

Ayla OEM Dashboard User Manual



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Revision History

Revision	Date	Author	Change Description
1	2015/10/28	LBoling	Initial Document

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)

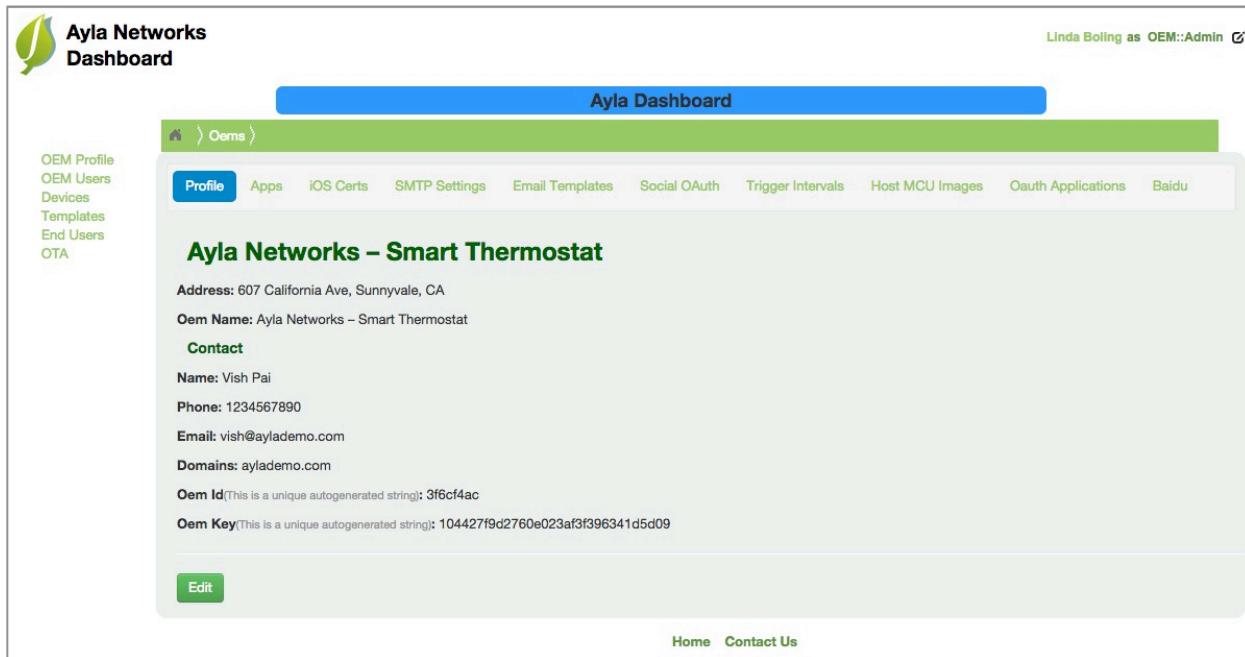
OEM Roles and Privileges (AY006URO)

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 interface. At the top, there is a navigation bar with the Ayla Networks logo, the title 'Ayla Dashboard', and a user status message 'Linda Boling as OEM::Admin'. Below the navigation bar is a secondary navigation bar with links: Profile (which is active), Apps, iOS Certs, SMTP Settings, Email Templates, Social OAuth, Trigger Intervals, Host MCU Images, OAuth Applications, and Baidu. The main content area is titled 'Ayla Networks – Smart Thermostat'. It displays the following information:

- Address:** 607 California Ave, Sunnyvale, CA
- Oem Name:** Ayla Networks – Smart Thermostat
- Contact** (Section)
 - Name:** Vish Pai
 - Phone:** 1234567890
 - Email:** vish@aylademo.com
 - Domains:** aylademo.com
- Oem Id** (This is a unique autogenerated string): 3f6cf4ac
- Oem Key** (This is a unique autogenerated string): 104427f9d2760e023af3f396341d5d09

At the bottom of the content area is a green 'Edit' button. At the very bottom of the page are links for 'Home' and '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 'Sign in' page of the Ayla OEM Dashboard. The page has a title 'Sign in' at the top. It contains two input fields: 'email' with the value 'user@smartplug.com' and 'password' with a yellow redacted value. Below the password field is a 'Sign in' button. At the bottom of the page, there are links for 'Sign up', 'Forgot your password?', and 'Didn't receive confirmation instructions?'. At the very bottom are links for 'Home', 'Sign in', and 'Contact Us'.

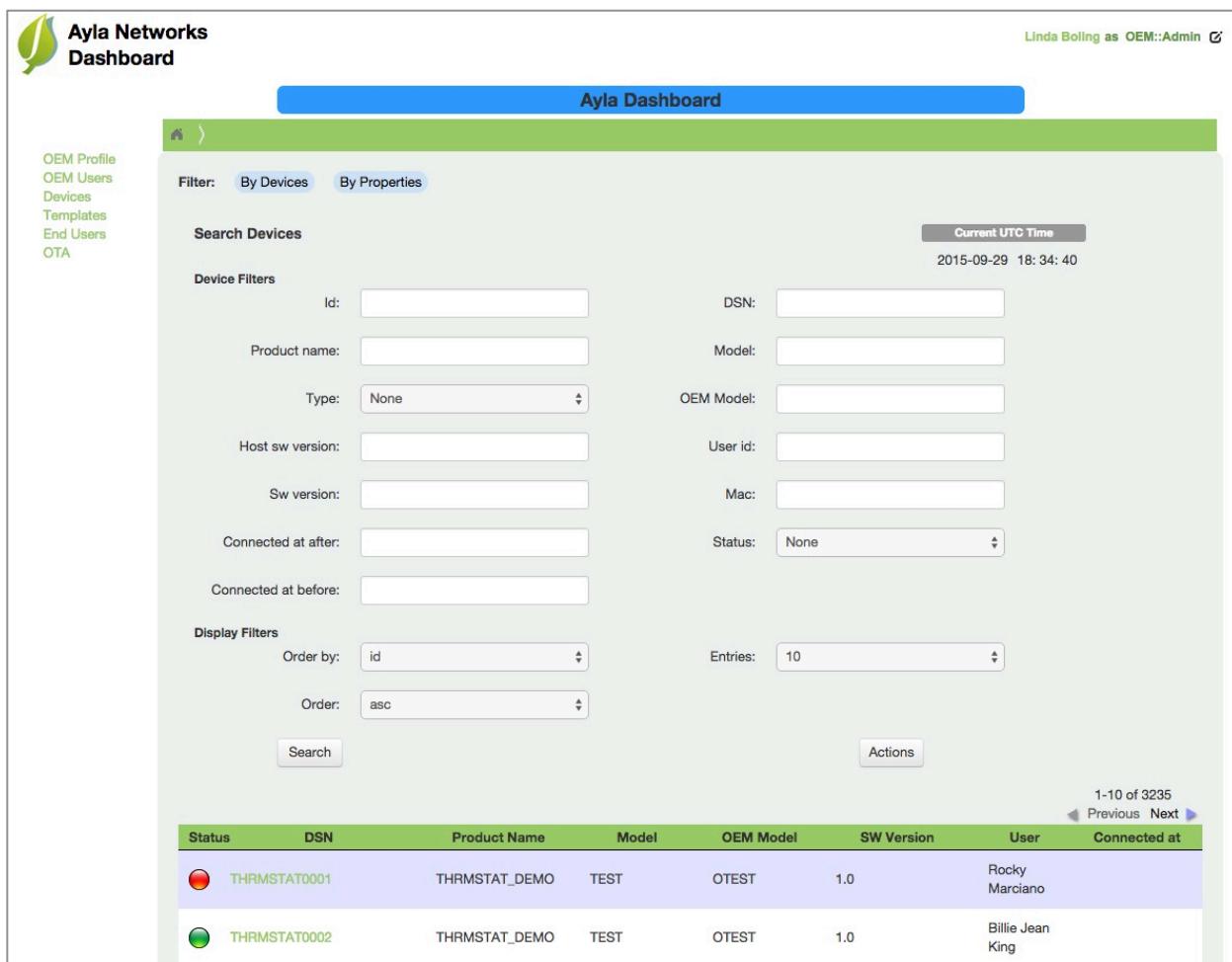
The Ayla OEM Dashboard Interface

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.



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

- Top Bar:** Shows the Ayla Networks logo, the title "Ayla Dashboard", and the user "Linda Boiling as OEM::Admin".
- Left Sidebar:** A vertical menu with links: OEM Profile, OEM Users, Devices, Templates, End Users, and OTA.
- Header:** "Ayla Dashboard" with a search icon.
- Search and Filter Section:**
 - Filter buttons: "By Devices" (selected) and "By Properties".
 - Search Devices section with "Current UTC Time" (2015-09-29 18:34:40).
 - Device Filters: Id, DSN, Product name, Model, Type (None), OEM Model, Host sw version, User id, Sw version, Mac, Connected at after, Status (None), and Connected at before.
 - Display Filters: Order by (id, asc), Entries (10), and Order (asc).
- Actions:** Buttons for "Search" and "Actions".
- Table:** A list of devices with the following data:

Status	DSN	Product Name	Model	OEM Model	SW Version	User	Connected at
●	THRMSSTAT0001	THRMSSTAT_DEMO	TEST	OTEST	1.0	Rocky Marciano	2015-09-29 18:34:40
●	THRMSSTAT0002	THRMSSTAT_DEMO	TEST	OTEST	1.0	Billie Jean King	2015-09-29 18:34:40

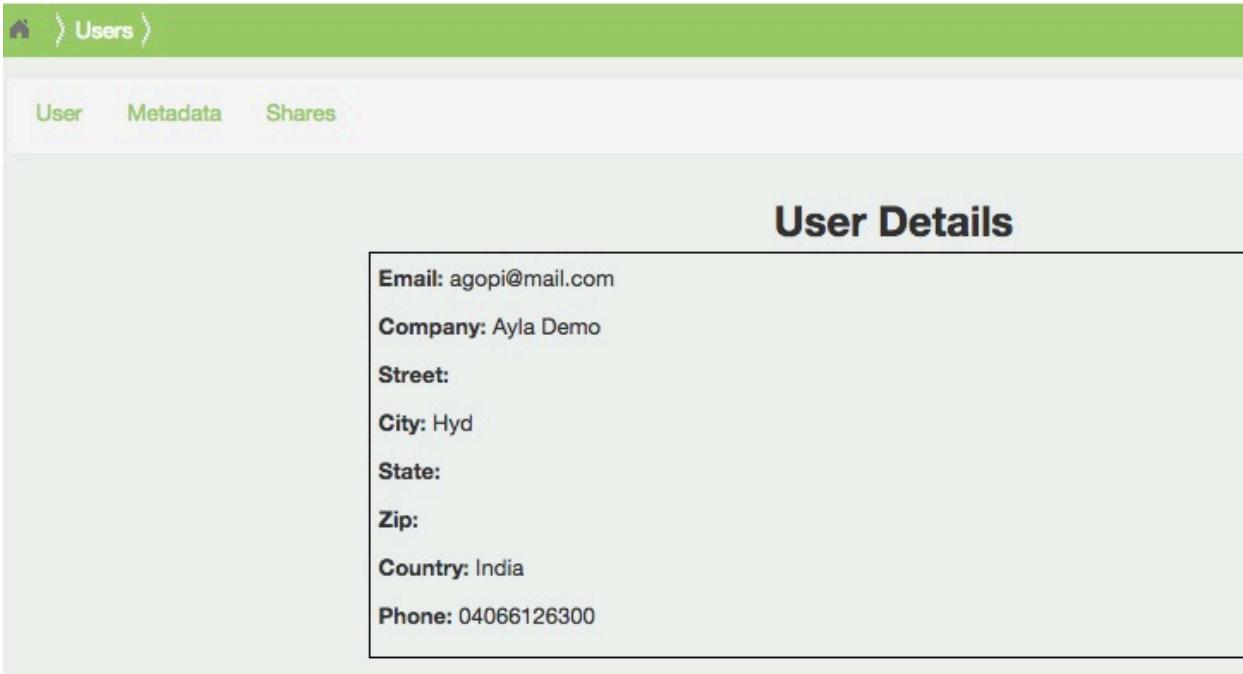
Each view has different related links within the chosen view. For example, the OEM Profile has the following links:



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.



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:



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

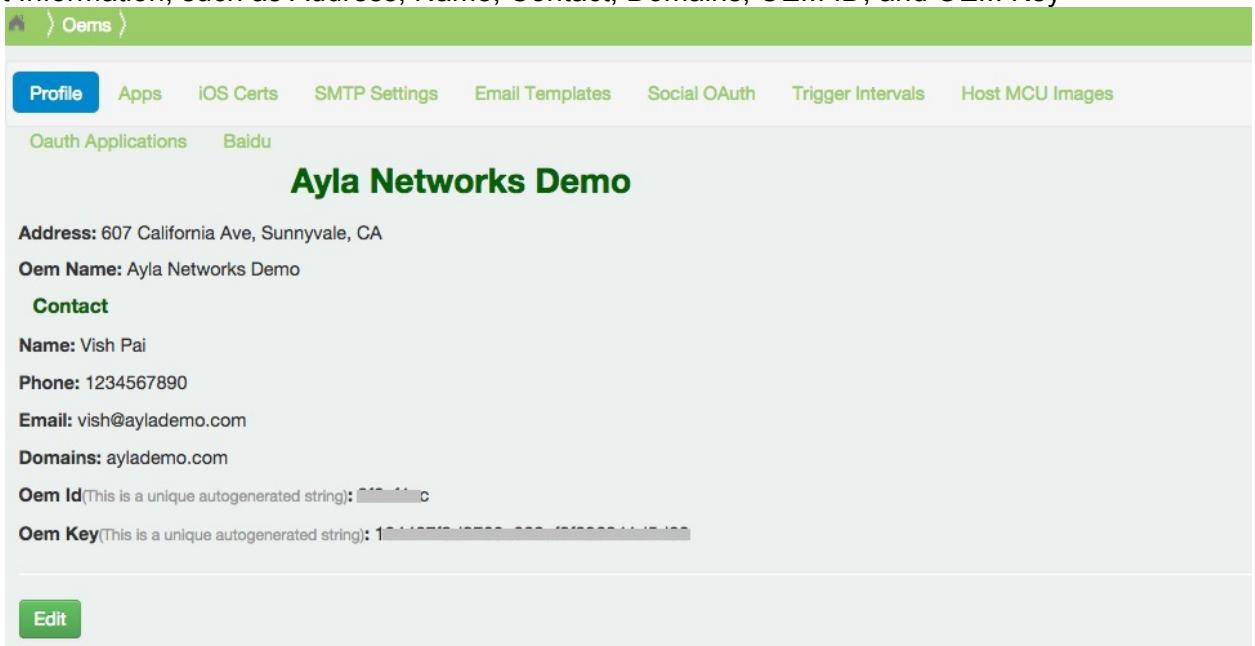
Click on OEM Profile from the navigation bar to access the following views:

- 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



The screenshot shows the 'Profile' view for an OEM named 'Ayla Networks Demo'. The top navigation bar includes links for Profile, Apps, iOS Certs, SMTP Settings, Email Templates, Social OAuth, Trigger Intervals, Host MCU Images, OAuth Applications, and Baidu. The main content area displays the OEM's address (607 California Ave, Sunnyvale, CA), name (Ayla Networks Demo), contact information (Name: Vish Pai, Phone: 1234567890, Email: vish@aylademo.com), domains (aylademo.com), and unique identifiers (Oem Id: 5678-111c, Oem Key: 12345678-111c). A green 'Edit' button is located at the bottom left of the form.

How to Edit a Profile

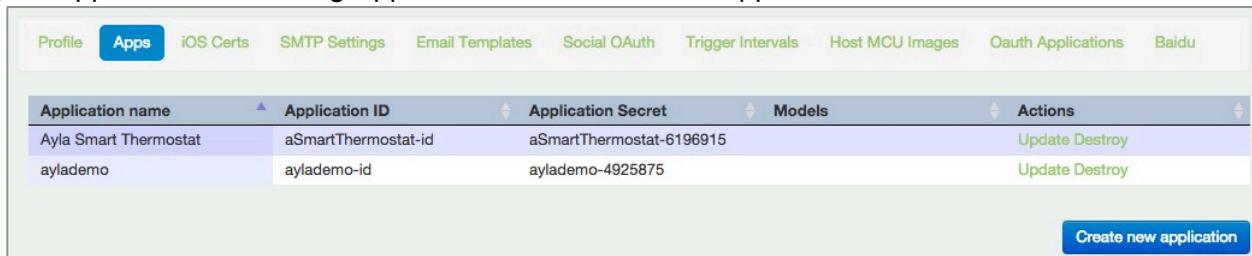
1. Click the **Edit** button.
Update OEM view opens.
2. Update the **Profile**.
3. Click the **Save** button.

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 Delete
	Add
Oem Id <small>(This is a unique autogenerated string):</small> 0f0c11a2	
Oem Key <small>(This is a unique autogenerated string):</small> 1c112713d2700e020a0f000011d5d09	
Save	

Apps

List of your applications, including Application ID, Models, and Application Secret.

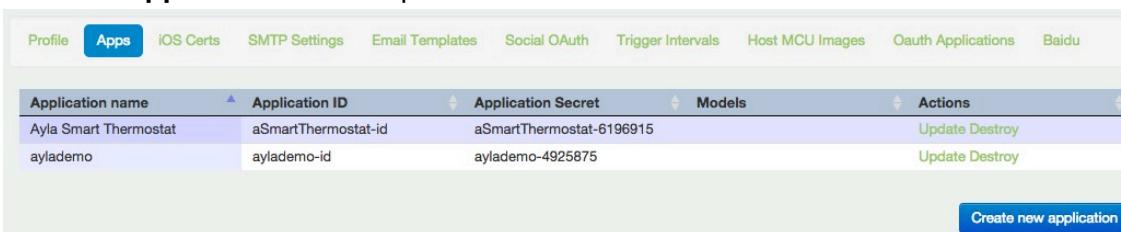


Application name	Application ID	Application Secret	Models	Actions
Ayla Smart Thermostat	aSmartThermostat-id	aSmartThermostat-6196915		Update Destroy
aylademo	aylademo-id	aylademo-4925875		Update Destroy

[Create new application](#)

How to create an application

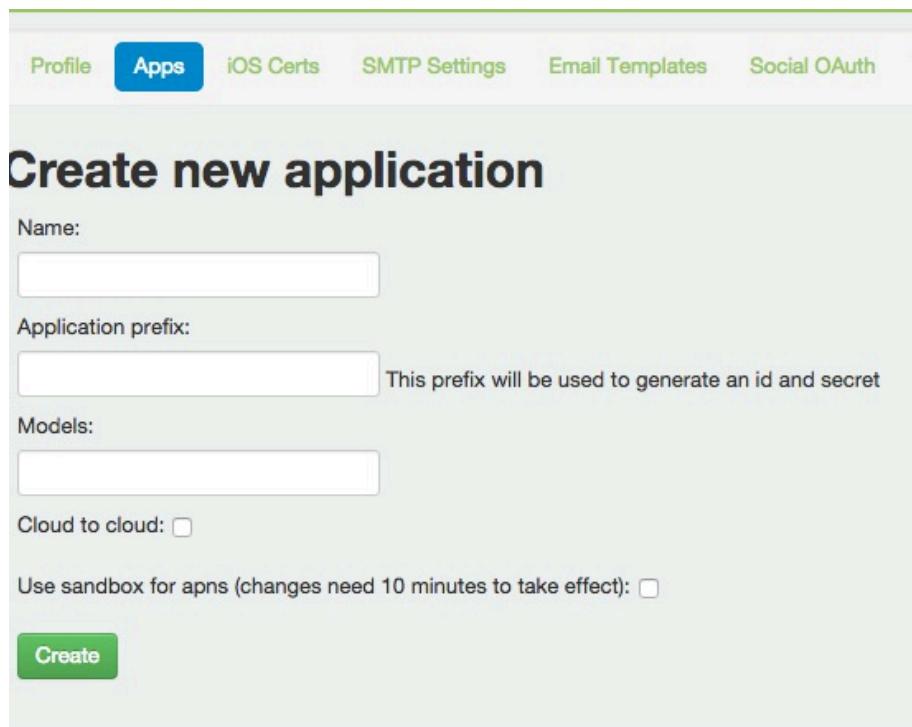
1. Click the **Apps** button at the top of the OEM Profile menu.



Application name	Application ID	Application Secret	Models	Actions
Ayla Smart Thermostat	aSmartThermostat-id	aSmartThermostat-6196915		Update Destroy
aylademo	aylademo-id	aylademo-4925875		Update Destroy

[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](#)

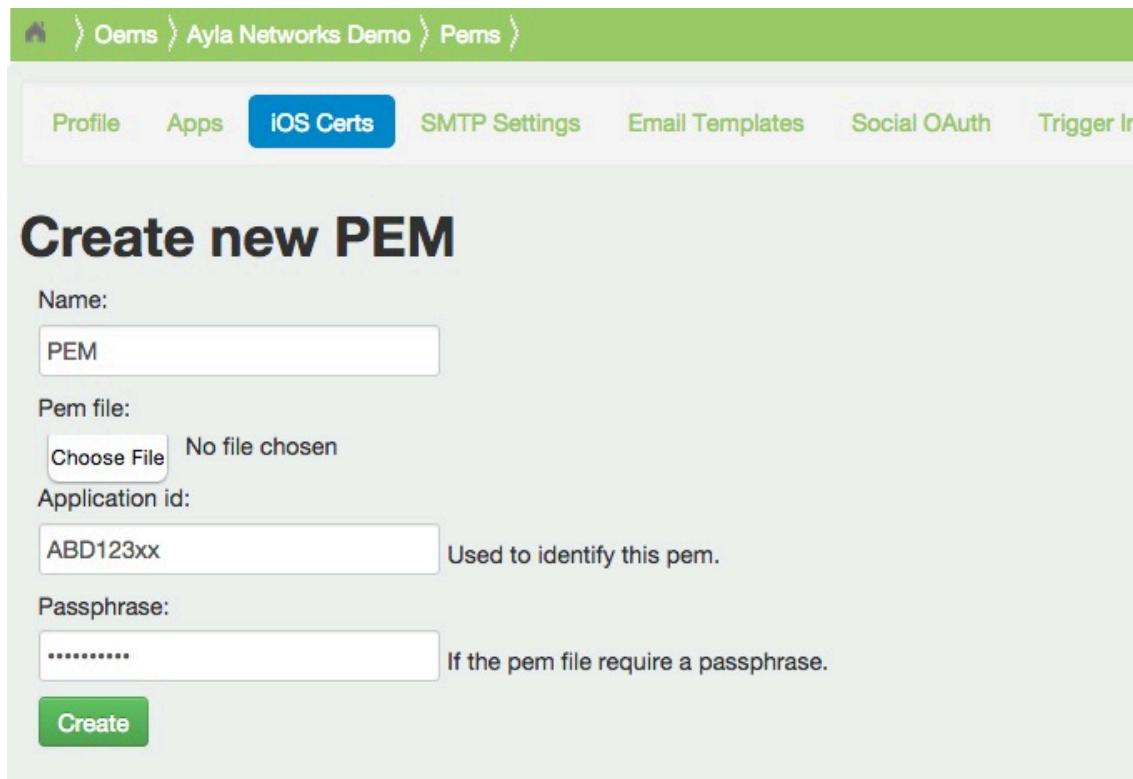
iOS Certs

A list of Pem name and the Application ID and Actions for iOS Certs.



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.



Name:

Pem file: No file chosen

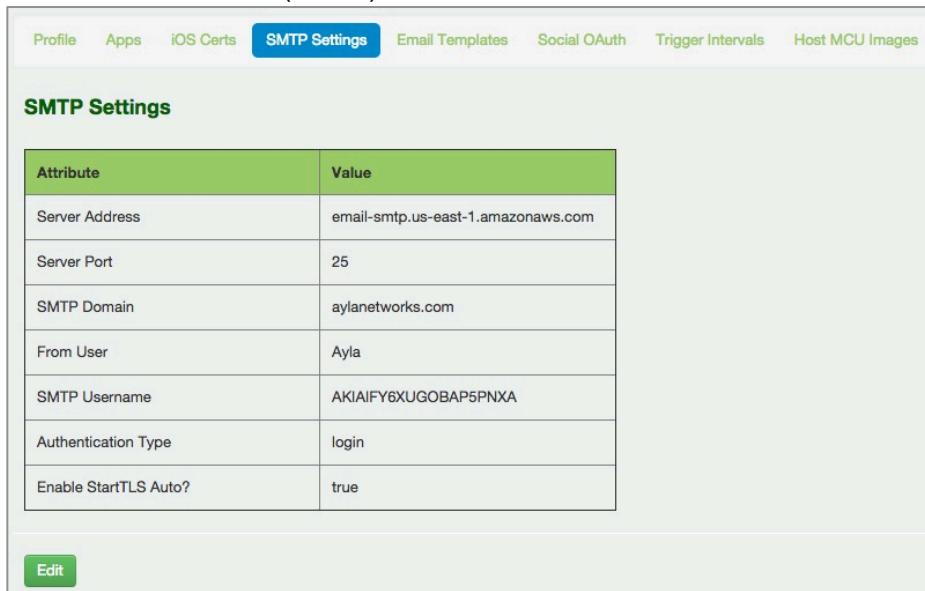
Application id: Used to identify this pem.

Passphrase: If the pem file require a passphrase.

Create

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	AKIAIFY6XUGOBAP5PNXA
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

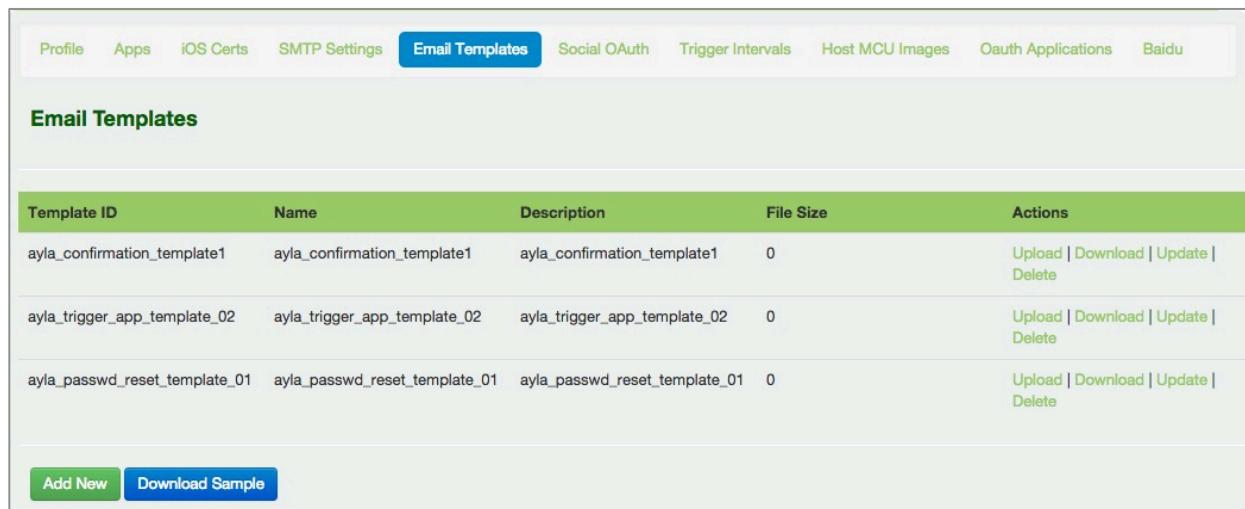
SMTP Authentication

SMTP Enable Start TLS Auto

Save **Cancel**

Email Templates

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	Upload Download Update Delete
ayla_trigger_app_template_02	ayla_trigger_app_template_02	ayla_trigger_app_template_02	0	Upload Download Update Delete
ayla_passwd_reset_template_01	ayla_passwd_reset_template_01	ayla_passwd_reset_template_01	0	Upload Download Update Delete

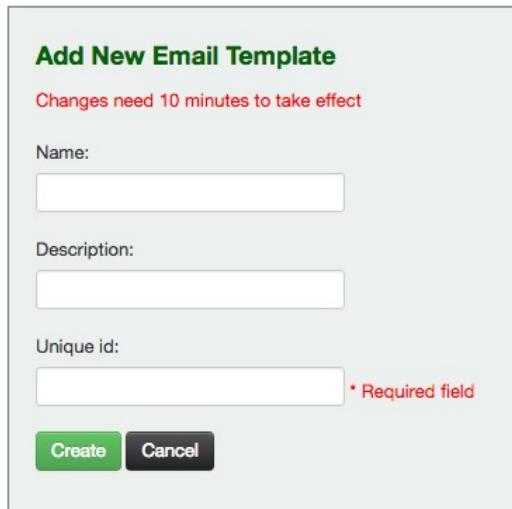
[Add New](#) [Download Sample](#)

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	Destroy

[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:

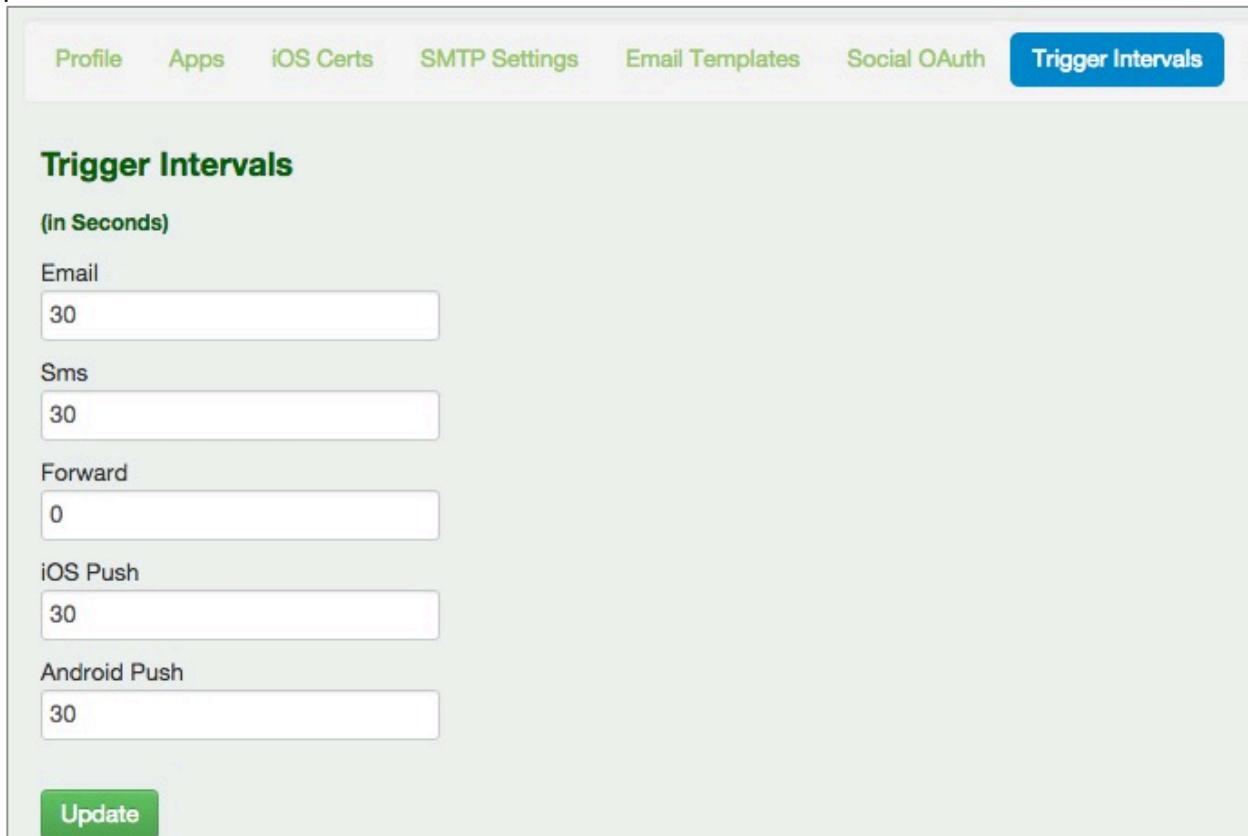
Client id:

Client secret:

Create

Trigger Intervals

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

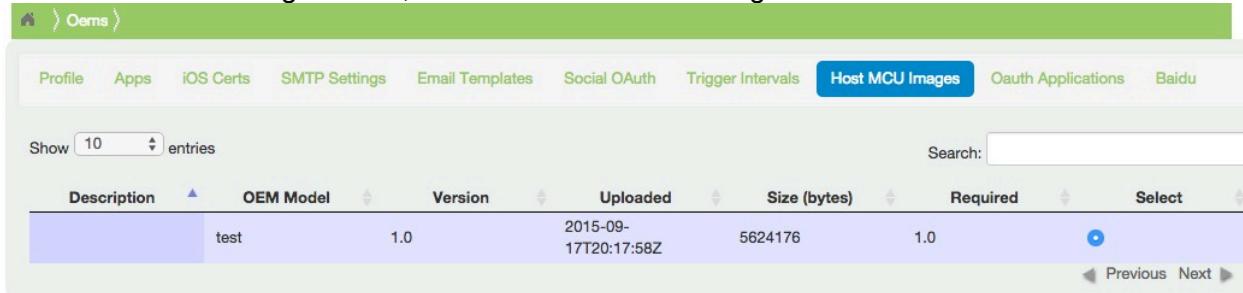
Update

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

List of Host MCU Images. Also, search for Host MCU Images.



Show 10 entries

Search:

Description	OEM Model	Version	Uploaded	Size (bytes)	Required	Select
test	1.0	2015-09-17T20:17:58Z	5624176	1.0		

Previous Next

Oauth Application

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

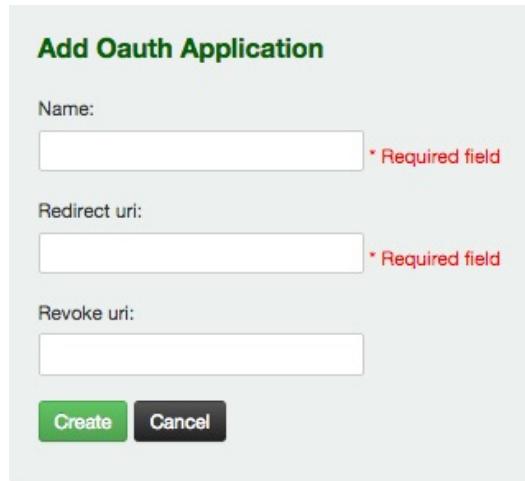
Oauth Applications

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-

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

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"/>	Destroy
Vish	Pai	vish@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
Shubha	Rao	shubha@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
rammohan	b	rammohan@aylademo...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
murali	krishna	murali@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
gopi	krishna	gopi@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
Calvin	Sellwood	calvin@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy
Rachel	Zhang	rachel@aylademo.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Destroy

◀ 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 *:
5102234659

Role *:
EndUser

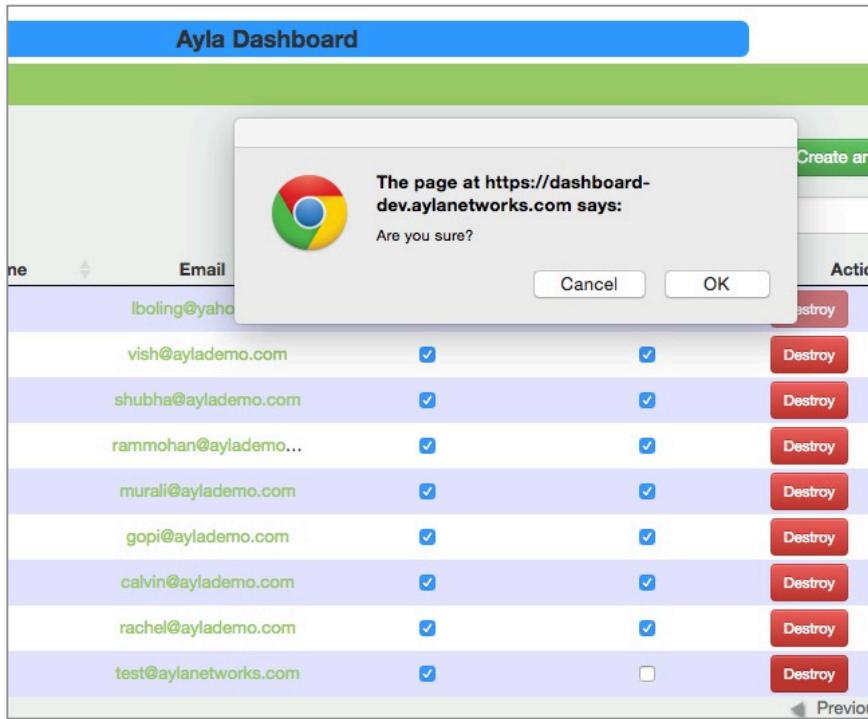
Have an Ayla Dev Kit

Ayla Dev Kit #

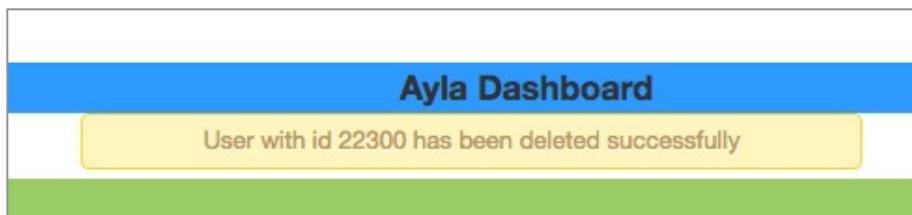
[Home](#) [Contact Us](#)

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.



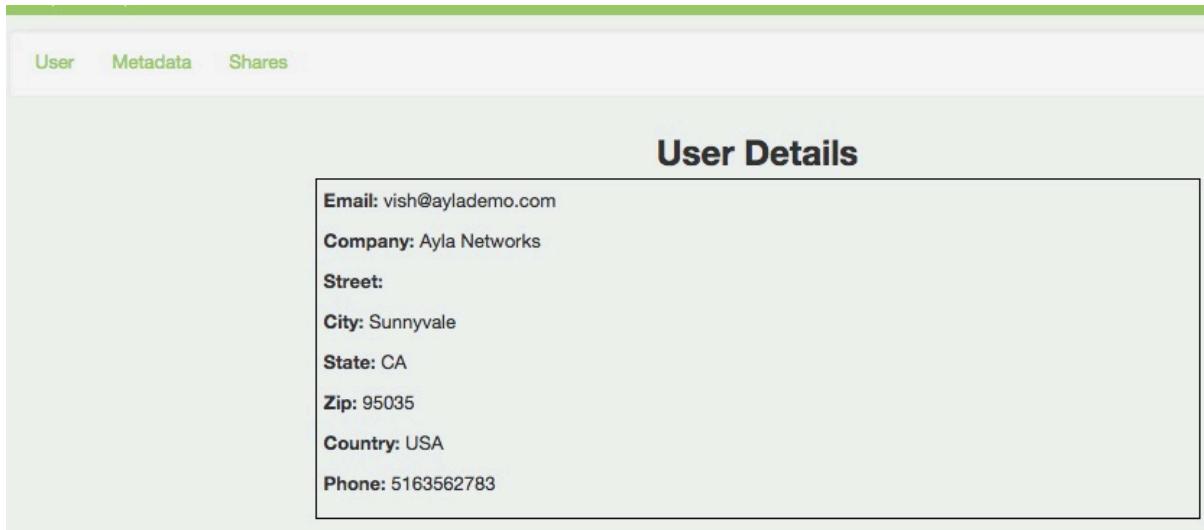
A verification message is shown:



How to get OEM User details

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

User Details



User Details

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 *:
Vish

Lastname *:
Pai

Email *:
vish@aylademo.com

Company *:
Ayla Networks

Street:
[empty input field]

City *:
Sunnyvale

Country code *:
None

Phone *:
5163562783

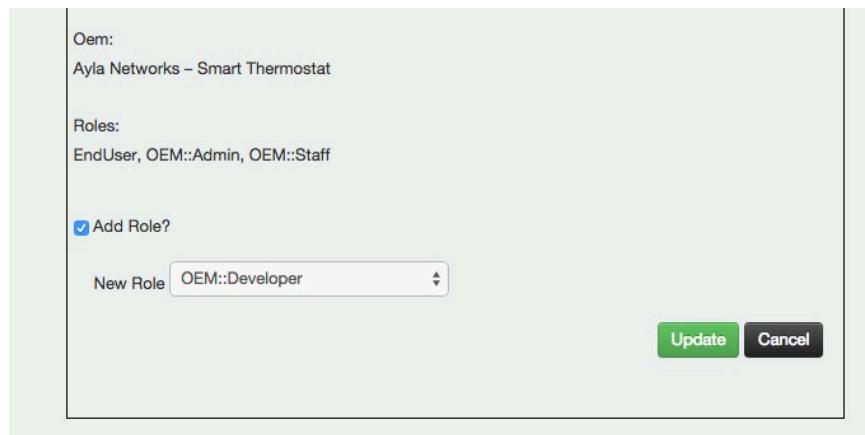
Oem:
Ayla Networks – Smart Thermostat

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

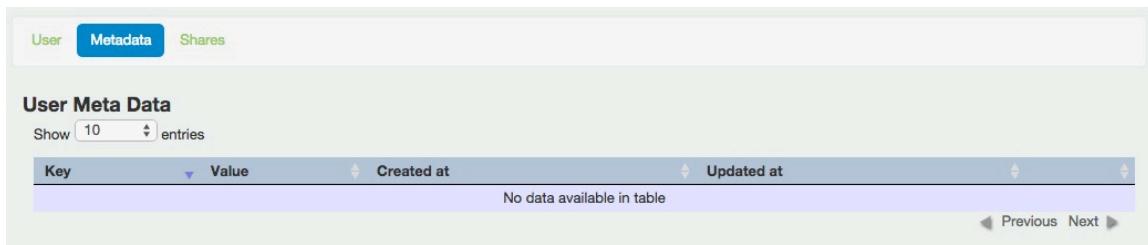
Update **Cancel**

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

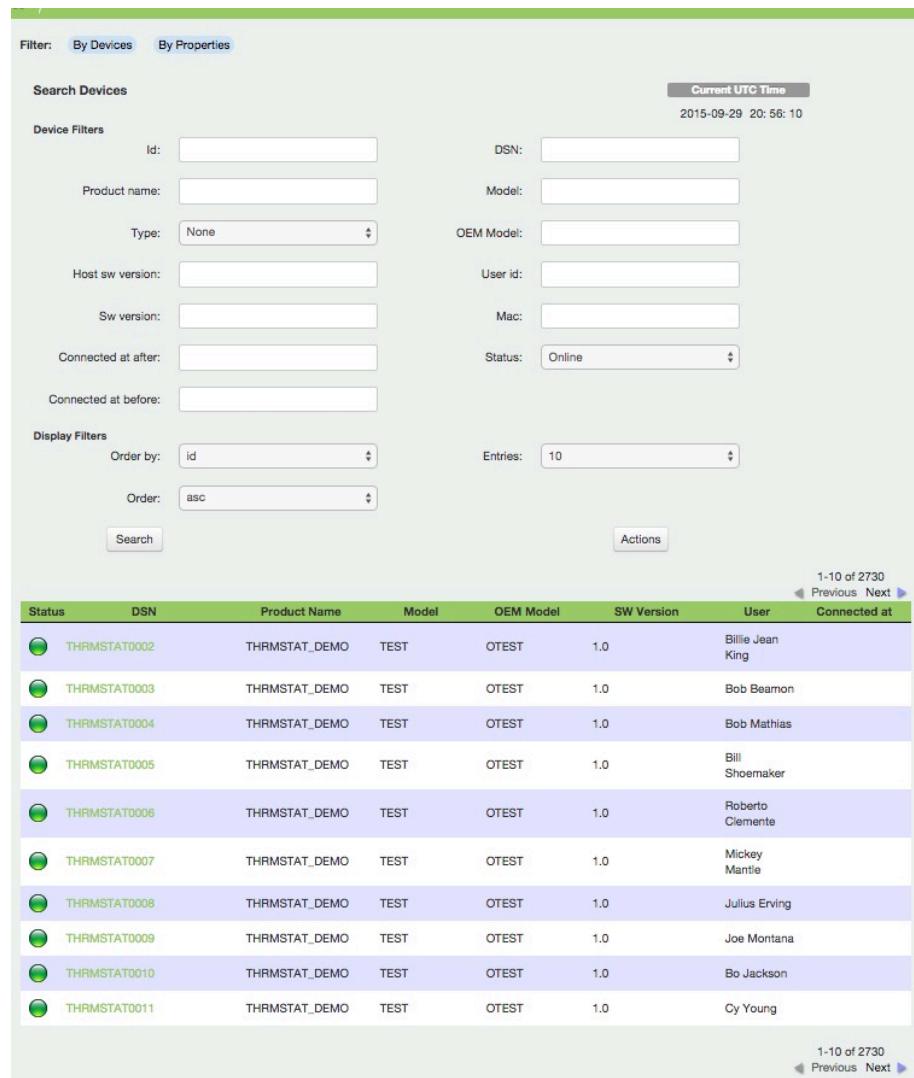
Show 10 entries

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	2015-09-29 20:56:10
●	THRMSTAT0003	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Beamon	2015-09-29 20:56:10
●	THRMSTAT0004	THRMSTAT_DEMO	TEST	OTEST	1.0	Bob Mathias	2015-09-29 20:56:10
●	THRMSTAT0005	THRMSTAT_DEMO	TEST	OTEST	1.0	Bill Shoemaker	2015-09-29 20:56:10
●	THRMSTAT0006	THRMSTAT_DEMO	TEST	OTEST	1.0	Roberto Clemente	2015-09-29 20:56:10
●	THRMSTAT0007	THRMSTAT_DEMO	TEST	OTEST	1.0	Mickey Mantle	2015-09-29 20:56:10
●	THRMSTAT0008	THRMSTAT_DEMO	TEST	OTEST	1.0	Julius Erving	2015-09-29 20:56:10
●	THRMSTAT0009	THRMSTAT_DEMO	TEST	OTEST	1.0	Joe Montana	2015-09-29 20:56:10
●	THRMSTAT0010	THRMSTAT_DEMO	TEST	OTEST	1.0	Bo Jackson	2015-09-29 20:56:10
●	THRMSTAT0011	THRMSTAT_DEMO	TEST	OTEST	1.0	Cy Young	2015-09-29 20:56:10

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

Current UTC Time
2015-09-30 16: 28: 19

Device Filters

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

Display Filters

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

Current UTC Time
2015-09-30 16: 40: 34

Device Filters

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

Display Filters

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

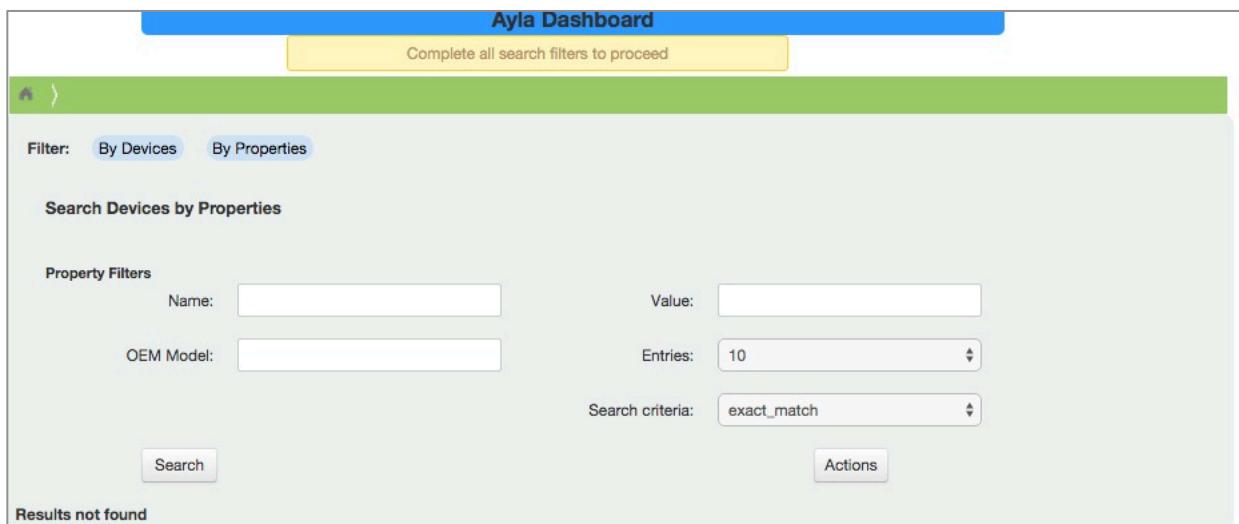
1-10 of 3260

Status	DSN	Product Name	Model	OEM Model	SW Version	User	Connected at
● THRMSSTAT0001	THRMSSTAT_DEMO	TEST	OTEST	1.0		Rocky Marciano	
● THRMSSTAT0002	THRMSSTAT_DEMO	TEST	OTEST	1.0		Billie Jean King	
● THRMSSTAT0003	THRMSSTAT_DEMO	TEST	OTEST	1.0		Bob Beaman	
● THRMSSTAT0004	THRMSSTAT_DEMO	TEST	OTEST	1.0		Bob Mathias	
● THRMSSTAT0005	THRMSSTAT_DEMO	TEST	OTEST	1.0		Bill Shoemaker	
● THRMSSTAT0006	THRMSSTAT_DEMO	TEST	OTEST	1.0		Roberto Clemente	
● THRMSSTAT0007	THRMSSTAT_DEMO	TEST	OTEST	1.0		Mickey Mantle	
● THRMSSTAT0008	THRMSSTAT_DEMO	TEST	OTEST	1.0		Julius Erving	
● THRMSSTAT0009	THRMSSTAT_DEMO	TEST	OTEST	1.0		Joe Montana	
● THRMSSTAT0010	THRMSSTAT_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

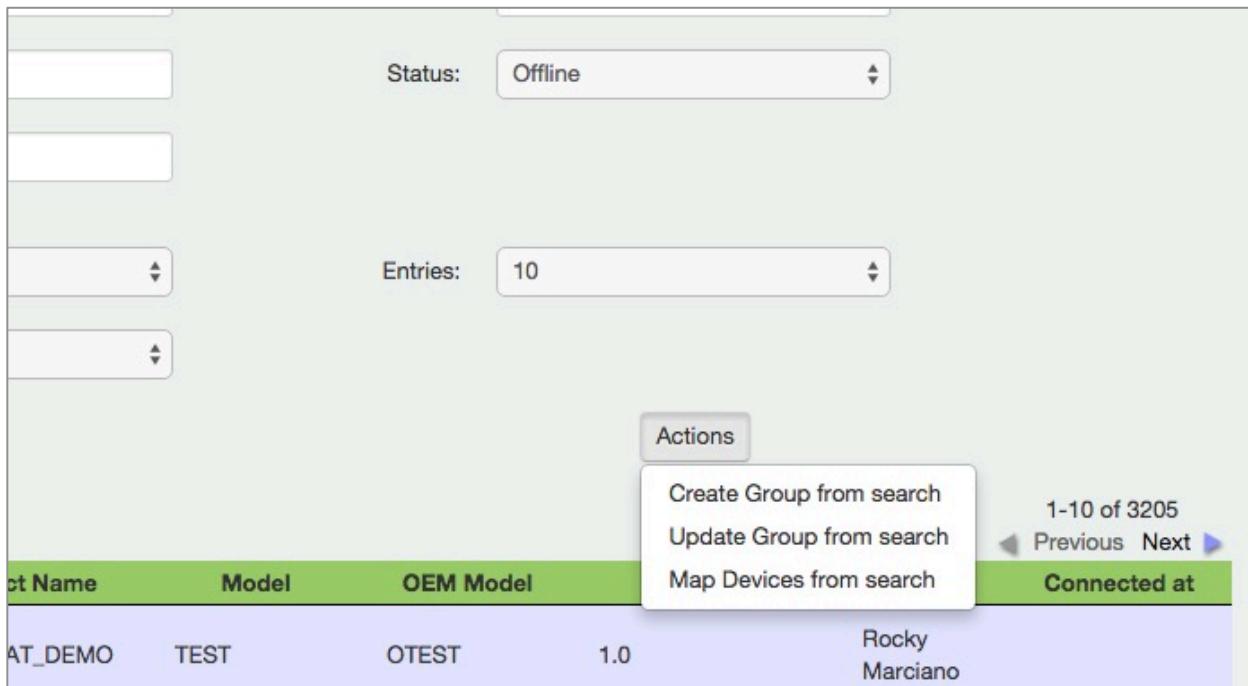
Results not found

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

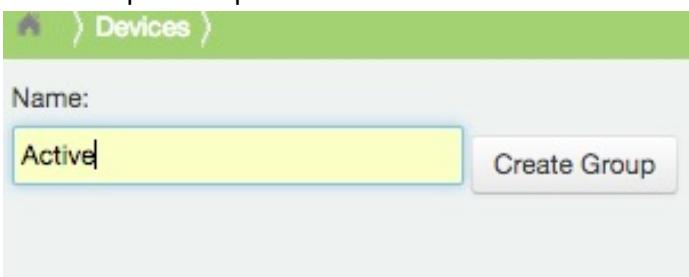
The Actions button in the Filter section of the initial Devices view provides the following:

- 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
THRSTAT_DEMO	THRSTAT0001	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0002	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0003	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0004	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0005	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0006	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0007	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0008	TEST	OTEST	1.0	
THRSTAT_DEMO	THRSTAT0009	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"/>
Add Devices			

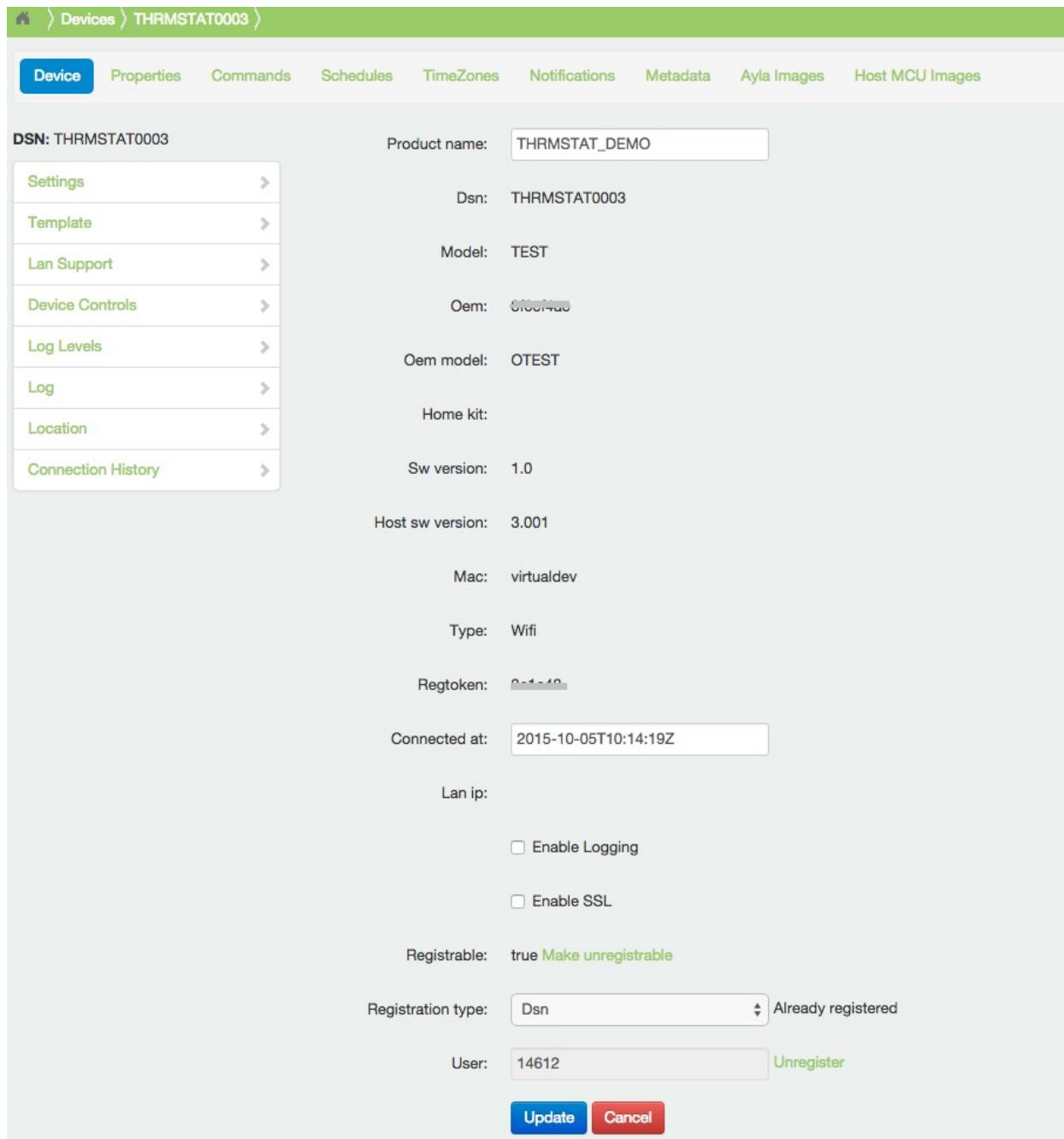
Device Information

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: THRMSSTAT0003

Product name: THRMSSTAT_DEMO

Dsn: THRMSSTAT0003

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

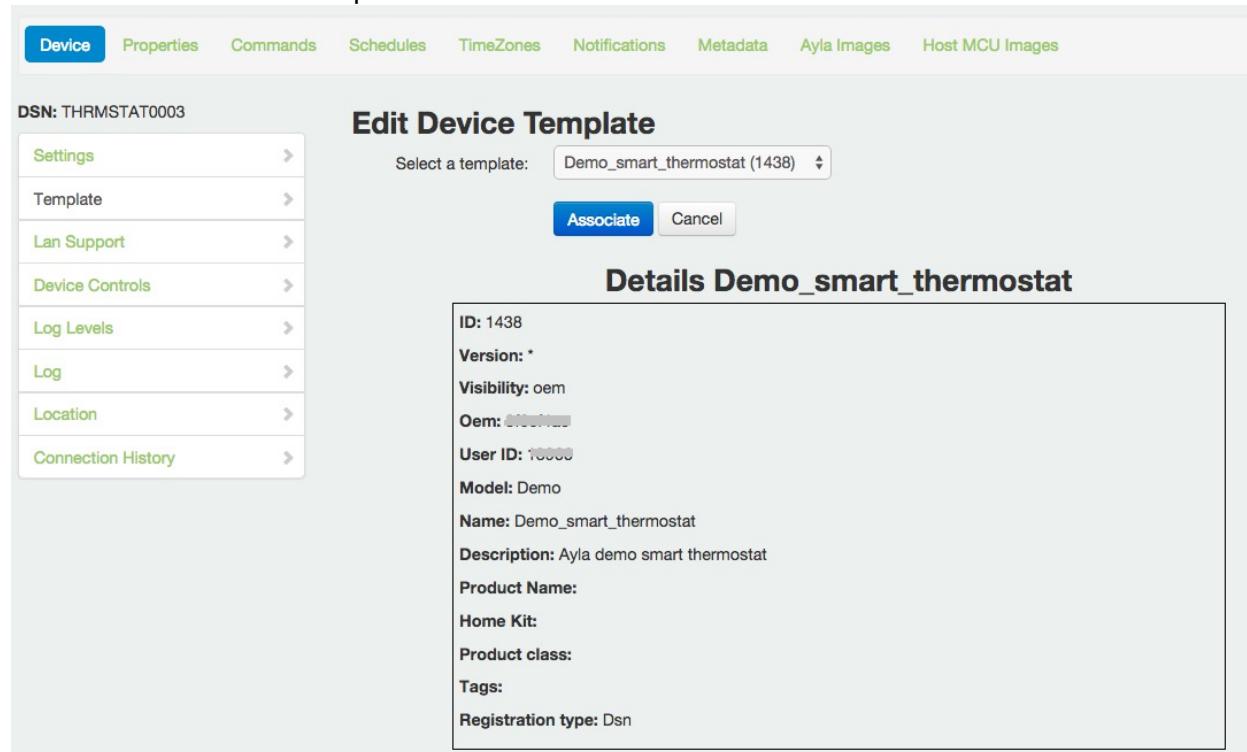
Settings	Product name: <input type="text" value="THRMSTAT_DEMO"/>
Template	Dsn: THRMSTAT0002
Lan Support	Model: TEST
Device Controls	Oem: 3f6cf4ac
Log Levels	Oem model: OTEST
Log	Home kit:
Location	Sw version: 1.0
Connection History	Host sw version: 3.001
	Mac: virtualdev
	Type: Wifi
	Regtoken: 6cde67
	Connected at: <input type="text"/>
	Lan ip: <input type="text"/>
	<input type="checkbox"/> Enable Logging
	<input type="checkbox"/> Enable SSL
	Registrable: true Make unregisterable
	Registration type: <input type="text" value="Dsn"/> Already registered
	User: <input type="text" value="14611"/> Unregister
	Update Cancel

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

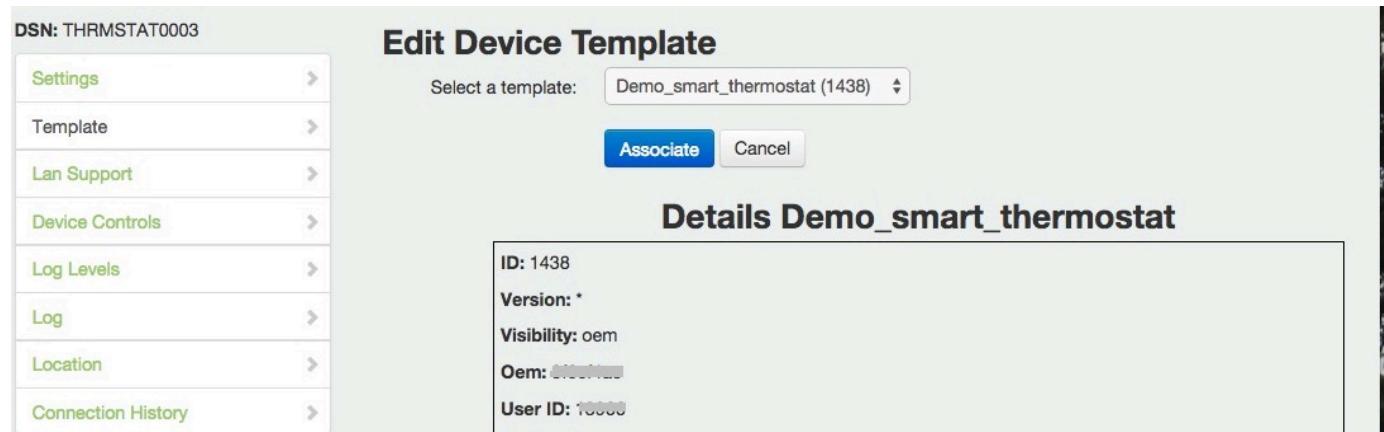
Select a template: Demo_smart_thermostat (1438)

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

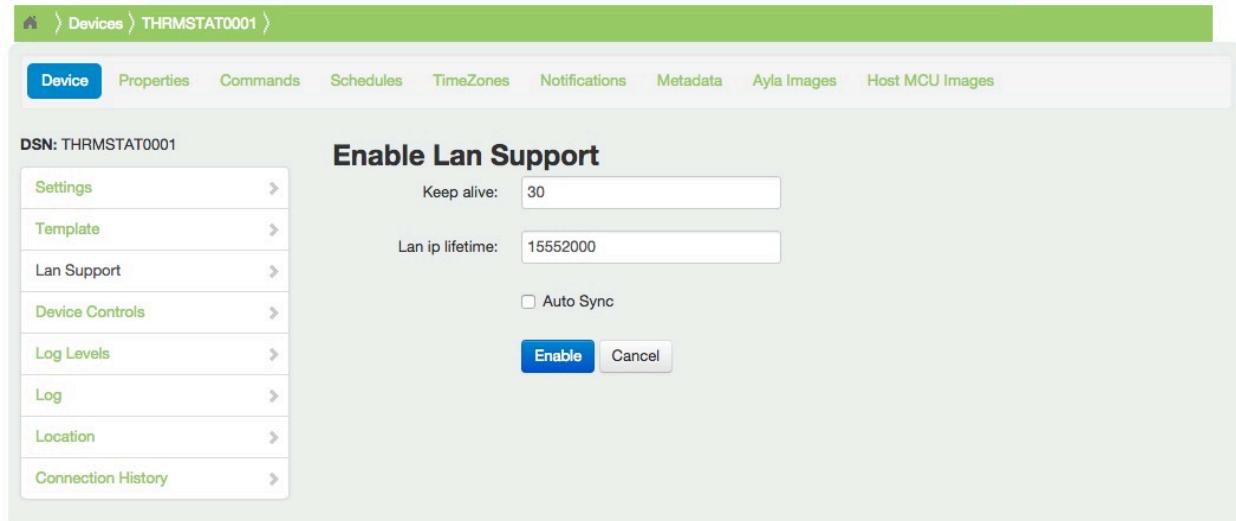
Edit Device Template

Select a template: Demo_smart_thermostat (1438)

Details Demo_smart_thermostat

ID: 1438
 Version: *
 Visibility: oem
 Oem: 00000000
 User ID: 10000

Lan Support

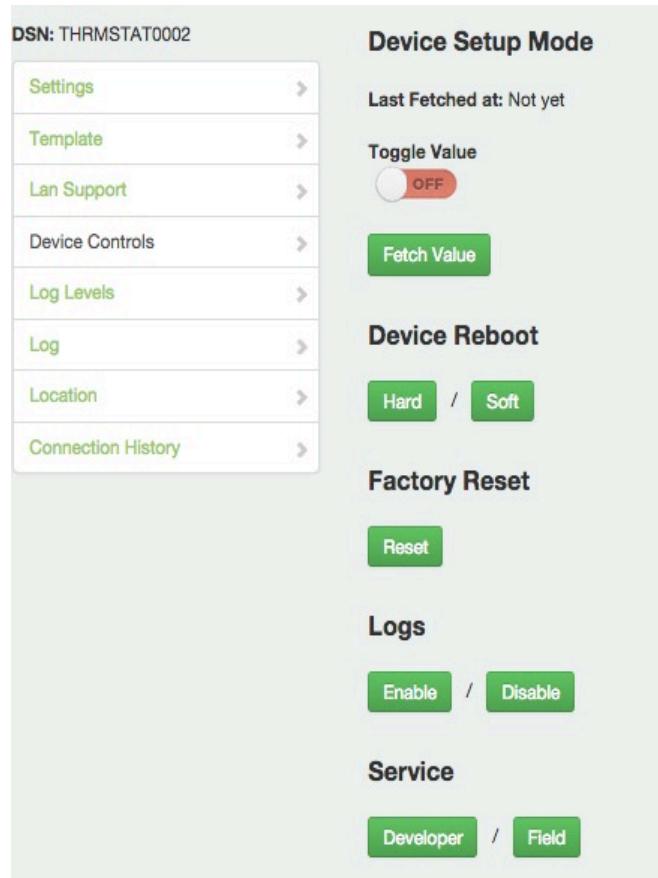


The screenshot shows the 'Enable Lan Support' configuration page for a device with DSN: THRMSTAT0001. The left sidebar lists various device settings. The main form contains fields for 'Keep alive' (set to 30), 'Lan ip lifetime' (set to 15552000), and an 'Auto Sync' checkbox. At the bottom are 'Enable' and 'Cancel' buttons.

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

Device Controls

Log Levels

Log

Location

Connection History

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

Source:

Severity:

Lines:

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

Device time:

Since:

Until:

Server time:

Since:

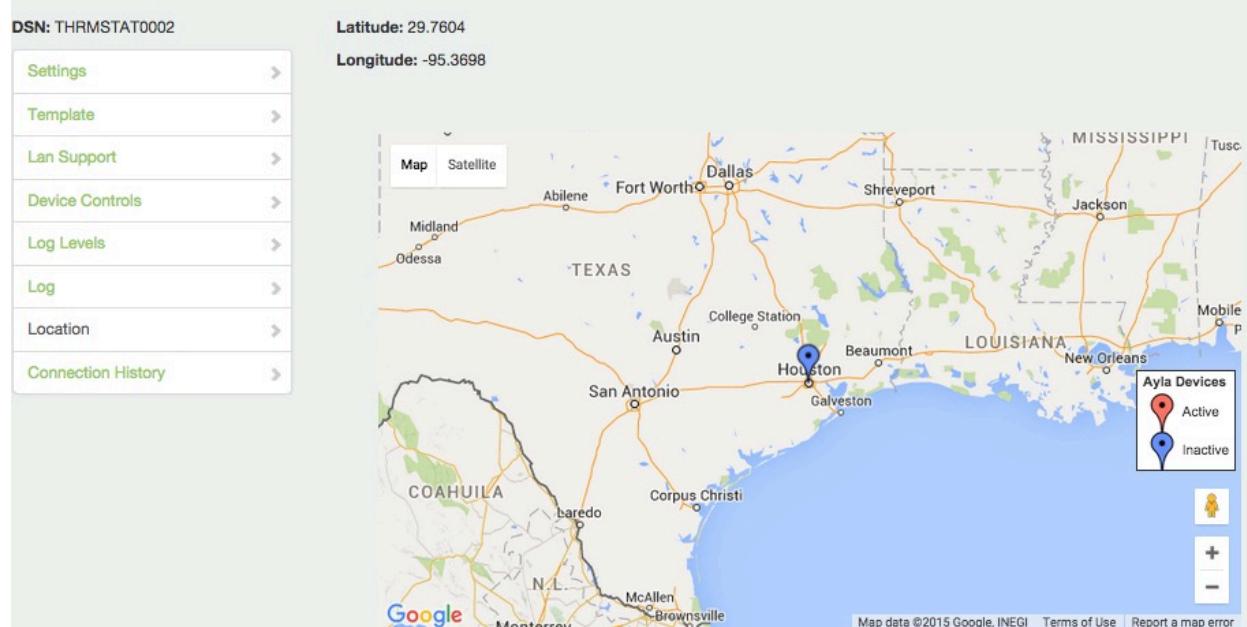
Until:

Log

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: THRMSTAT0002

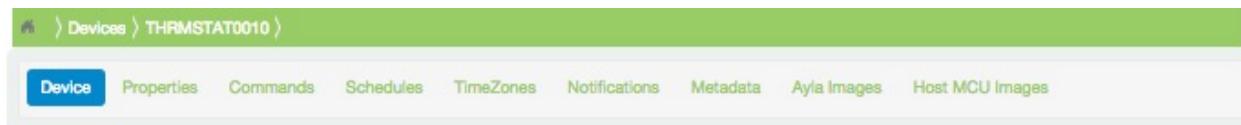
Show 10 entries

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

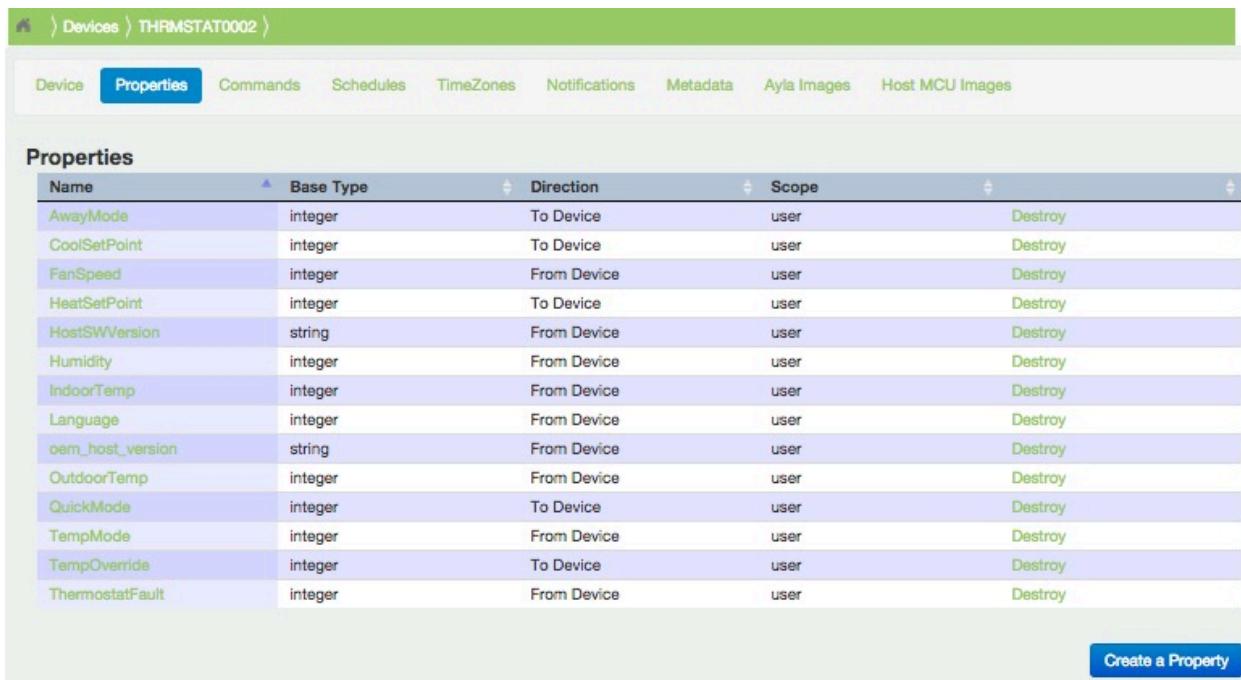
◀ Previous Next ▶

Devices additional views



Properties

View and Create Properties.



Name	Base Type	Direction	Scope
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:

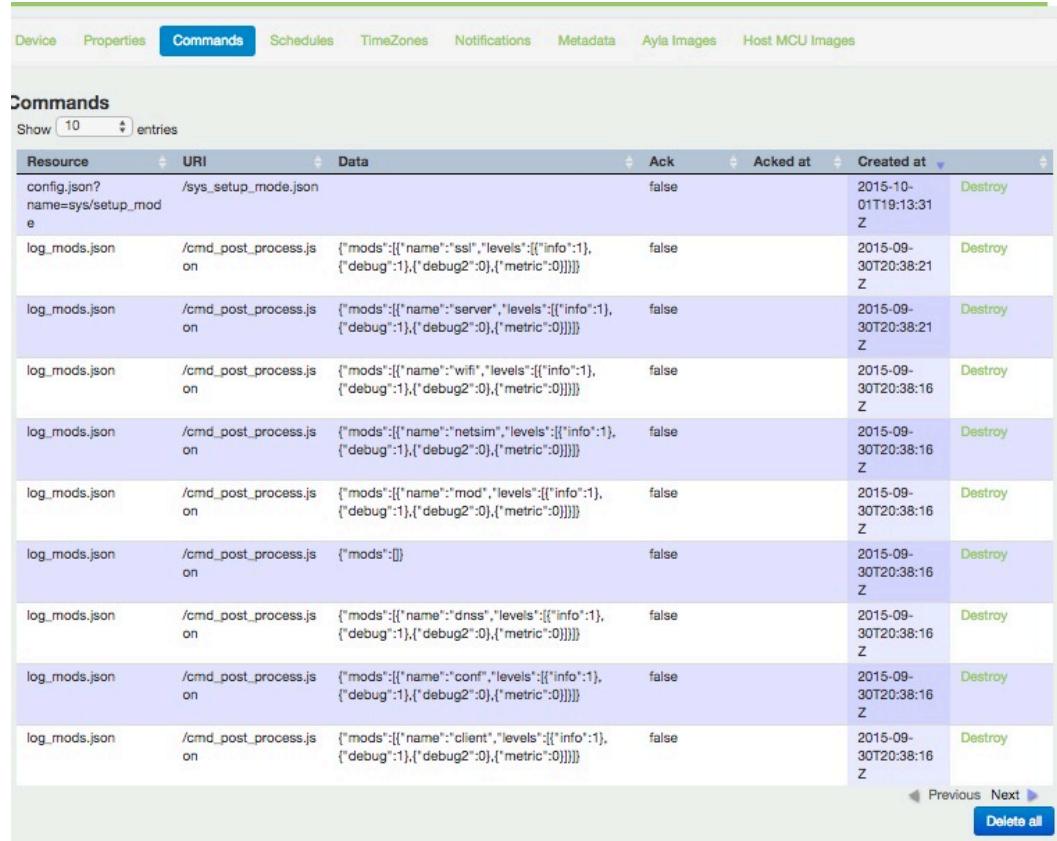
Host SW Version

Time Series

Create **Cancel**

Commands

View all commands that were sent to the device



Resource	URI	Data	Ack	Acked at	Created at	
config.json?	/sys_setup_mode.json		false		2015-10-01T19:13:31Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "ssl", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:21Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "server", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:21Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "wifi", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "netsim", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "mod", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": []}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "dnss", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "conf", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy
log_mods.json	/cmd_post_process.json	{"mods": [{"name": "client", "levels": [{"info": 1}, {"debug": 1}, {"debug2": 0}, {"metric": 0}]}]}	false		2015-09-30T20:38:16Z	Destroy

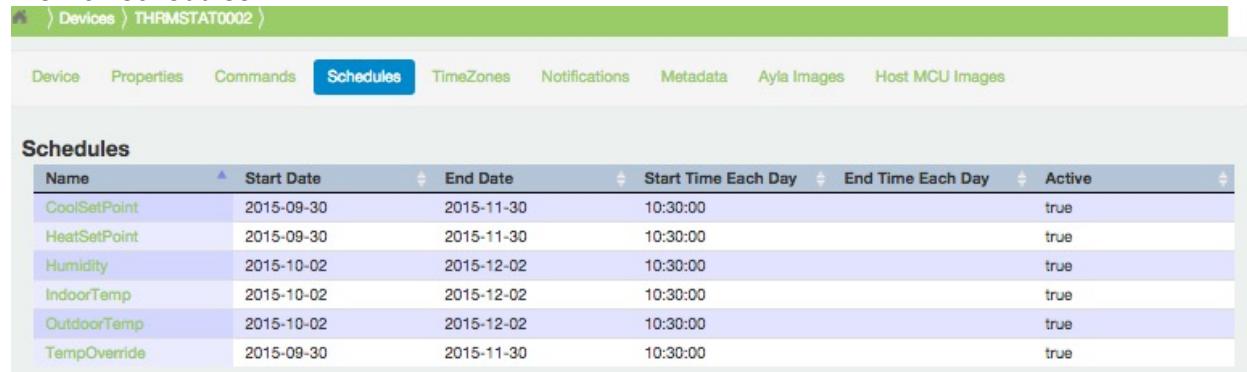
◀ Previous Next ▶ [Delete all](#)

How to Delete all Commands

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

Schedules

View all 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
TimeZones								
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			
				◀ Previous	Next ▶			

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	
			◀ Previous	Next ▶

Metadata

View Meta Data

Key	Value	Created at	Updated at	
No data available in table				
			◀ Previous	Next ▶

Ayla Images

View all images

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

Host MCU Images

View all Host MCU Images

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

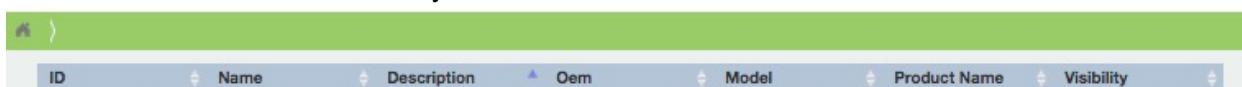
Templates

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.



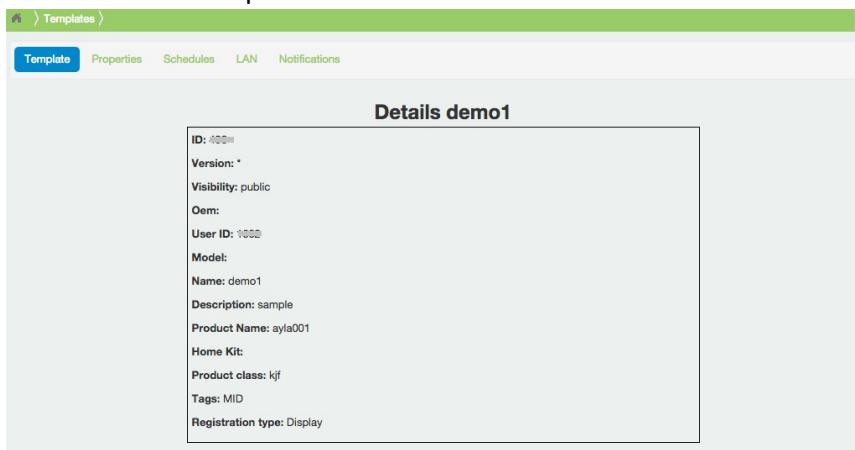
ID	Name	Description	Oem	Model	Product Name	Visibility
1473	Demo_smart_ther...	Ayla demo smart thermostat	3f6cf4ac	Demo		oem

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
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The Details view opens

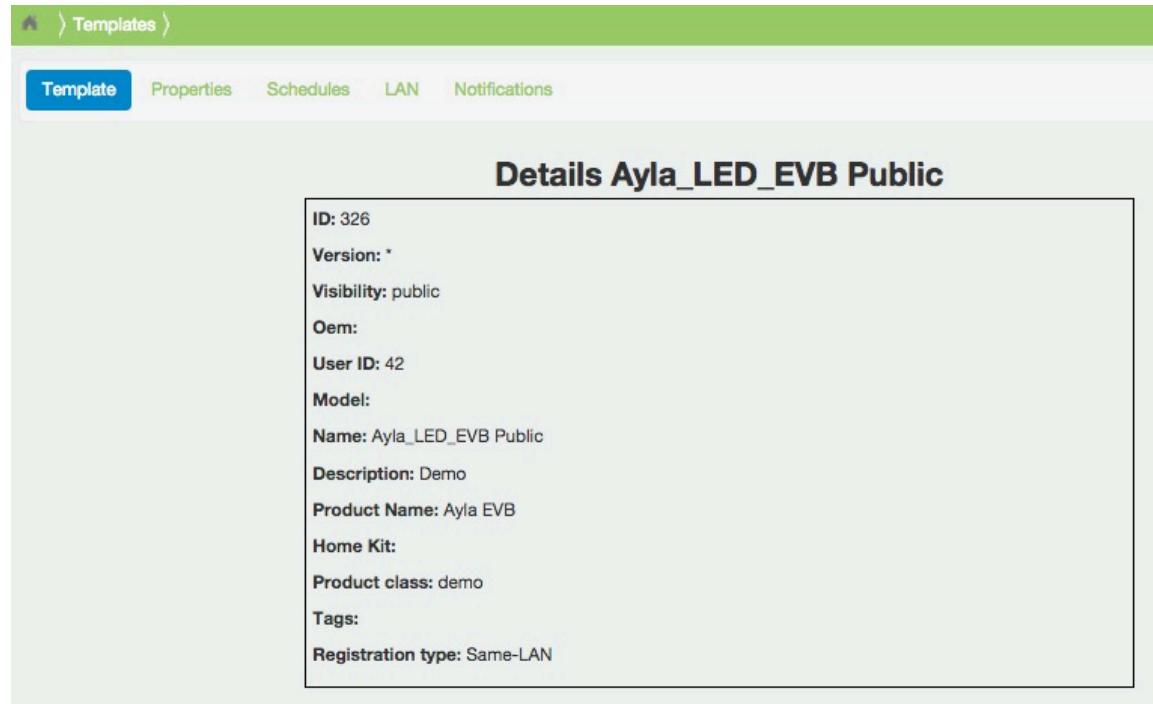


Details demo1	
ID:	498
Version:	*
Visibility:	public
Oem:	
User ID:	1000
Model:	
Name:	demo1
Description:	sample
Product Name:	ayla001
Home Kit:	
Product class:	kf
Tags:	MID
Registration type:	Display

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

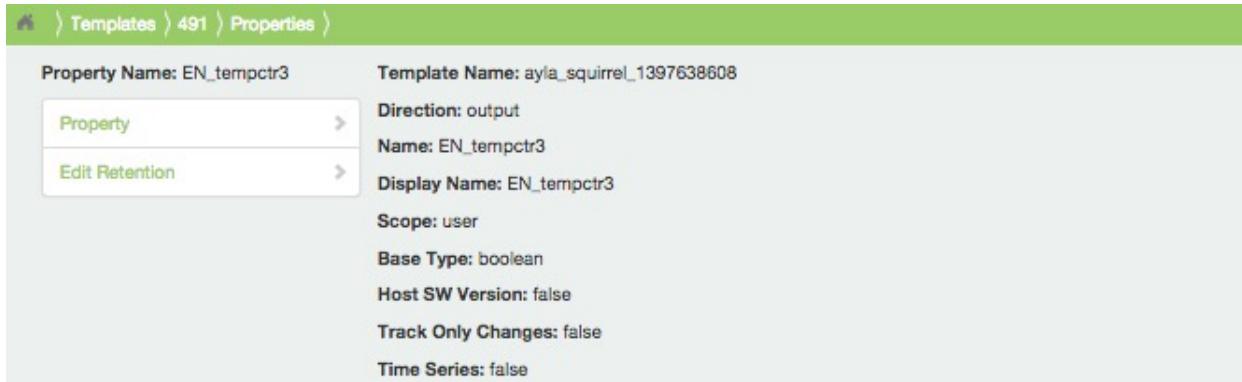
Additional views are accessed at the top of the Details view. More information about the template includes:

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.



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

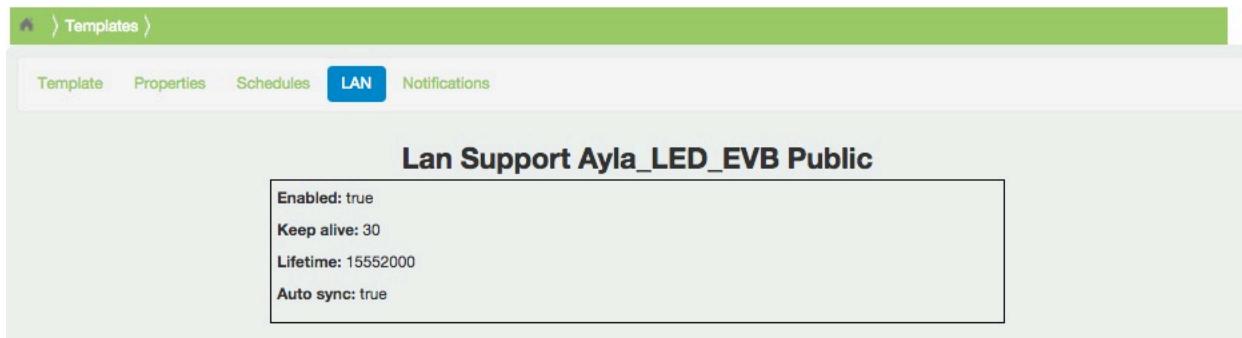
Template Schedules

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

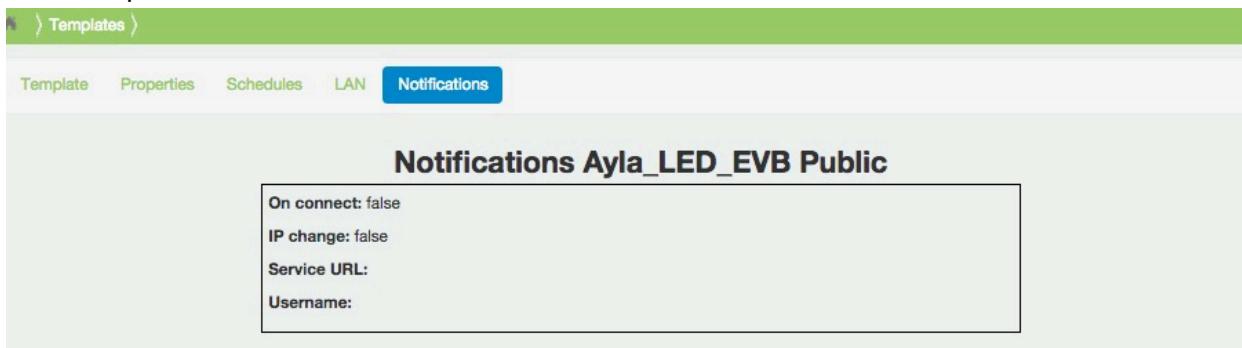


Lan Support Ayla_LED_EVB_Public

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

Template Notifications

View template details

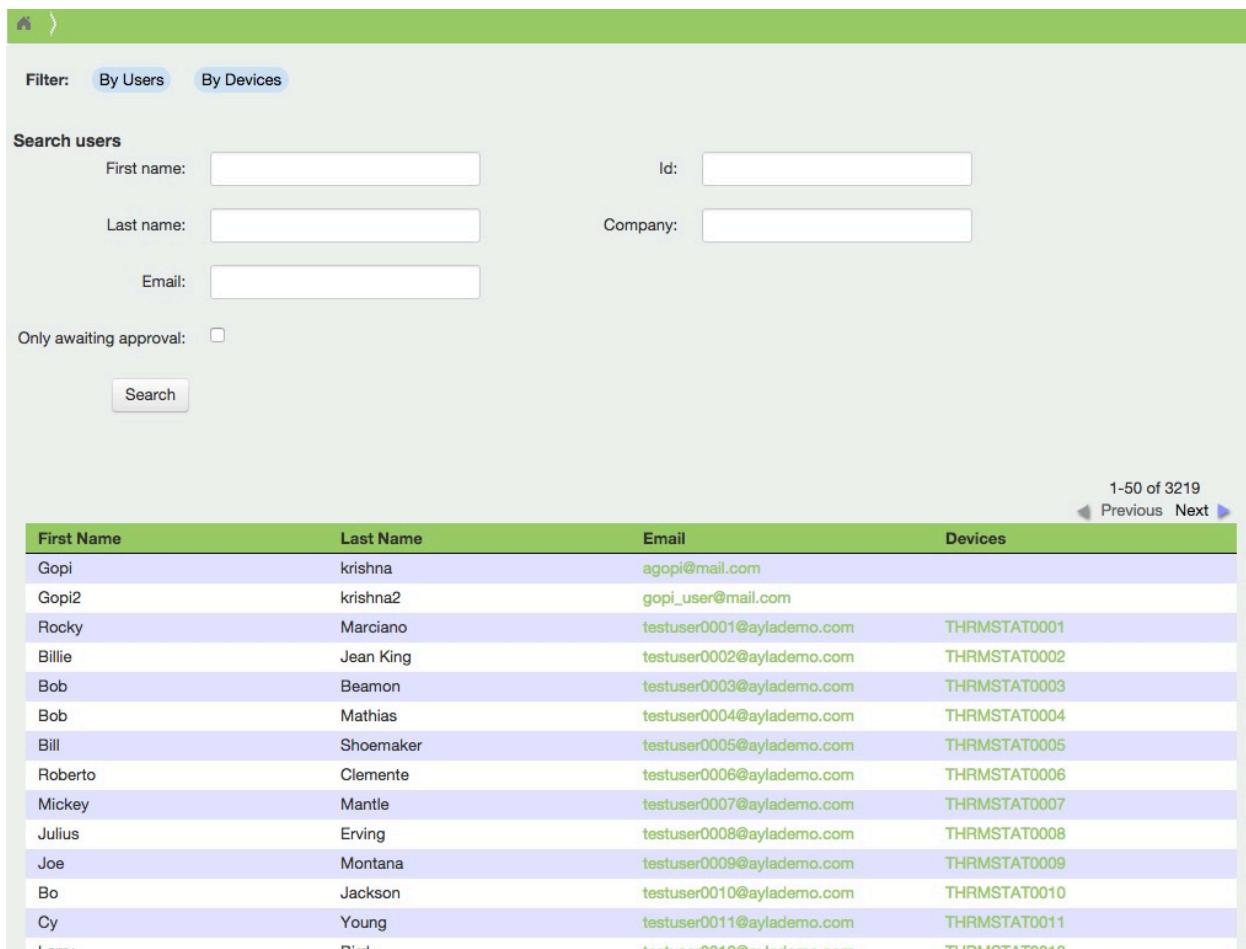


The screenshot shows a web-based interface for managing network templates. At the top, there is a green header bar with the text 'Templates' and a back arrow icon. Below the header, a navigation bar contains five tabs: 'Template' (selected), 'Properties', 'Schedules', 'LAN', and 'Notifications' (highlighted with a blue background). The main content area is titled 'Notifications Ayla_LED_EVB Public'. Inside this title, there is a rectangular box containing the following 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	THRMSTAT0001
Billie	Jean King	testuser0002@aylademo.com	THRMSTAT0002
Bob	Beamon	testuser0003@aylademo.com	THRMSTAT0003
Bob	Mathias	testuser0004@aylademo.com	THRMSTAT0004
Bill	Shoemaker	testuser0005@aylademo.com	THRMSTAT0005
Roberto	Clemente	testuser0006@aylademo.com	THRMSTAT0006
Mickey	Mantle	testuser0007@aylademo.com	THRMSTAT0007
Julius	Erving	testuser0008@aylademo.com	THRMSTAT0008
Joe	Montana	testuser0009@aylademo.com	THRMSTAT0009
Bo	Jackson	testuser0010@aylademo.com	THRMSTAT0010
Cy	Young	testuser0011@aylademo.com	THRMSTAT0011

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: Id:
 Last name: Company:
 Email:

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: Entries:

Order:

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 ▶

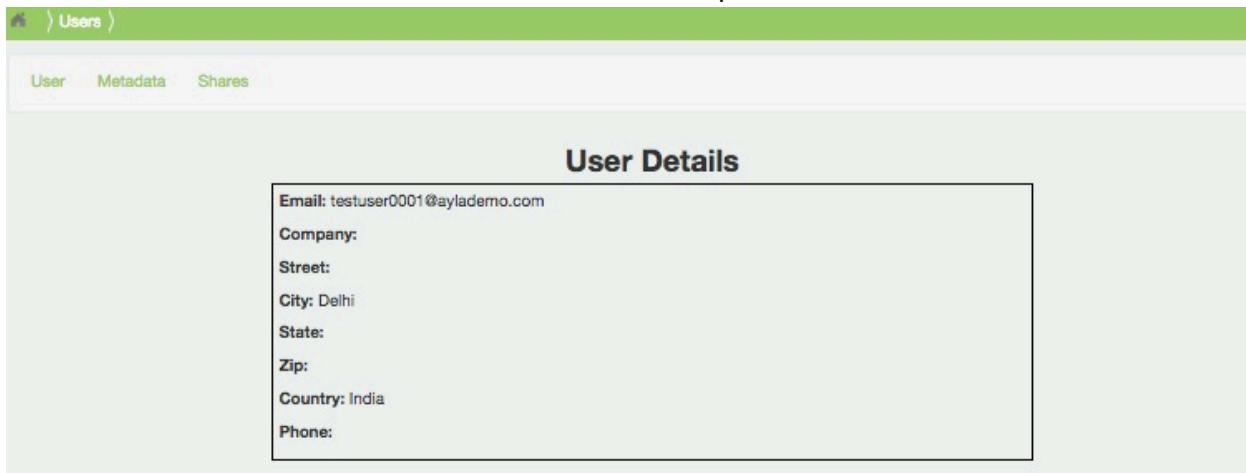
First Name	Last Name	Email	Devices
Rocky	Marciano	testuser001@aylademo.com	THRMSTAT0001
Billie	Jean King	testuser002@aylademo.com	THRMSTAT0002
Bob	Beamon	testuser003@aylademo.com	THRMSTAT0003
Bob	Mathias	testuser004@aylademo.com	THRMSTAT0004
Bill	Shoemaker	testuser005@aylademo.com	THRMSTAT0005
Roberto	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

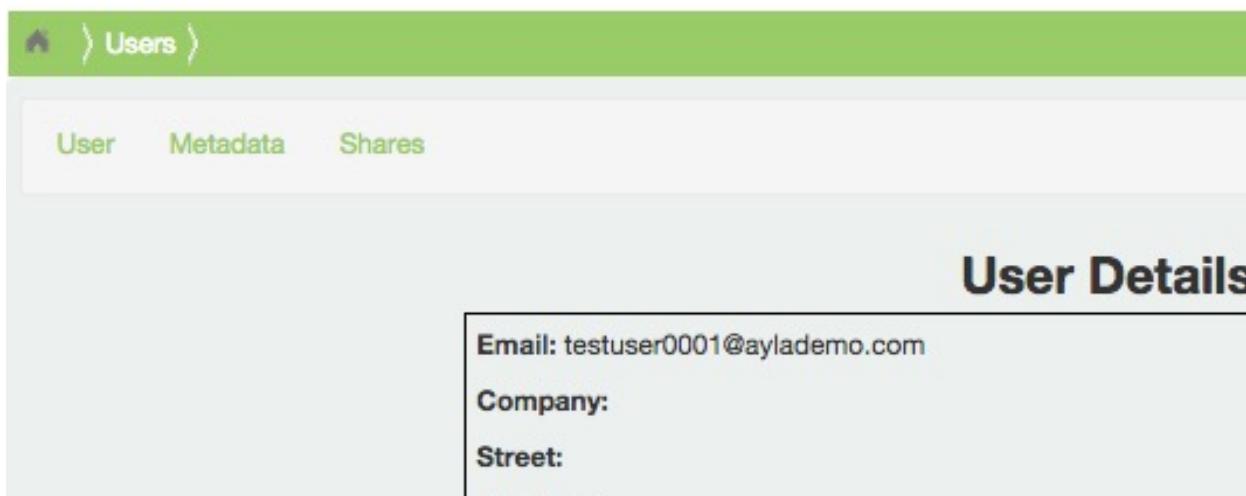
End User Details include the uses email, address, and phone.



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).



User Meta Data

Show 10 entries

Key	Value	Created at	Updated at
No data available in table			

Previous Next

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.



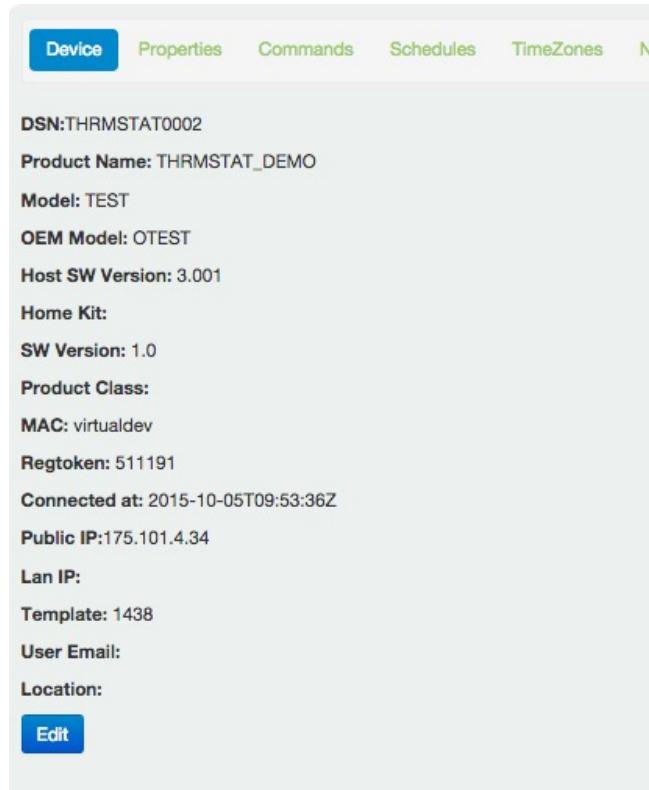
Share ID	Grant ID	User ID	Resource ID	Resource name	Created at	Start	End	Status	Operation
3364	1985	9761	AC000W00...	device	2015-10-28T18:29:57Z			write	D...

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	
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	Mantle	testuser0007@aylademo.com	THRMSSTAT0007
Julius	Erving	testuser0008@aylademo.com	THRMSSTAT0008
Joe	Montana	testuser0009@aylademo.com	THRMSSTAT0009
Cy	Young	testuser0011@aylademo.com	THRMSSTAT0011
Larry	Bird	testuser0012@aylademo.com	THRMSSTAT0012
O J	Simpson	testuser0013@aylademo.com	THRMSSTAT0013



DSN:THRMSTAT0002

Product Name: THRMSTAT_DEMO

Model: TEST

OEM Model: OTEST

Host SW Version: 3.001

Home Kit:

SW Version: 1.0

Product Class:

MAC: virtualdev

Regtoken: 511191

Connected at: 2015-10-05T09:53:36Z

Public IP: 175.101.4.34

Lan IP:

Template: 1438

User Email:

Location:

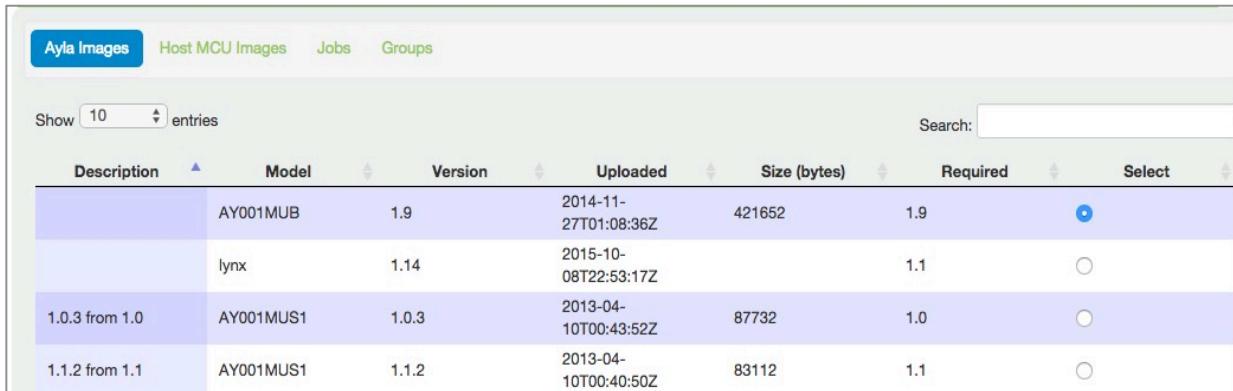
Edit

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.

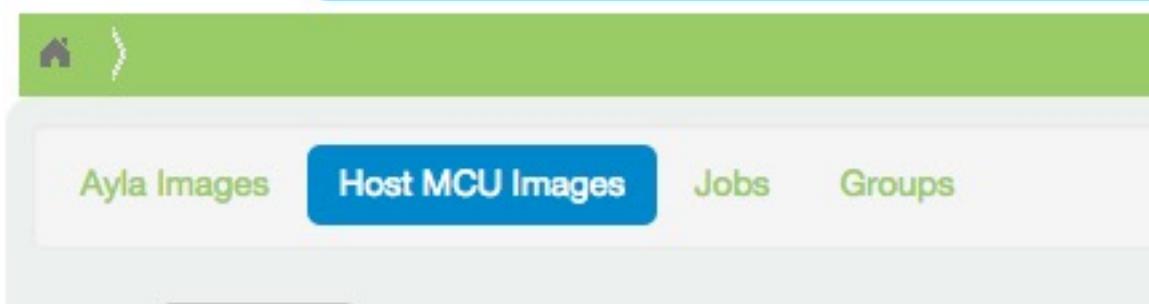
Perform the Host OTA

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.