applications. This is an oauth that is used in China.



Profile Apps iOS Certs SMTP Settings Email Templates Social OAuth Trigger Intervals Host MCU Images **Oauth Applications** **Baidu**

**Baidu Applications**

Application Id	Api Key	Secret Key	Actions
No data available in table			

There are no registered Baidu applications associated with this oem

**Register new Baidu application**

## OEM Users

**OEM Users** is a list of all OEM Users and their role or roles. For information about roles, see Roles in the Ayla OEM Dashboard on page 9.

[Create an OEM User](#)

Show 10 entries

Search:

First Name	Last Name	Email	Authorized	Admin	Actions
Linda	Boling	lboling@yahoo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
Vish	Pai	vish@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
Shubha	Rao	shubha@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
rammohan	b	rammohan@aylademo...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
murali	krishna	murali@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
gopi	krishna	gopi@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
Calvin	Sellwood	calvin@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>
Rachel	Zhang	rachel@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Destroy</a>

[◀ Previous](#) [Next ▶](#)

## How to CREATE an OEM User

1. Click on the **Create an OEM User** button at the top right of the view.  
The **Create User** form opens.
2. Complete the form.
3. Select the Role for the End by using the drop-down list.
4. Select the **Have an Ayla Dev Kit** check box, if applicable.  
NOTE: If the user has an Ayla Dev Kit you need to enter the dev kit number. The field for the number opens after you select the checkbox.



The screenshot shows a modal dialog box for creating a user. At the top left is a checkbox labeled "Have an Ayla Dev Kit" with a checked mark. Below it is a text input field containing the text "Ayla Dev Kit # AC000W000021444". At the bottom right of the dialog are two buttons: a green "Create" button and a black "Cancel" button.

5. Click the **Create** (or **Cancel**) button.

Users

### Create User

Firstname \*:  
Sally

Lastname \*:  
Ride

Email \*:  
sally@company.com

Password \*:  
\*\*\*\*\*

Password confirmation \*:  
\*\*\*\*\*

Company \*:  
Ayla Networks Demo

Street:  
123 Water Point way

City \*:  
Foster City

State:  
California

Zip:  
93539

Zip2:

Country \*:  
United States

Country code \*:  
United States +1

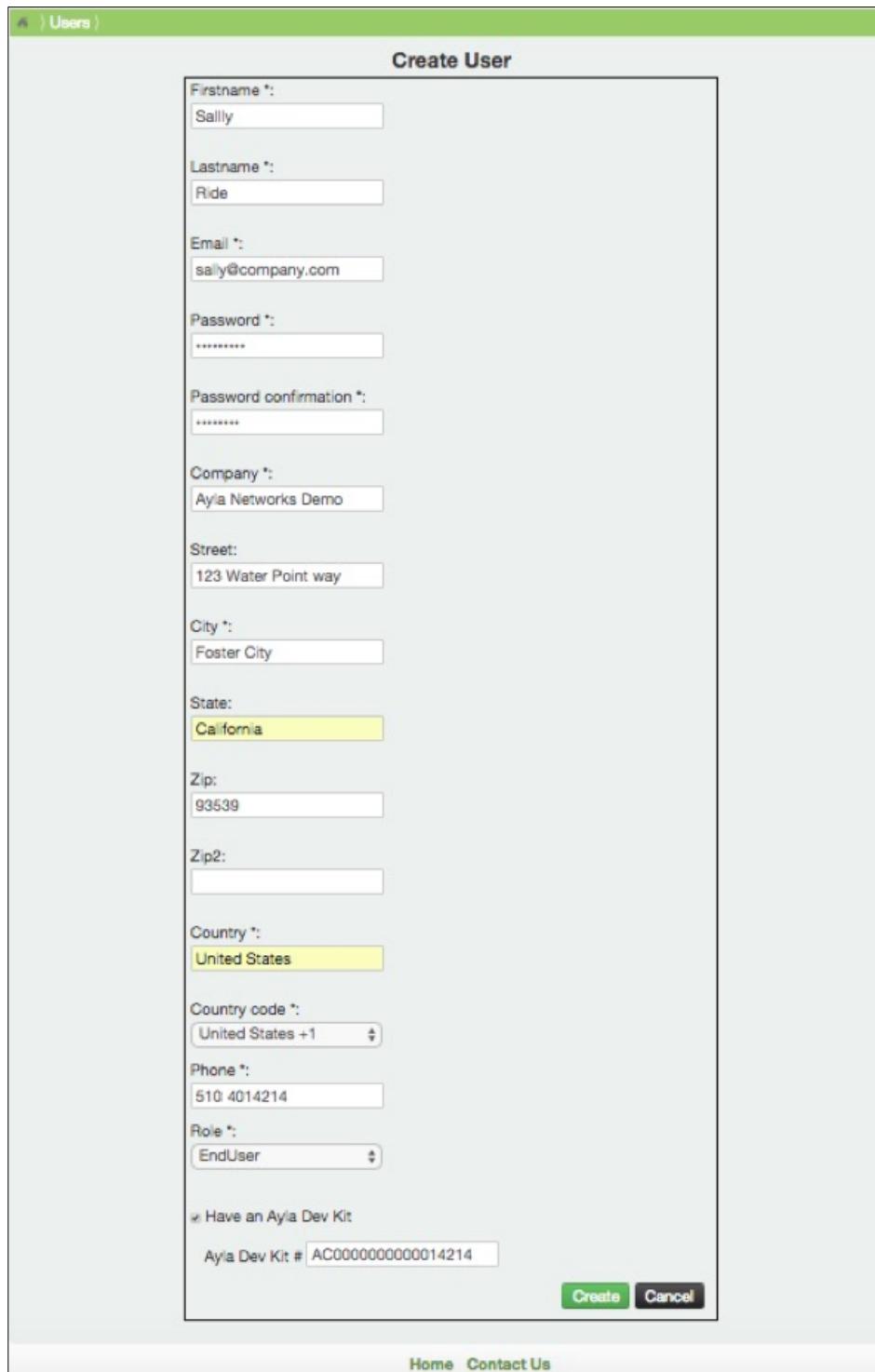
Phone \*:  
510 4014214

Role \*:  
EndUser

Have an Ayla Dev Kit  
Ayla Dev Kit # AC000000000014214

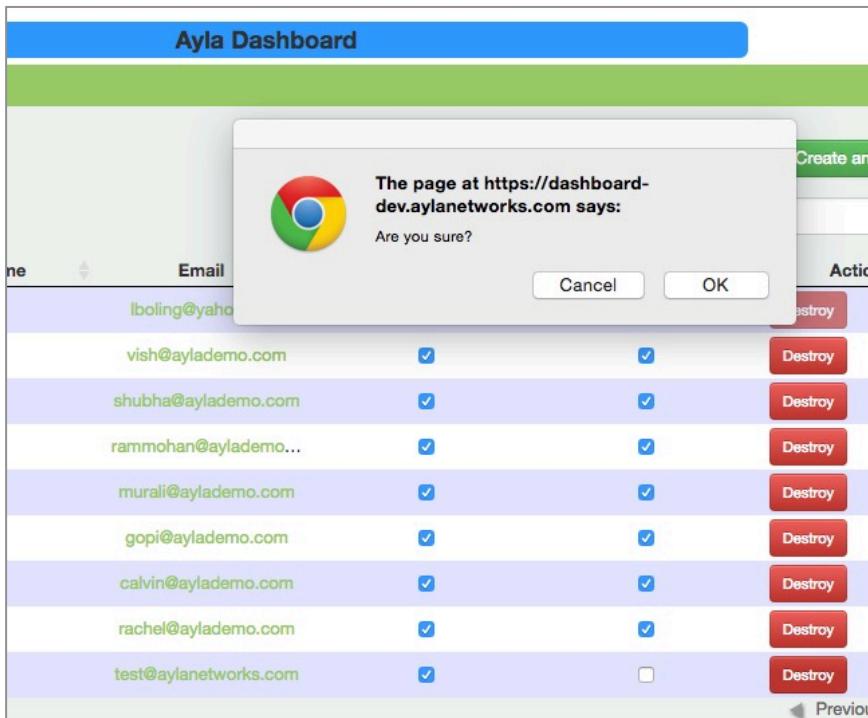
**Create** **Cancel**

Home Contact Us

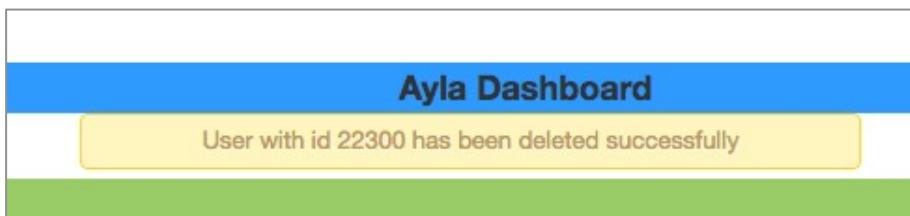


## How to delete an OEM User

1. Select the user to delete by clicking on the **Destroy** button in the users' row.
2. Click **OK** in the pop-up menu.  
The user is deleted.



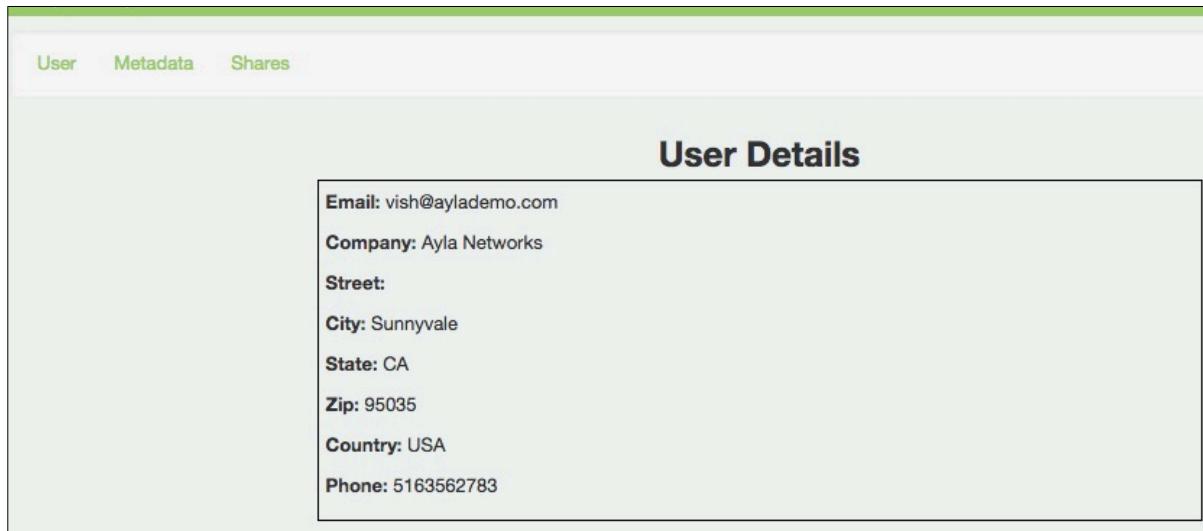
A verification message is shown:



## How to get OEM User details

1. Click on the users email.
2. The User Details opens.

## User Details



The screenshot shows a 'User Details' view. At the top, there are three navigation tabs: 'User', 'Metadata', and 'Shares'. The 'User' tab is selected. Below the tabs, the title 'User Details' is centered. A list of user information is displayed in a box, including:  
**Email:** vish@aylademo.com  
**Company:** Ayla Networks  
**Street:**  
**City:** Sunnyvale  
**State:** CA  
**Zip:** 95035  
**Country:** USA  
**Phone:** 5163562783

At the top of this view, there are three additional views for the user: User, Metadata, and Shares.

## How to update a User

1. Select OEM User from the navigation button.
2. Click on the email for the user you want to update.
3. Click on the User button at the top left of the User view.
4. Complete the Update User.

**Update User**

Firstname \*:

Lastname \*:

Email \*:

Company \*:

Street:

City \*:

State:

Country code \*:

Phone \*:

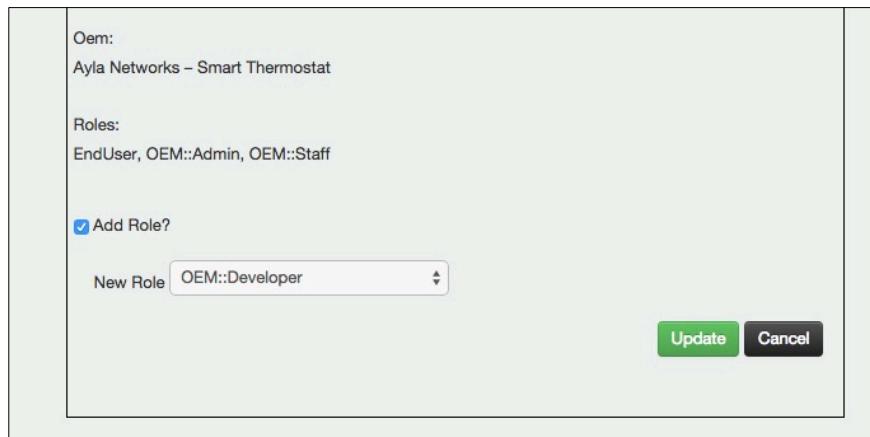
Oem:  
Ayla Networks – Smart Thermostat

Roles:  
EndUser, OEM::Admin, OEM::Staff

Add Role?

Update Cancel

5. At the bottom of this form, you have the option to add a role to the user. To add a role, click the **Add Role** check box and select from the drop-down menu, as shown below.
6. Click the **Update** (or **Cancel**) button at the bottom right of the view.



Oem:  
Ayla Networks - Smart Thermostat

Roles:  
EndUser, OEM::Admin, OEM::Staff

Add Role?

New Role OEM::Developer

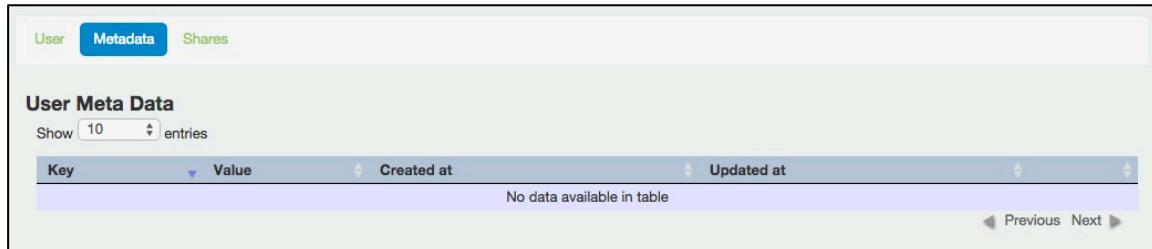
Update Cancel

## User Meta Data

Meta Data includes the User Key, Value, when Connected, and when last updated.

### How to view User Metadata

1. Click Metadata in the User view.
2. The User Meta Data is shown, as shown below.



User Meta Data

Show 10 entries

Key	Value	Created at	Updated at
No data available in table			

Previous Next

## User Share

User Shares is a list of users that are sharing a resource.

### How to view User Shares

1. Click Shares in the User view.
2. The Shares data is shown see below for an example.



Shares

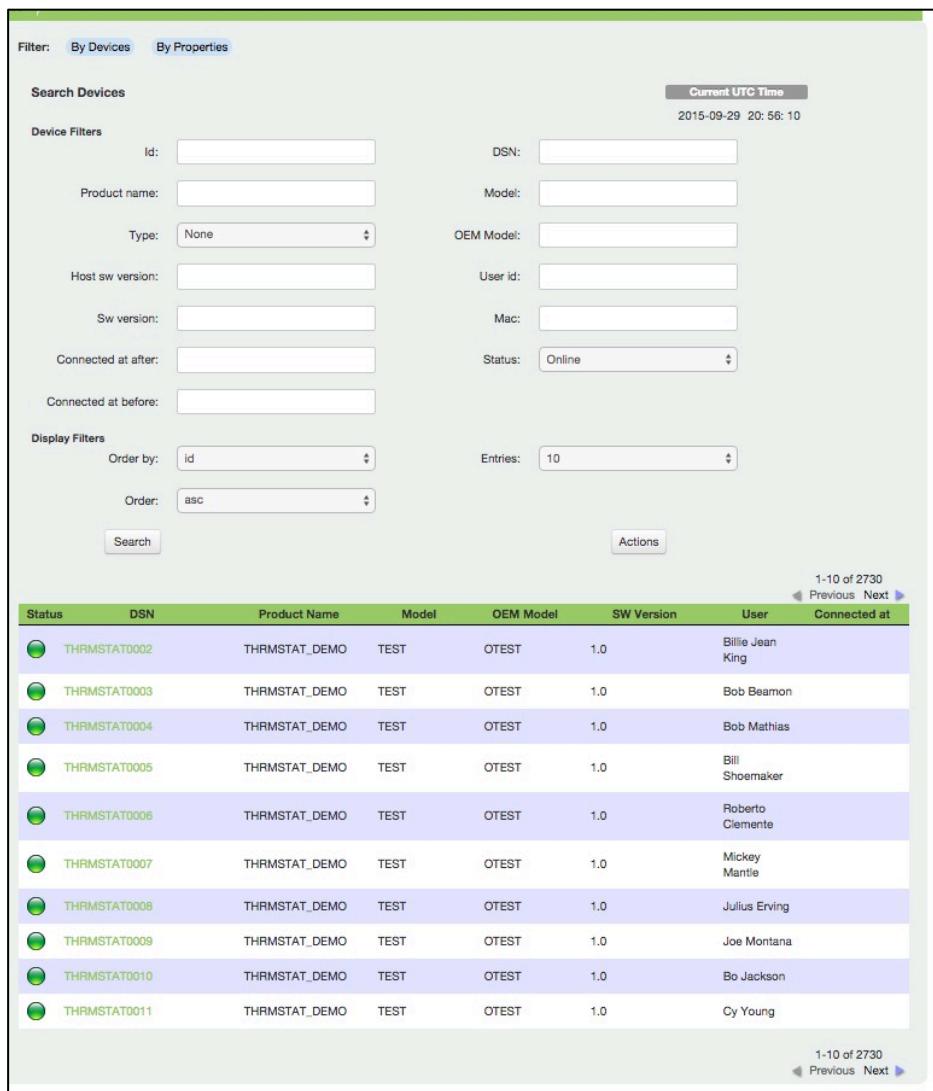
Show 10 entries

Share ID	Grant ID	User ID	Resource ID	Resource name	Created at	Start	End	Status	Operation
No data available in table									

Previous Next

## Devices

Selecting **Devices** in the navigation bar brings you to a **Filter** search by either **Devices** or **Properties** and a list of the first 10 devices.



Status	DSN	Product Name	Model	OEM Model	SW Version	User	Connected at
●	THRMSTAT0002	THRMSTAT_DEMO	TEST	OTEST	1.0	Billie Jean King	
●	THRMSTAT0003	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Bearmon	
●	THRMSTAT0004	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Mathias	
●	THRMSTAT0005	THRMSTAT_DEMO	TEST	OTEST	1.0	Bill Shoemaker	
●	THRMSTAT0006	THRMSTAT_DEMO	TEST	OTEST	1.0	Roberto Clemente	
●	THRMSTAT0007	THRMSTAT_DEMO	TEST	OTEST	1.0	Mickey Mantle	
●	THRMSTAT0008	THRMSTAT_DEMO	TEST	OTEST	1.0	Julius Erving	
●	THRMSTAT0009	THRMSTAT_DEMO	TEST	OTEST	1.0	Joe Montana	
●	THRMSTAT0010	THRMSTAT_DEMO	TEST	OTEST	1.0	Bo Jackson	
●	THRMSTAT0011	THRMSTAT_DEMO	TEST	OTEST	1.0	Cy Young	

## Device Search

### How to Search by Devices

1. Select the **By Devices** in the top left side of the Filter form by clicking on **By Devices**.

The Search Devices view opens.

Filter: [By Devices](#) [By Properties](#)

**Search Devices**

**Device Filters**

<input type="text" value="Id:"/>	<input type="text" value="DSN:"/>
<input type="text" value="Product name:"/>	<input type="text" value="Model:"/>
Type: <input type="text" value="None"/>	<input type="text" value="OEM Model:"/>
<input type="text" value="Host sw version:"/>	<input type="text" value="User id:"/>
<input type="text" value="Sw version:"/>	<input type="text" value="Mac:"/>
<input type="text" value="Connected at after:"/>	Status: <input type="text" value="None"/>
<input type="text" value="Connected at before:"/>	

**Display Filters**

Order by: <input type="text" value="Id"/>	Entries: <input type="text" value="10"/>
Order: <input type="text" value="asc"/>	

1-10 of 3260

2. Enter or select the **Search** criteria.

3. Click **Search** in the bottom left side.

The search results open with the list of devices, as shown below.

Filter: [By Devices](#) [By Properties](#)

**Search Devices**

**Device Filters**

<input type="text" value="Id:"/>	<input type="text" value="DSN:"/>
<input type="text" value="Product name:"/>	<input type="text" value="Model:"/>
Type: <input type="text" value="Wifi"/>	<input type="text" value="OEM Model:"/>
<input type="text" value="Host sw version:"/>	<input type="text" value="User id:"/>
<input type="text" value="Sw version:"/>	<input type="text" value="Mac:"/>
<input type="text" value="Connected at after:"/>	Status: <input type="text" value="None"/>
<input type="text" value="Connected at before:"/>	

**Display Filters**

Order by: <input type="text" value="id"/>	Entries: <input type="text" value="10"/>
Order: <input type="text" value="asc"/>	

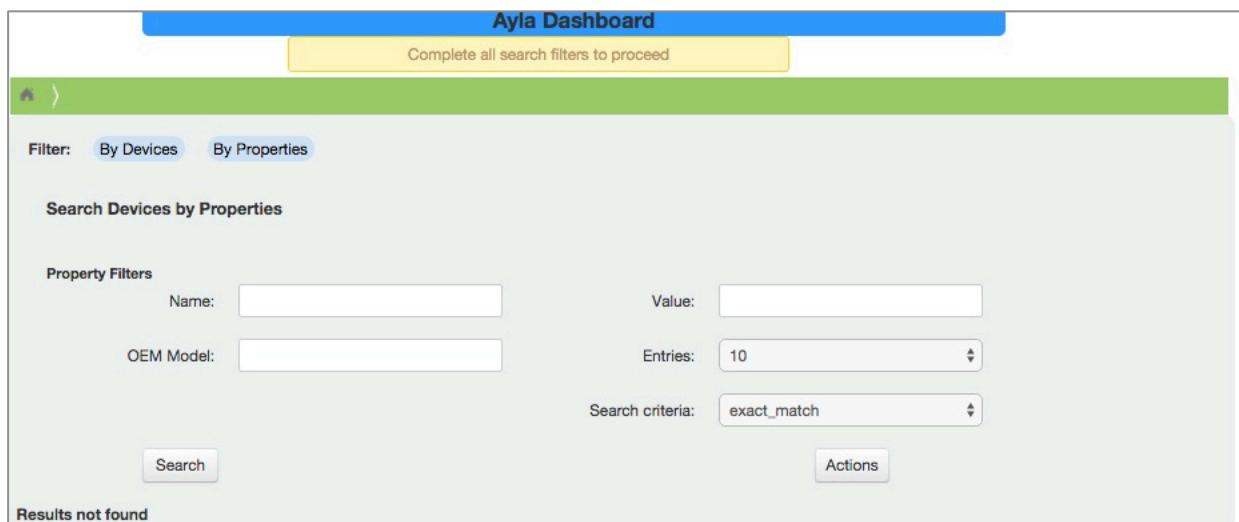
1-10 of 3260

Status	DSN	Product Name	Model	OEM Model	SW Version	User	Connected at
●	THRMSTAT0001	THRMSTAT_DEMO	TEST	OTEST	1.0	Rocky Marciano	
●	THRMSTAT0002	THRMSTAT_DEMO	TEST	OTEST	1.0	Billie Jean King	
●	THRMSTAT0003	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Beamon	
●	THRMSTAT0004	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Mathias	
●	THRMSTAT0005	THRMSTAT_DEMO	TEST	OTEST	1.0	Bill Shoemaker	
●	THRMSTAT0006	THRMSTAT_DEMO	TEST	OTEST	1.0	Roberto Clemente	
●	THRMSTAT0007	THRMSTAT_DEMO	TEST	OTEST	1.0	Mickey Mantle	
●	THRMSTAT0008	THRMSTAT_DEMO	TEST	OTEST	1.0	Julius Erving	
●	THRMSTAT0009	THRMSTAT_DEMO	TEST	OTEST	1.0	Joe Montana	
●	THRMSTAT0010	THRMSTAT_DEMO	TEST	OTEST	1.0	Bo Jackson	

## How to Search by Properties

1. Select the **By Properties** on the top left side of the **Filter** form by clicking on **By Properties**.

The Search Devices view opens.



Ayla Dashboard

Complete all search filters to proceed

Filter: By Devices By Properties

Search Devices by Properties

Property Filters

Name:  Value:

OEM Model:  Entries: 10

Search criteria: exact\_match

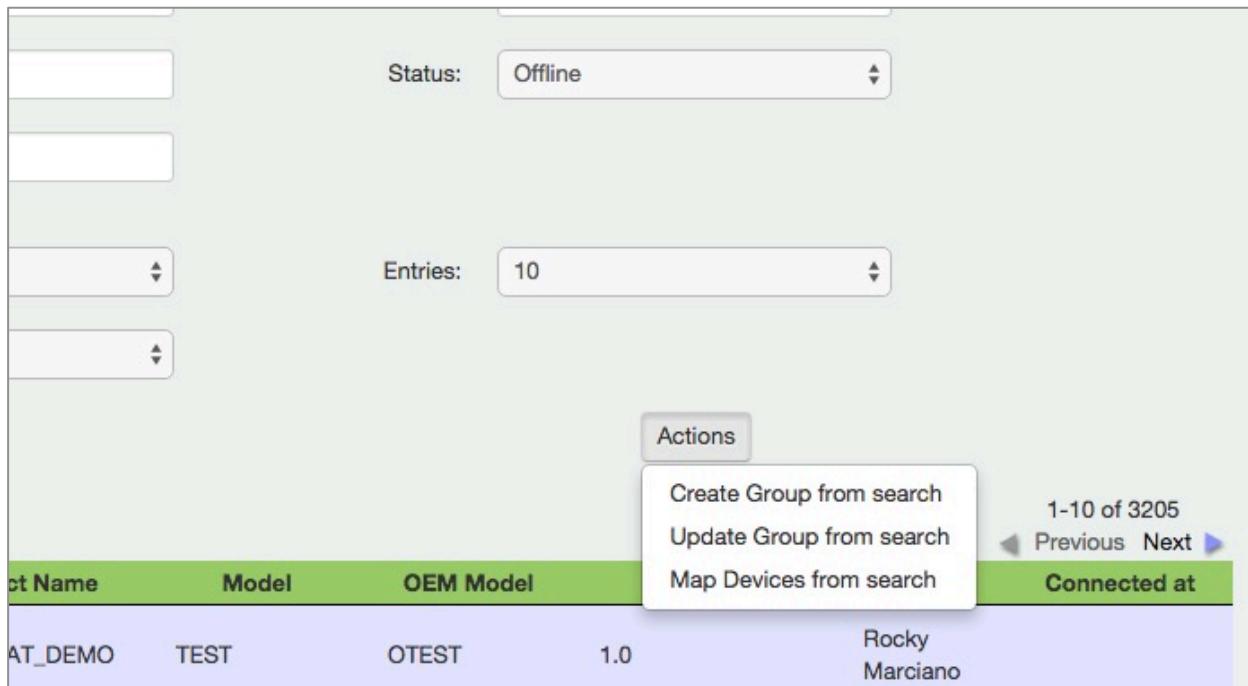
Search Actions

Results not found

2. Complete the form. All fields must be completed for the Properties search.
3. Click the Search button at the bottom left of the form.

The search results open.

## Actions



Product Name	Model	OEM Model	Version	Connected at
AT_DEMO	TEST	OTEST	1.0	Rocky Marciano

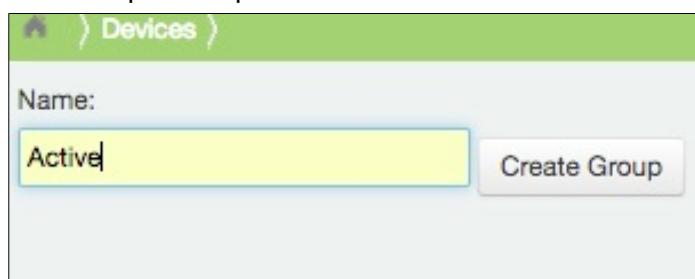
The Actions button in the Filter section of the initial Devices view provides the following:

- Create a Group from search
- Update Group from search
- Map Devices from search

### ***How to Create a Group from search***

After you have done a search, click on the Actions button.

The Group view opens.



Enter a name for the Group and click Create Group

The Group opens.

Groups

**Group: Active**

Product Name	DSN	Module Model	OEM Model	Module SW Version	Module Updated
THRMSTAT_DEMO	THRMSTAT0001	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0002	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0003	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0004	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0005	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0006	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0007	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0008	TEST	OTEST	1.0	
THRMSTAT_DEMO	THRMSTAT0009	TEST	OTEST	1.0	

### Update Group from search

Devices

Group Name	Devices	Created At	Select
Active	3318 devices in this group	2015-10-02T19:38:52Z	<input checked="" type="radio"/>
<a href="#">Add Devices</a>			

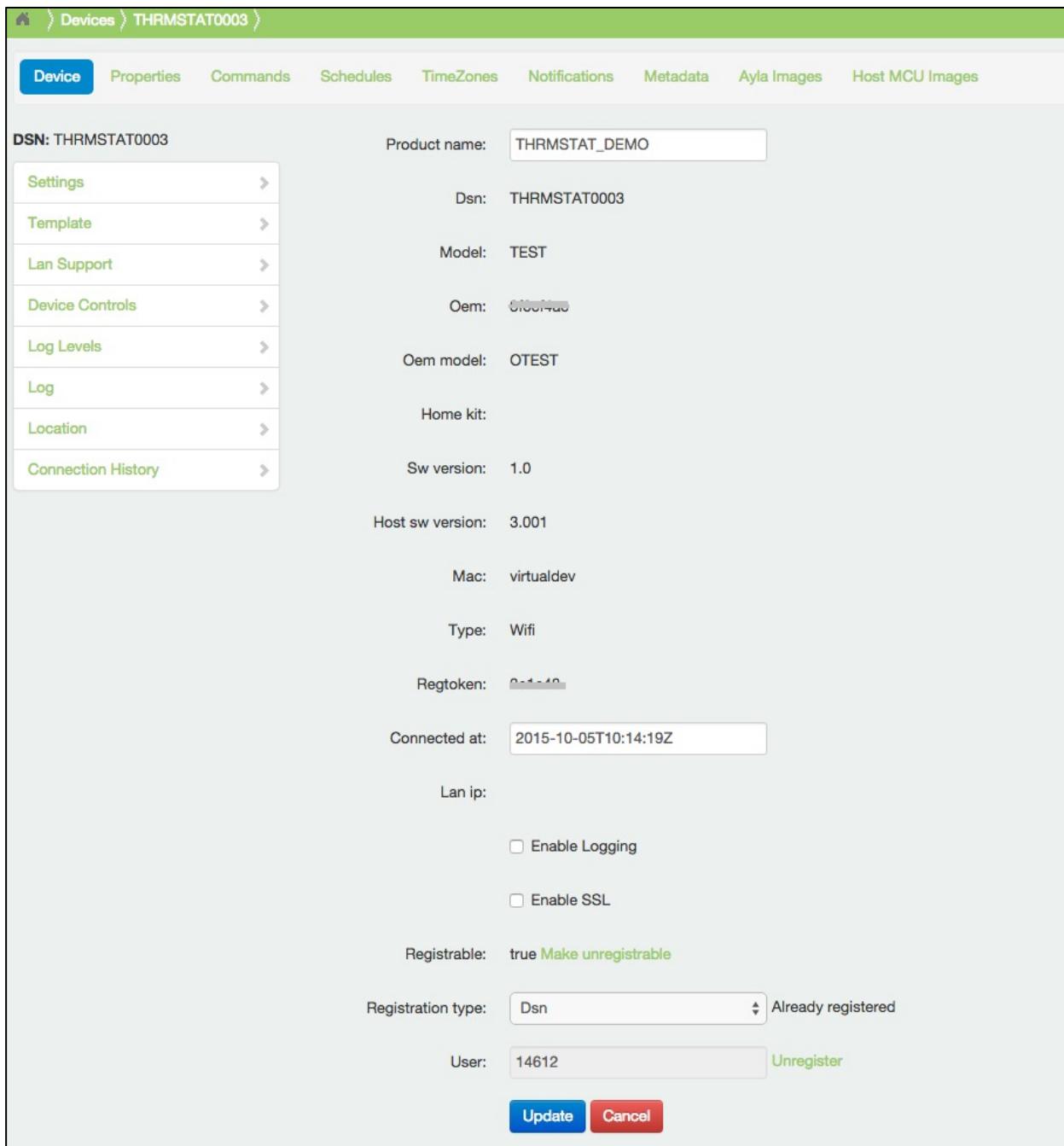
## Device Information

The following is show in the initial devices list:

- Status** - Red icon = device is off / Green icon = device is on / Gray icon =device is in the process of coming up
- DSN** – the DSN of the device. The DSN is the Device Serial Number.
- Product Name** – the name of the product, as you have named it.
- Model** – the product model of the device
- SW Version** – the software version of the device.
- User** – the name of the user associated with the device
- Connected At** - The time the device connected

## How to View and Update a Device

1. Select **Devices** from the navigation bar.
2. If the device does not show up in the device list, use the Filter to search By Device or By Properties (see the directions above for how to search).
3. When the device is showing in the list of devices, click the DSN link. The Device details opens.



DSN: THRMSTAT0003

Product name: THRMSTAT\_DEMO

Dsn: THRMSTAT0003

Model: TEST

Oem: 01001400

Oem model: OTEST

Home kit:

Sw version: 1.0

Host sw version: 3.001

Mac: virtualdev

Type: Wifi

Regtoken: 0-1-10

Connected at: 2015-10-05T10:14:19Z

Lan ip:

Enable Logging

Enable SSL

Registrable: true [Make unregisterable](#)

Registration type: Dsn [Already registered](#)

User: 14612 [Unregister](#)

**Update** **Cancel**

The Device details links are in the top left side of the device view. The following links are available:

## Settings

**DSN: THRMSTAT0002**

- [Settings](#)
- [Template](#)
- [Lan Support](#)
- [Device Controls](#)
- [Log Levels](#)
- [Log](#)
- [Location](#)
- [Connection History](#)

Product name:

Dsn: THRMSTAT0002

Model: TEST

Oem: 3f6cf4ac

Oem model: OTEST

Home kit:

Sw version: 1.0

Host sw version: 3.001

Mac: virtualdev

Type: Wifi

Regtoken: 6cde67

Connected at:

Lan ip:

Enable Logging

Enable SSL

Registrable: true [Make unregisterable](#)

Registration type:  Already registered

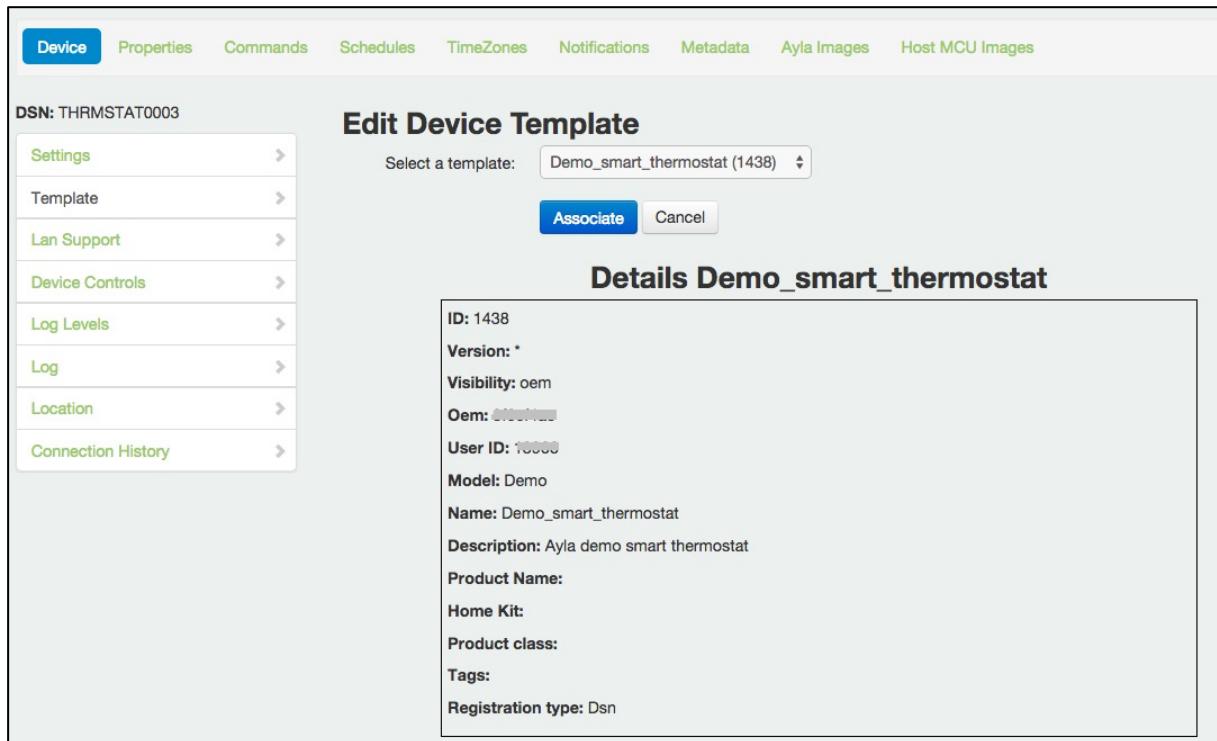
User:  [Unregister](#)

### How to update settings

1. In The Settings view, update the settings you want to change.
2. Click **Update** (or **Cancel**) button at the bottom of the form.

## Template

Information about the template associated with this device.



DSN: THRMSTAT0003

**Edit Device Template**

Select a template: Demo\_smart\_thermostat (1438)

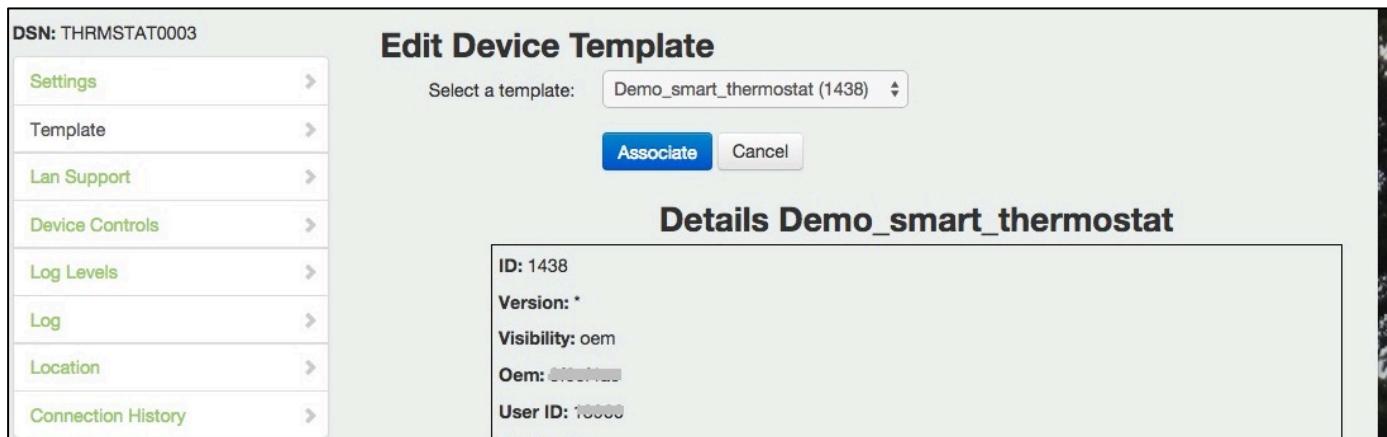
**Associate** **Cancel**

**Details Demo\_smart\_thermostat**

ID: 1438  
 Version: \*  
 Visibility: oem  
 OEM: 00000000  
 User ID: 10000  
 Model: Demo  
 Name: Demo\_smart\_thermostat  
 Description: Ayla demo smart thermostat  
 Product Name:  
 Home Kit:  
 Product class:  
 Tags:  
 Registration type: Dsn

### How to change the Device Template

1. In **Devices**, click the link for the device DSN.
2. Click **Template** from the list on the left side.  
Edit Device Template opens
3. Select a different template from the drop-down list.
4. Click the **Associate** (or Cancel) button.



DSN: THRMSTAT0003

**Edit Device Template**

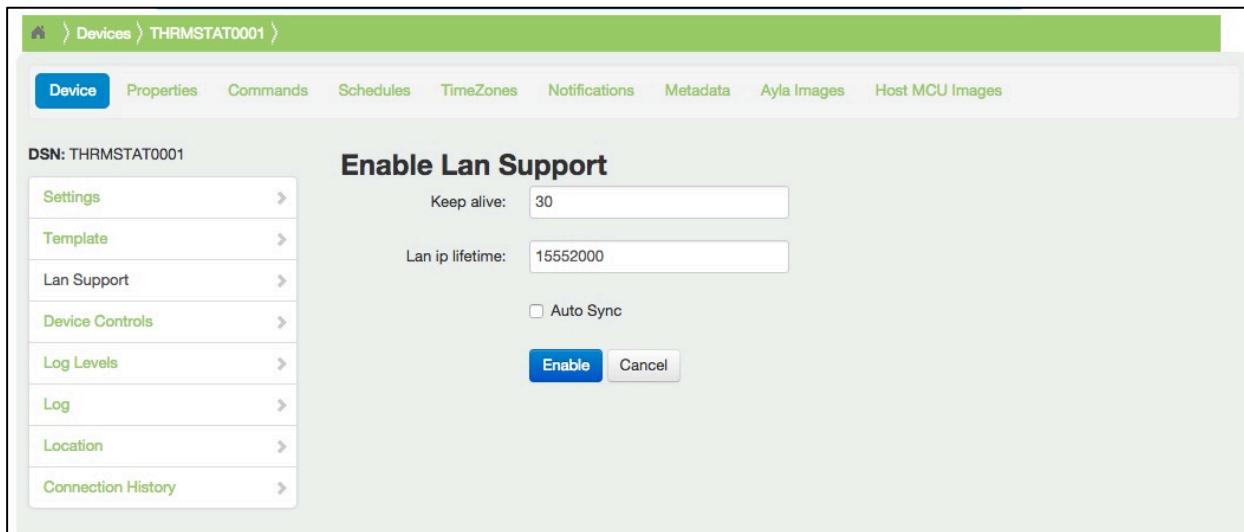
Select a template: Demo\_smart\_thermostat (1438)

**Associate** **Cancel**

**Details Demo\_smart\_thermostat**

ID: 1438  
 Version: \*  
 Visibility: oem  
 OEM: 00000000  
 User ID: 10000

## Lan Support



DSN: THRSTAT0001

**Enable Lan Support**

Keep alive: 30

Lan ip lifetime: 15552000

Auto Sync

**Enable** **Cancel**

### How to Enable Lan Support

1. In **Devices**, click the link for the device DSN.
2. Click **Lan Support** from the list on the list on the left side.

**Enable Lan Support** opens.

3. Fill in the fields.

**NOTE:** Times are in seconds.

**Keep Alive**- how often the mobile must connect to the cloud to keep the connection active.

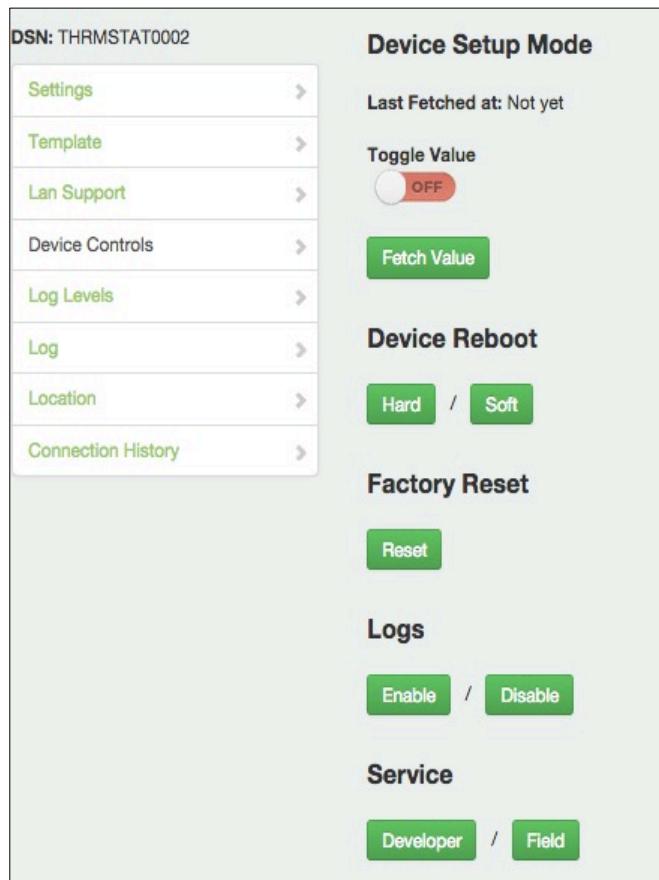
**Lan ip lifetime**- How long often the secret key needs to be created.

4. Select the **Auto Sync** checkbox – Highly recommended.

**NOTE:** Auto Sync in LAN support syncs the data between the LAN clients and the Cloud.

Click the **Enable** (or Cancel) button.

## Device Controls



DSN: THRMSTAT0002

**Device Setup Mode**

Last Fetched at: Not yet

Toggle Value  OFF

**Fetch Value**

**Device Reboot**

Hard / Soft

**Factory Reset**

**Logs**

Enable / Disable

**Service**

Developer / Field

### How to View/ Update Device Setup Modes

1. In **Devices**, click the link for the device DSN.
  2. Click **Device Controls** from the list on the list on the left side.
- Device Setup Mode** opens
3. Select the changes to make:
    - a. **Toggle Value** – On or Off
    - b. **Fetch Value** – Sends email with the value
    - c. **Device Reboot** – Hard reboot or **Soft** reboot
    - d. **Factory Reset** – Reset
    - e. **Logs** – Enable or Disable
    - f. **Service** – Developer or Field

## Log Levels

DSN: THRMSTAT0002

**Edit Log Levels**

All	Client	Conf	Dnss	Mod
<input checked="" type="checkbox"/> Info				
<input type="checkbox"/> Debug				
<input type="checkbox"/> Debug2				
<input type="checkbox"/> Metric				
Netsim	Server	Ssl	Wifi	Log Client
<input checked="" type="checkbox"/> Info				
<input type="checkbox"/> Debug				
<input type="checkbox"/> Debug2				
<input type="checkbox"/> Metric				

**Update** **Cancel**

### How to edit and Update log levels

1. In **Devices**, click the link for the device DSN.
2. Click **Log Levels** from the list on the list on the left side.
3. **Log Levels** view opens
3. Edit Log Levels as desired with log levels of:
  - a. Info – general messages (not errors or warnings)
  - b. Debug – more detailed information as well as warnings and errors
  - c. Debug2- lower level detailed information as well as warnings and errors
  - d. Metric – data on connections and internal performance information

For any of the following logs:

- All Log Levels- default for all other categories
- Client- Device to service and mobile LAN Agent logs
- Conf – configuration logs
- Dnss- DNS and mDNS server logs
- Mod- logs not include in other logs
- Netsim – Not applicable – no longer supported
- Server- internal web server logs
- Ssl- SSL or TLS logs
- Wifi – wifi logs
- Log Client- logs sent to the server

4. Click the **Update** (or Cancel) button at the bottom of the form.

## Log – run a log

DSN: THRMSTAT0002

- [Settings](#)
- [Template](#)
- [Lan Support](#)
- [Device Controls](#)
- [Log Levels](#)
- [Log](#)
- [Location](#)
- [Connection History](#)

Source:

Severity:

Lines:

Device time:

Since:

Until:

Server time:

Since:

Until:

Current Device Time  
2015-09-30 20:25:05

**Log**

The log typically displays the results after the filters you specified are applied.

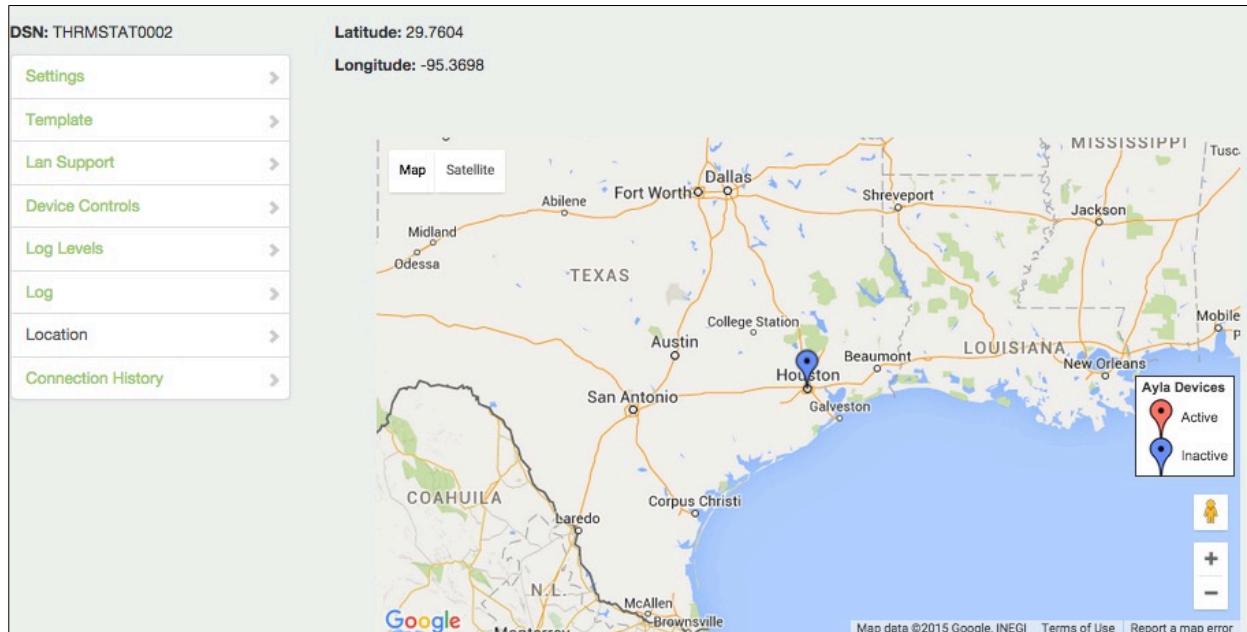
Note: Logs are not displayed for security purposes.

### How to run a log

1. In **Devices**, click the link for the device DSN.
2. Click **Log** from the list on the list on the left side.  
**Log** view opens
3. Select the parameters for the log using the following options:
  - a. Source – select from the drop-down menu
  - b. Severity – select from the drop-down menu
  - c. Lines - select from the drop-down menu
  - d. Device time – either enter a **Since** time or an **Until** time.
  - e. Server time – either enter a **Since** time or an **Until** time.

4. Click the **Clear**, **Search**, or **Refresh** button.

**Location** – shows the location of the device on a map



**Connection History** – a list of the event time and the status of the device



DSN: THRMSSTAT0002

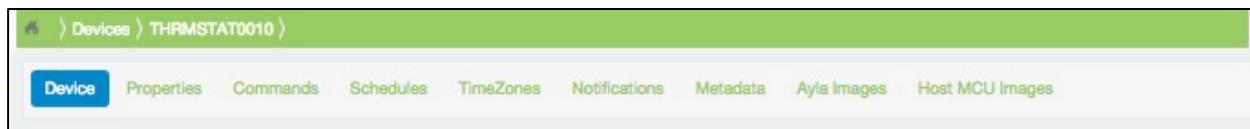
Show 10 entries

Event Time	Status
2015-09-29T16:21:59Z	Online
2015-09-29T16:16:52Z	Offline
2015-09-29T16:14:55Z	Online
2015-09-29T16:13:13Z	Online
2015-09-29T10:39:45Z	Offline
2015-09-29T10:39:04Z	Initializing
2015-09-24T19:58:57Z	Online
2015-09-24T18:12:49Z	Online
2015-09-21T13:01:18Z	Online
2015-09-21T12:31:01Z	Online

Showing 1 to 10 of 28 entries

Previous Next

## Devices additional views



## Properties

### View and Create Properties



Name	Base Type	Direction	Scope	Destroy
AwayMode	integer	To Device	user	Destroy
CoolSetPoint	integer	To Device	user	Destroy
FanSpeed	integer	From Device	user	Destroy
HeatSetPoint	integer	To Device	user	Destroy
HostSWVersion	string	From Device	user	Destroy
Humidity	integer	From Device	user	Destroy
IndoorTemp	integer	From Device	user	Destroy
Language	integer	From Device	user	Destroy
oem_host_version	string	From Device	user	Destroy
OutdoorTemp	integer	From Device	user	Destroy
QuickMode	integer	To Device	user	Destroy
TempMode	integer	From Device	user	Destroy
TempOverride	integer	To Device	user	Destroy
ThermostatFault	integer	From Device	user	Destroy

### How to create a new property

1. On the Devices, Properties view, click the **Create a Property** button at the bottom left side.
2. The **New Property** form opens.
3. Fill in the **Name, Display name**
4. Select the **Direction, Base Type** and **Scope**.
5. Check the Host SW Version checkbox, if desired.
6. Check the Time Series checkbox, if desired.
7. Click **Create** (or **Cancel**).

Device   **Properties**   Commands   Schedules   TimeZones   Notes

**New property**

Name:

Display name:

Direction:

Base type:

Scope:

Host SW Version

Time Series

**Create**   **Cancel**

## Commands

View all commands that were sent to the device

Device	Properties	Commands	Schedules	TimeZones	Notifications	Metadata	Ayla Images	Host MCU Images
Commands								
Show 10 entries								
Resource	URI	Data	Ack	Acked at	Created at			
config.json?	/sys_setup_mode.json		false	2015-10-01T19:13:31Z	2015-10-01T19:13:31Z	Destroy		
name=sys/setup_mod	e							
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"ssl","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:21Z	2015-09-30T20:38:21Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"server","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:21Z	2015-09-30T20:38:21Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"wifi","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"netsim","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"mod","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[]}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"dnss","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"conf","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
log_mods.json	/cmd_post_process.js	{"mods":[{"name":"client","levels":[{"info":1}, {"debug":1}, {"debug2":0}, {"metric":0}]}}	false	2015-09-30T20:38:16Z	2015-09-30T20:38:16Z	Destroy		
◀ Previous Next ▶								
<b>Delete all</b>								

## How to Delete all Commands

At the bottom of the **Commands** view, click the **Delete all** button.

## Schedules

View all schedules

Devices > THRMSTAT0002 >						
Device	Properties	Commands	Schedules	TimeZones	Notifications	Metadata
Schedules						
Name	Start Date	End Date	Start Time Each Day	End Time Each Day	Active	
CoolSetPoint	2015-09-30	2015-11-30	10:30:00		true	
HeatSetPoint	2015-09-30	2015-11-30	10:30:00		true	
Humidity	2015-10-02	2015-12-02	10:30:00		true	
IndoorTemp	2015-10-02	2015-12-02	10:30:00		true	
OutdoorTemp	2015-10-02	2015-12-02	10:30:00		true	
TempOverride	2015-09-30	2015-11-30	10:30:00		true	

## TimeZones

View all time zones

Device	Properties	Commands	Schedules	TimeZones	Notifications	Metadata	Ayla Images	Host MCU Images
Normal								
<b>TimeZones</b>								
Show	10	entries						
dst	dst_active	dst_next_change_date		dst_next_change_time	tz_id	utc_offset		
true	true	2015-11-01		02:00	America/C...	-06:00		
<a href="#">Previous</a> <a href="#">Next</a>								

## Notifications

View all notifications

Type	Threshold	URL	User Name
on_connection_rest...	1200		
on_connection_lost	300		
on_connect	0	http://www.aylanetworks.com	Billie
ip_change	0	http://www.aylanetworks.com	Billie
<a href="#">Previous</a> <a href="#">Next</a>			

## Metadata

View Meta Data

Key	Value	Created at	Updated at
No data available in table			
<a href="#">Previous</a> <a href="#">Next</a>			

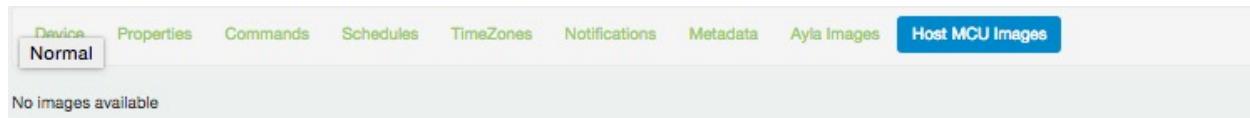
## Ayla Images

View all images

Device	Properties	Commands	Schedules	TimeZones	Notifications	Metadata	Ayla Images	Host MCU Images
No images available								

## Host MCU Images

View all Host MCU Images



## Templates

The Templates view provides a list of all available templates.

ID	Name	Description	Oem	Model	Product Name	Visibility
326	Ayla_LED_EVB Public	Demo			Ayla EVB	public
490	ayla_squirrel	demo		squirrel	public	
491	ayla_squirrel_139...	demo		squirrel	public	
497	demo23	alskjif		oiqwre	public	
498	demo1	sample		ayla001	public	
523	demo1_13991047...	sample		ayla001	public	
534	battery	for eBike		battery	public	
535	water	for btbu			public	
548	SphinxTest	Sphinx Device			Ayla Test Product	public
549	New Device	New Device				public
550	Cloned test	Demo			Ayla EVB	public
551	Cloned_test	Demo			Ayla EVB	public
552	Ayla_LED_EVB Public_1401813740	Demo			Ayla EVB	public
553	LED_EVB Public_1401813740	Demo			Ayla EVB	public

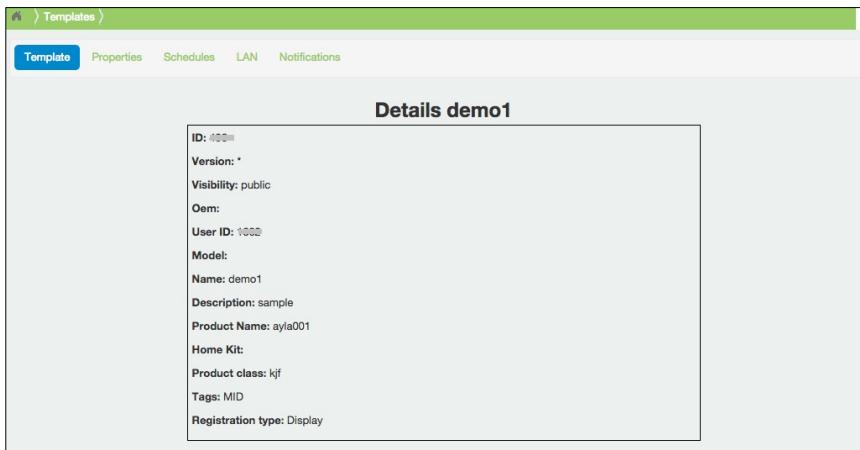
To change the order of the data, click on any of the header items – Name, Description, OEM, Model, Product Name, or Visibility.

ID	Name	Description	Oem	Model	Product Name	Visibility
1473	Demo_smart_ther...	Ayla demo smart thermostat	3f6cf4ac	Demo		oem

To get additional information about a template, click the link under the Name column.

1473	Demo_smart_ther...	Ayla demo smart thermostat	3f6cf4ac	Demo		oem
------	--------------------	----------------------------	----------	------	--	-----

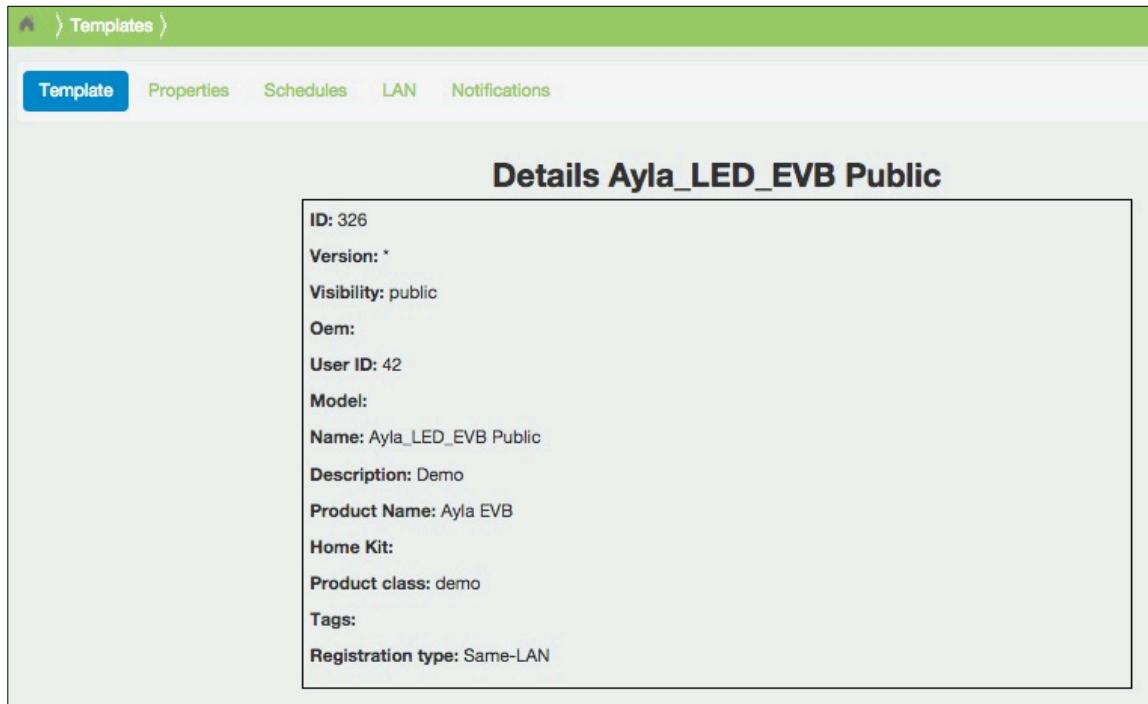
The Details view opens.



## Template details

The Details view includes the following:

Template ID, Version, Visibility, OEM User ID, Model, Name, Description, Product Name, HomeKit info, Product class, Tags, and Registration type.



**Details Ayla\_LED\_EVB\_Public**

ID:	326
Version:	*
Visibility:	public
Oem:	
User ID:	42
Model:	
Name:	Ayla_LED_EVB_Public
Description:	Demo
Product Name:	Ayla EVB
Home Kit:	
Product class:	demo
Tags:	
Registration type:	Same-LAN

Additional views are accessed at the top of the Details view. More information about the template includes:

## Template Properties



**Properties**

Name	Base Type	Direction	Scope
control_cloud_to_panel	string	To Device	user
control_panel_to_cloud	string	From Device	user
EN_tempctr1	boolean	From Device	user
get_error_code	string	From Device	user
get_temp	decimal	From Device	user
get_temp1	boolean	From Device	user
get_temp2	boolean	From Device	user

Clicking on a properties name in the Properties view opens the Property Name and template details.

Templates > 491 > Properties

Property Name: EN_tempctr3	Template Name: ayla_squirrel_1397638608
Property	Direction: output
Edit Retention	Name: EN_tempctr3
	Display Name: EN_tempctr3
	Scope: user
	Base Type: boolean
	Host SW Version: false
	Track Only Changes: false
	Time Series: false

## Template Schedules

View a list of schedules for the template.

Schedules						
Name	Start Date	End Date	Start Time Each Day	End Time Each Day	Active	
OEMSchedule	2015-07-16	2015-07-23	00:00:00			
plan	2014-01-29	2014-01-29	07:35:00	07:36:00		

## Template LAN

View details

Templates >

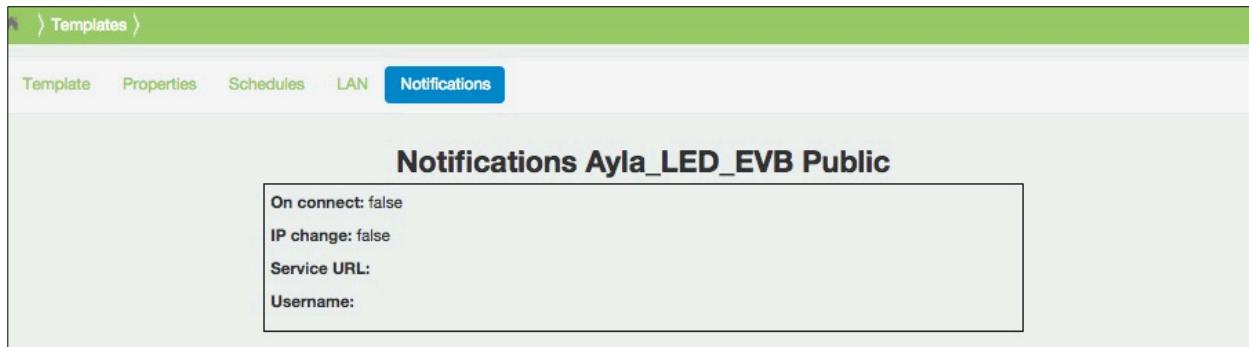
Template Properties Schedules **LAN** Notifications

**Lan Support Ayla\_LED\_EVB Public**

Enabled: true
Keep alive: 30
Lifetime: 15552000
Auto sync: true

## Template Notifications

View template details

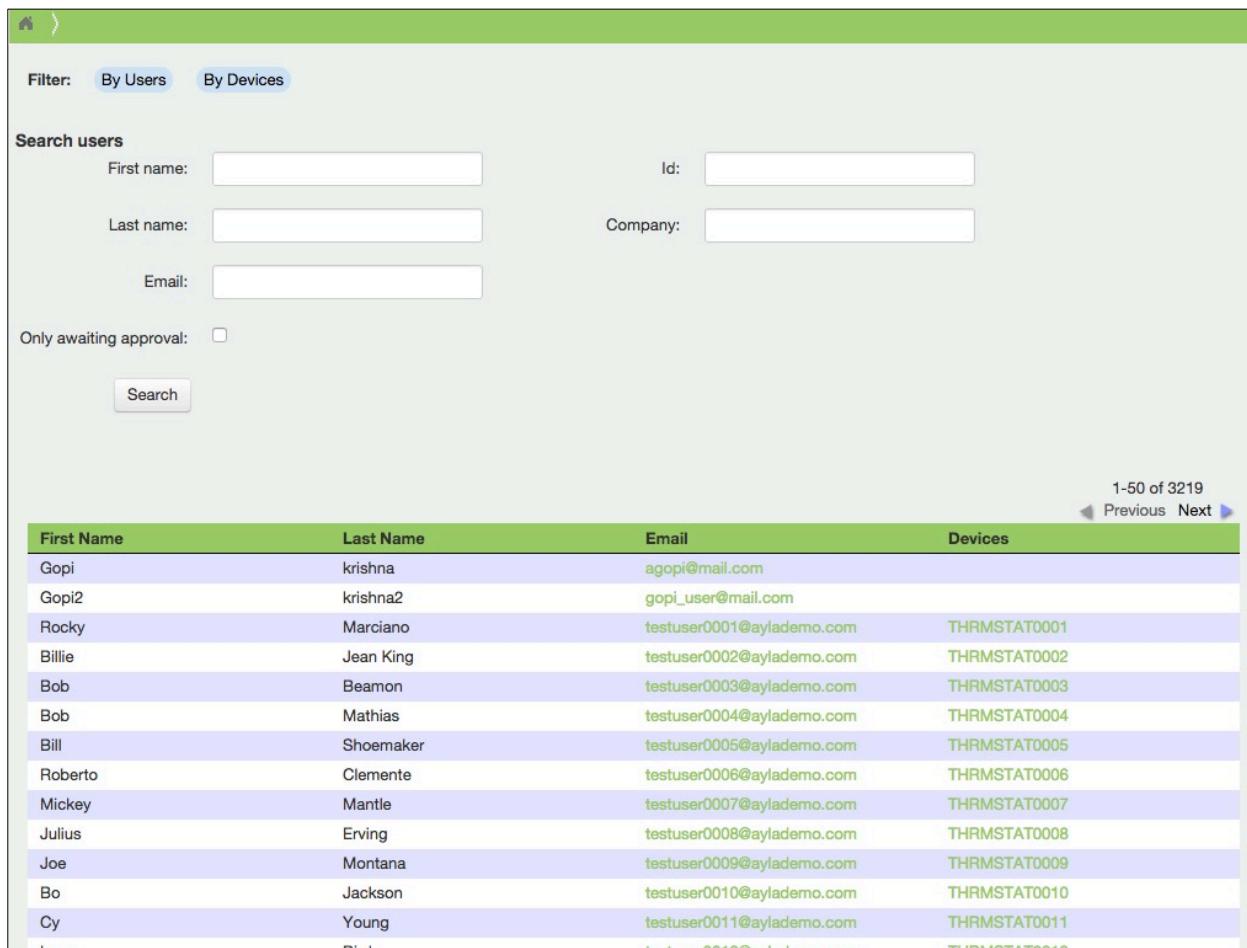


The screenshot shows a web-based interface for managing network templates. At the top, there is a green header bar with the text 'Templates' and a back arrow icon. Below the header, a navigation bar contains five tabs: 'Template' (selected), 'Properties', 'Schedules', 'LAN', and 'Notifications'. The 'Notifications' tab is highlighted with a blue background. The main content area is titled 'Notifications Ayla\_LED\_EVB Public'. Inside this title, there is a list of configuration settings:

- On connect: false
- IP change: false
- Service URL:
- Username:

## End Users

The **End Users** view provides a Filter search of users by either user or device. Below the filter search is list of the first 50 users first and last name, email, and devices.



First Name	Last Name	Email	Devices
Gopi	krishna	agopi@mail.com	
Gopi2	krishna2	gopi_user@mail.com	
Rocky	Marciano	testuser0001@aylademo.com	THRMSSTAT0001
Billie	Jean King	testuser0002@aylademo.com	THRMSSTAT0002
Bob	Beamon	testuser0003@aylademo.com	THRMSSTAT0003
Bob	Mathias	testuser0004@aylademo.com	THRMSSTAT0004
Bill	Shoemaker	testuser0005@aylademo.com	THRMSSTAT0005
Roberto	Clemente	testuser0006@aylademo.com	THRMSSTAT0006
Mickey	Martle	testuser0007@aylademo.com	THRMSSTAT0007
Julius	Erving	testuser0008@aylademo.com	THRMSSTAT0008
Joe	Montana	testuser0009@aylademo.com	THRMSSTAT0009
Bo	Jackson	testuser0010@aylademo.com	THRMSSTAT0010
Cy	Young	testuser0011@aylademo.com	THRMSSTAT0011
...	...	...	...

## End Users Filters Search

The End Users search allows you to find a specific end user. You can search by Users or by Devices.

### How to search By Users

Search by Users allows you to find a user by searching with the users first name, last name, email, Id, or Company. See the example below for a search of first name: Bob.

Filter: [By Users](#) [By Devices](#)

**Search users**

First name:	<input type="text" value="Bob"/>	Id:	<input type="text"/>
Last name:	<input type="text"/>	Company:	<input type="text"/>
Email:	<input type="text"/>		

Only awaiting approval:

[Search](#)

1-50 of 247 [Previous](#) [Next](#)

First Name	Last Name	Email	Devices
Bob	Beamon	testuser0003@aylademo.com	THRMSTAT0003
Bob	Mathias	testuser0004@aylademo.com	THRMSTAT0004
Bob	Gibson	testuser0029@aylademo.com	THRMSTAT0029
Bob	Gibson	testuser0034@aylademo.com	THRMSTAT0034
Bob	Mathias	testuser0044@aylademo.com	THRMSTAT0044
Bob	Cousy	testuser0059@aylademo.com	THRMSTAT0059
Bobby	Jones	testuser0062@aylademo.com	THRMSTAT0062
Bobby	Hull	testuser0066@aylademo.com	THRMSTAT0066

## How to search User Search by Devices

To search for a user using Devices, enter any of the following:

- Device ID
- Product name
- Type (choose from drop-down selections)
- Host SW version
- SW version
- Connected after (date)
- Connected at before (date)
- DSN
- Model
- OEM Mode
- User id
- Mac

Status (choose from drop-down selections)

You can choose how to view the search results by using the options in the Display Filters.

Display Filters

Order by:	<input type="text" value="id"/>	Entries:	<input type="text" value="25"/>
Order:	<input type="text" value="asc"/>		

After you have chosen the **Device Filters** for the search and the **Display Filters** for the display, click the Search button at the bottom of the form.

Filter: [By Users](#) [By Devices](#)

**Search Devices**

Current UTC Time  
2015-10-05 20:30:06

**Device Filters**

Id: <input type="text"/>	DSN: <input type="text"/>
Product name: <input type="text"/>	Model: <input type="text"/>
Type: <input type="text" value="Wifi"/>	OEM Model: <input type="text"/>
Host sw version: <input type="text"/>	User id: <input type="text"/>
Sw version: <input type="text"/>	Mac: <input type="text"/>
Connected at after: <input type="text"/>	Status: <input type="text" value="None"/>
Connected at before: <input type="text"/>	

**Display Filters**

Order by: <input type="text" value="id"/>	Entries: <input type="text" value="25"/>
Order: <input type="text" value="asc"/>	

1-25 of 3298  
[Previous](#) [Next](#)

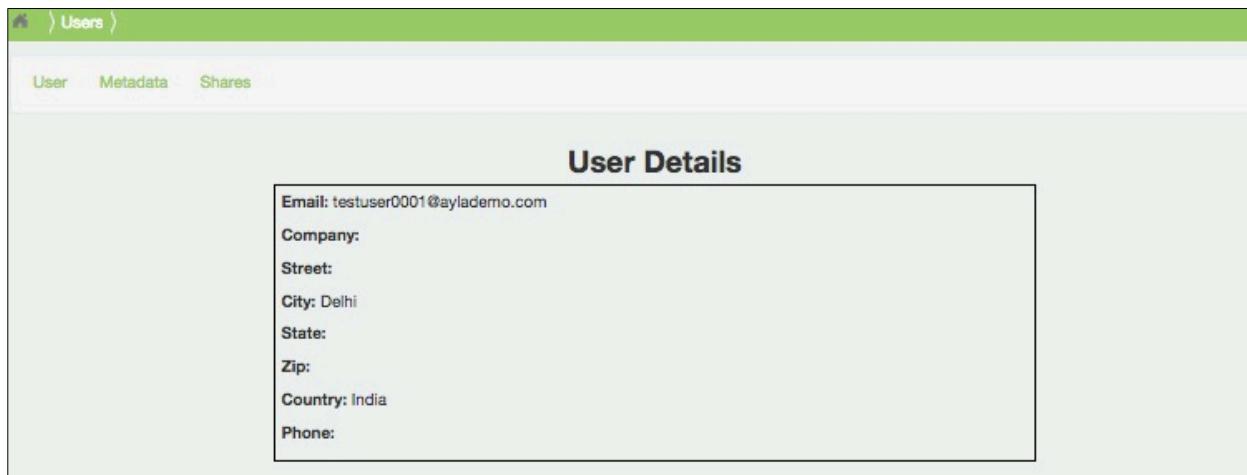
First Name	Last Name	Email	Devices
Rocky	Marciano	testuser001@aylademo.com	THRMSTAT0001
Billie	Jean King	testuser002@aylademo.com	THRMSTAT0002
Bob	Beamon	testuser003@aylademo.com	THRMSTAT0003
Bob	Mathias	testuser004@aylademo.com	THRMSTAT0004
Bill	Shoemaker	testuser005@aylademo.com	THRMSTAT0005
Roberto	Clemente	testuser006@aylademo.com	THRMSTAT0006
Mickey	Mantle	testuser007@aylademo.com	THRMSTAT0007
Julius	Erving	testuser008@aylademo.com	THRMSTAT0008
Joe	Montana	testuser009@aylademo.com	THRMSTAT0009
Bo	Jackson	testuser010@aylademo.com	THRMSTAT0010
Cy	Young	testuser011@aylademo.com	THRMSTAT0011
Larry	Bird	testuser012@aylademo.com	THRMSTAT0012
O J	Simpson	testuser013@aylademo.com	THRMSTAT0013
Jerry	Rice	testuser014@aylademo.com	THRMSTAT0014
Dan	Marino	testuser015@aylademo.com	THRMSTAT0015
Richard	Petty	testuser016@aylademo.com	THRMSTAT0016
Henry	Armstrong	testuser017@aylademo.com	THRMSTAT0017
Gordie	Howe	testuser018@aylademo.com	THRMSTAT0018
Martina	Navratilova	testuser019@aylademo.com	THRMSTAT0019
Rocky	Marciano	testuser020@aylademo.com	THRMSTAT0020
Hank	Aaron	testuser021@aylademo.com	THRMSTAT0021
Lou	Gehrig	testuser022@aylademo.com	THRMSTAT0022
Lou	Gehrig	testuser023@aylademo.com	THRMSTAT0023
Rocky	Marciano	testuser024@aylademo.com	THRMSTAT0024

## End User Details

To access the users details, click the users email in any End Users view. The User Details information opens.

### End User Details view

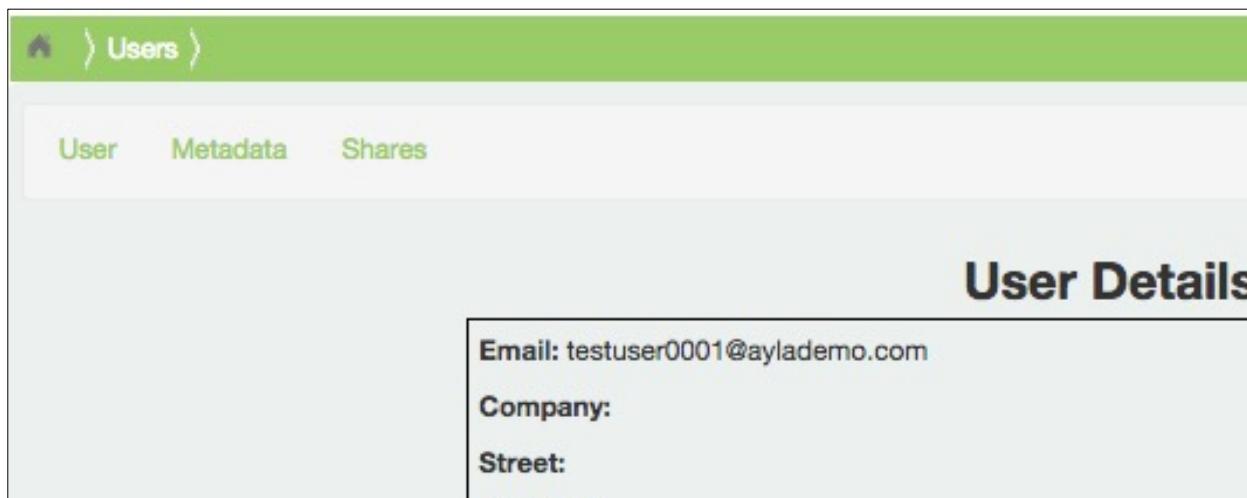
End User Details include the uses email, address, and phone.



**User Details**

Email: testuser0001@aylademo.com  
Company:  
Street:  
City: Delhi  
State:  
Zip:  
Country: India  
Phone:

End User Metadata is viewed by clicking Metadata at the top of the **User Details** view.



**User Details**

Email: testuser0001@aylademo.com  
Company:  
Street:

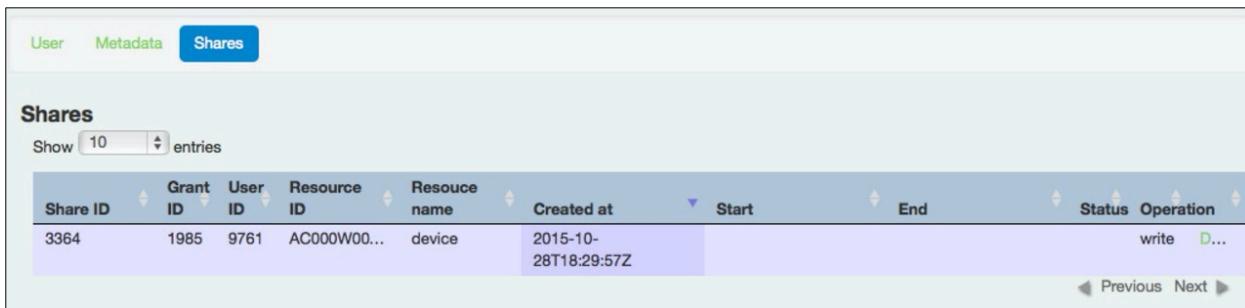
### End User Metadata view

User Meta Data shows the Key, Value, created at (date), and Updated at (date).



## End User Shares view

Clicking Shares opens the End Users Share view. This view includes the Share ID, Grant ID, User ID, Resource ID, Resource Name, Created at (date), Start (date), End (date), Status, and operation.

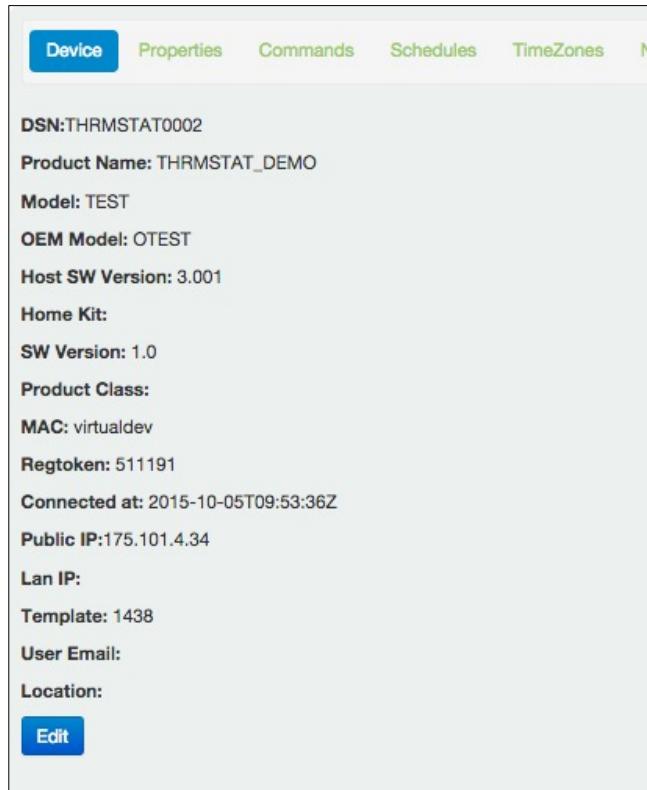


## End User Devices

Click on a device in the Devices column to open the details of the device.



First Name	Last Name	Email	Devices
Gopi	krishna	agopi@mail.com	THRMSSTAT0001
Gopi2	krishna2	gopi_user@mail.com	THRMSSTAT0002
Rocky	Marciano	testuser0001@aylademo.com	THRMSSTAT0003
Billie	Jean King	testuser0002@aylademo.com	THRMSSTAT0004
Bob	Bearmon	testuser0003@aylademo.com	THRMSSTAT0005
Bob	Mathias	testuser0004@aylademo.com	THRMSSTAT0006
Bill	Shoemaker	testuser0005@aylademo.com	THRMSSTAT0007
Roberto	Clemente	testuser0006@aylademo.com	THRMSSTAT0008
Mickey	Mantle	testuser0007@aylademo.com	THRMSSTAT0009
Julius	Erving	testuser0008@aylademo.com	THRMSSTAT0011
Joe	Montana	testuser0009@aylademo.com	THRMSSTAT0012
Cy	Young	testuser0011@aylademo.com	THRMSSTAT0013
Larry	Bird	testuser0012@aylademo.com	
O J	Simpson	testuser0013@aylademo.com	

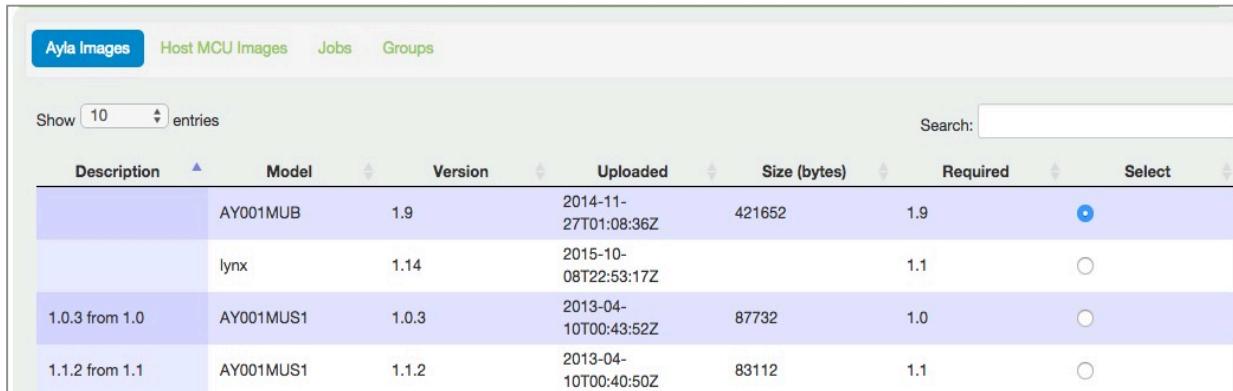


The **End Users Device** link in the Devices column opens the Device information. This is a ***direct link to the Devices view***.

For more information about this view, see the Devices section of this document beginning on page 28.

## OTA

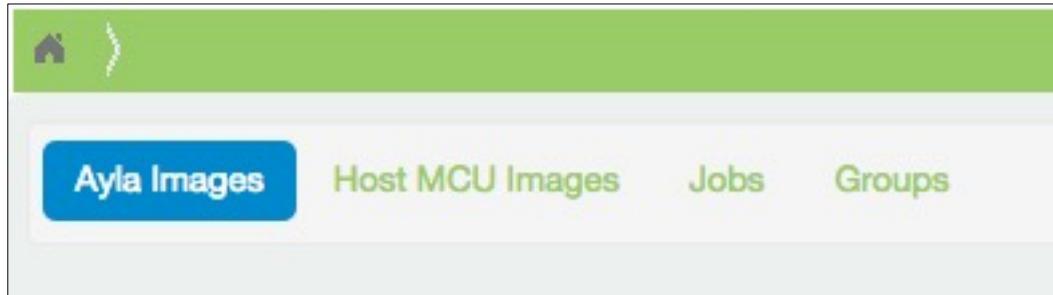
Clicking **OTA** in the navigation bar, shows a list **Ayla Images**, A list of **Host MCU Images**, and a list of **Jobs**.



Description	Model	Version	Uploaded	Size (bytes)	Required	Select
	AY001MUB	1.9	2014-11-27T01:08:36Z	421652	1.9	<input checked="" type="radio"/>
	lynx	1.14	2015-10-08T22:53:17Z		1.1	<input type="radio"/>
1.0.3 from 1.0	AY001MUS1	1.0.3	2013-04-10T00:43:52Z	87732	1.0	<input type="radio"/>
1.1.2 from 1.1	AY001MUS1	1.1.2	2013-04-10T00:40:50Z	83112	1.1	<input type="radio"/>

## How to update a Host Application

### Host OTA



### Prepare for the Host OTA

1. In the Ayla developer website (<https://developer.aylanetworks.com>) choose one of the following:
  - Clone an existing template and update the version of the template
  - OR -
  - Define a new template for your device.
2. In the new/updated template, define a template property that tracks the Host SW Version of the device. Check the flag “Host SW Version” for the property. Make sure that the property is **OEM** scope.
3. Update the **Host Application Software version** (oem\_host\_version) to the new version. This associates the new /updated template with the device.
4. If you have made any changes to the properties then update the **Host Application Software** as well.

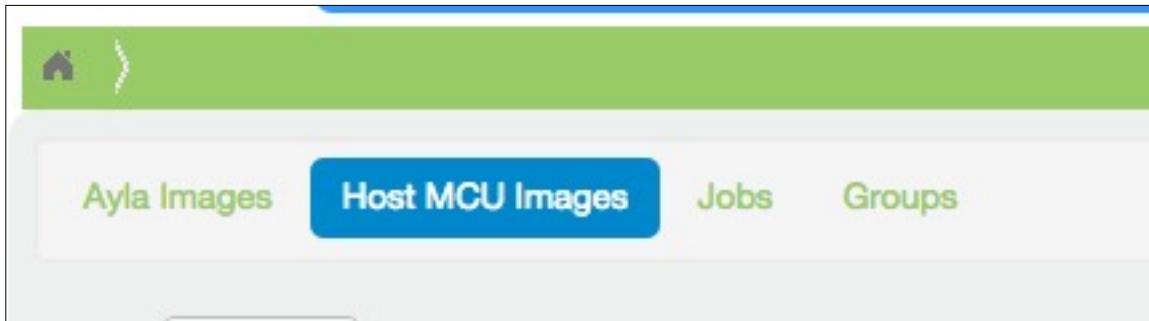
### **Perform the Host OTA**

In the Ayla PEM dashboard follow the steps below to perform the OTA.

1. In the OEM Dashboard, go to the **Devices** tab.
2. Create a group of devices based on the search criteria provided. The search criteria requirements are: an OEM model and enter the property name and values.
3. The property name corresponds to the one that you indicated as Host SW Version.
4. Click **Actions** to create the OTA group. You can also add it to an existing OTA group, if you want.
5. Click on the **OTA** menu, and go to the **Host MCU Images** tab. Choose an image for the OTA or add a new host image follow the directions below:
  - a. Click **Add**.
  - b. Complete the required information in the pop-up.
  - c. Click **Create**.
  - d. In the list of images, select the radio button for the image you want to deploy.
  - e. Click **Upload**.
  - f. Upload the image.
6. In the list of images, **Select** the radio button for the image you want to deploy.
7. In **Deploy to Group** choose the group to which the OTA must be pushed and click **Create Job**.
8. When you are ready to start the OTA push click **Start**.
9. You can observe the process and look at the progress of individual devices in the OTA group.

## Host MCU OTA

### Perform the MCU OTA



In the Ayla OEM dashboard follow the steps below to perform the MCU OTA.

1. In the OEM Dashboard, go to the **Devices** tab.
2. Create a group of devices based on the search criteria provided. The search criteria require a model.
3. Click **Actions** to create the OTA group. You can also add it to an existing OTA group, if you want.
4. Click on the **OTA** menu, and go to the **Host MCU Images** tab.
5. In the list of images, **Select** the radio button for the image you want to deploy.

**IMPORTANT!** *If you want to go to more than one version, you must include all releases from your current version to the version you want. For example if you want to go to version 3 and you are at version 1, you will go from version 1 to version 2 and then from version 2 to version 3 (1.0 -> 2.0 -> 3.0).*

6. In **Deploy to Group** choose the group to which the OTA must be pushed and click **Create Job**.
7. When you are ready to start the OTA push click **Start**.
8. You can observe the process and look at the progress of individual devices in the OTA group.

## OTA Update Deployment Best Practices

### Introduction

OTA is a solution to update images in both the Wi-Fi module and the product solution. This may be required due to necessary updates in the communications protocol, improvements in the transport or security service, or for product functionality improvements.

The Ayla OEM Dashboard allows you to perform OTA management tasks, such as create, update and track all OTA images (firmware updates) in developer and field environments. This is available for module software, application MCU, and Linux firmware updates. You can typically create a group of devices and then have OTA jobs for those groups.

### Best Practices

**Test on the Developer Environment** - Any new OTA firmware update needs to be tested in the developer environment.

**Ramp up on Field Environment** - Start with 5-10% of field devices with an OTA job, then wait until the job is complete and make sure all the devices, which are online, have successfully updated to new firmware version.

#### Complete Deployment on Field Environment

- Update all other field devices in blocks of 100-1000 devices.
- Make sure each job is successful for each OTA job.

## Glossary

### **Cloud templates**

Ayla Networks' predefined cloud templates that are designed to reduce the work requirement for a customer to create a product.

### **Developer portal**

Ayla's Developer Portal is used to setup, register developer kits and define the details of a product

### **Host MCU**

The product's MCU that communicates directly with Ayla enabled Wi-Fi module.

### **Properties**

Cloud defined values that when aggregated define what and how product features and functionality are experienced by the end user.

### **RBAC**

Role Based Access Control framework, which enables role-based access to users.

### **Wi-Fi Module**

A Wi-Fi module is a hardware component that has an MCU containing the Ayla agent and Wi-Fi component used to allow connectivity to Ayla's Cloud Services.