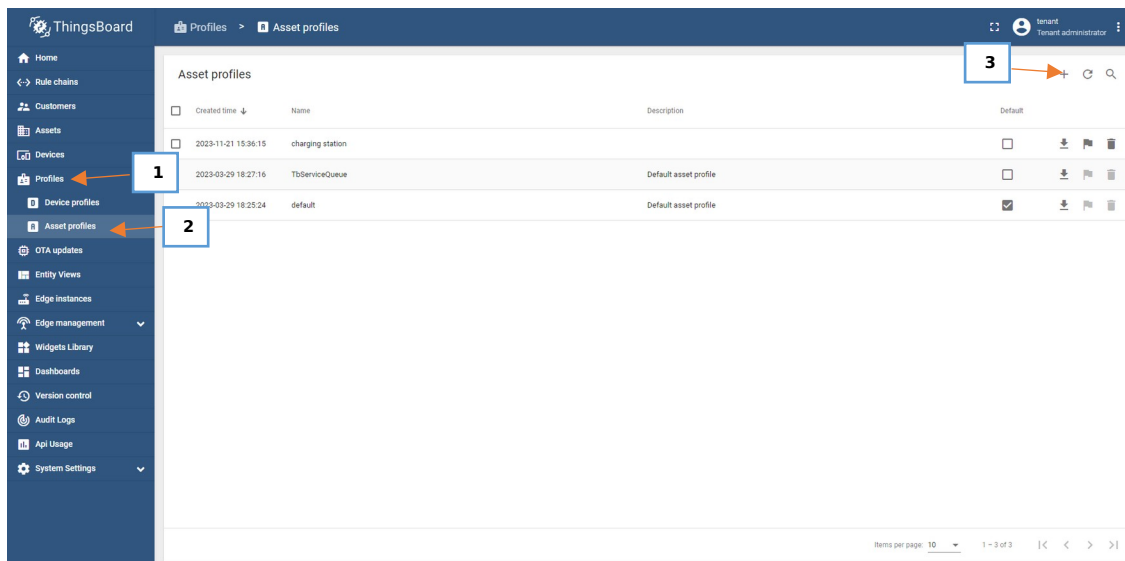


how to create dashboard-

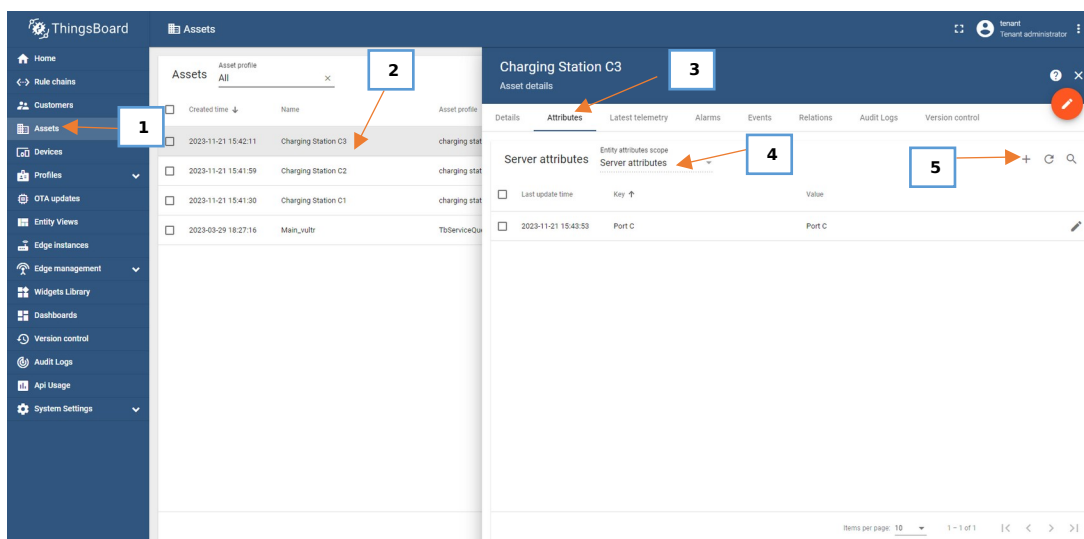
1. select Profiles in profile we see two device profile and asset profile.



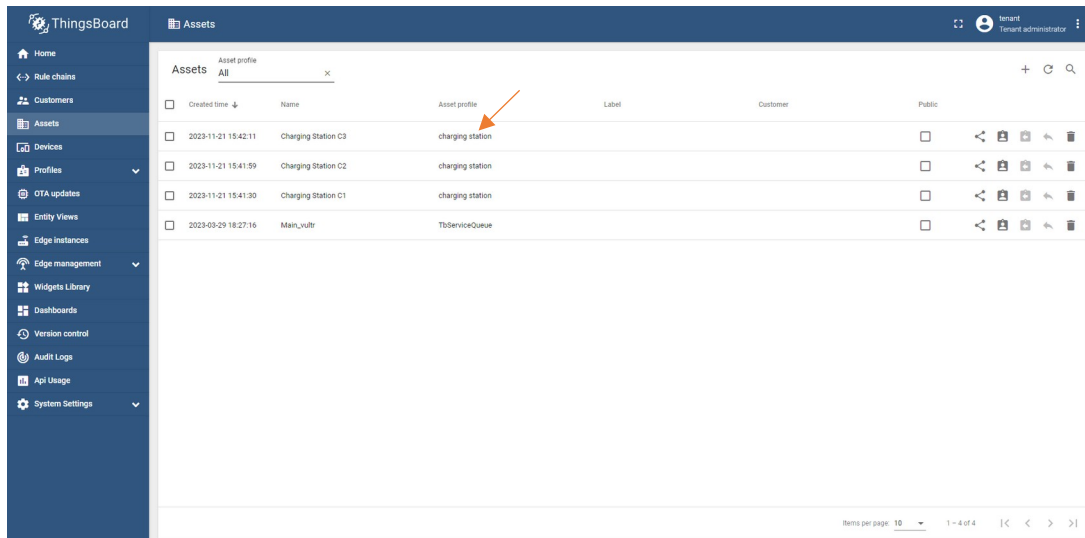
2. go in asset profile and create one asset profile.

1. we see assets on left side select created assets then create assets based on number of ports create assets.

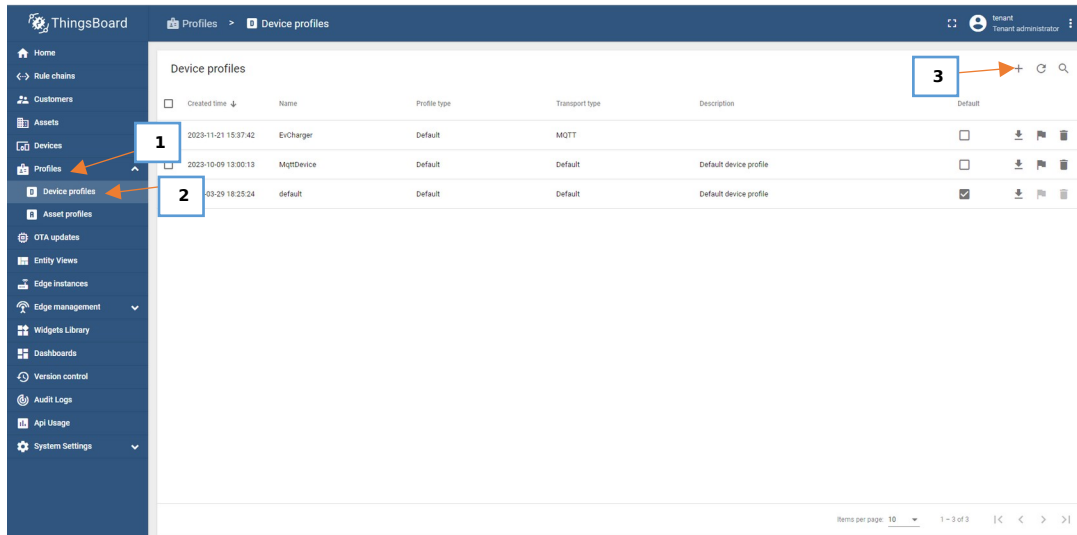
2. now click on asset name then see on top click on attributes in Server attributes add key and value. *we have to do this thing with all assets.



3. remember we have to give asset profile in all assets what we created.

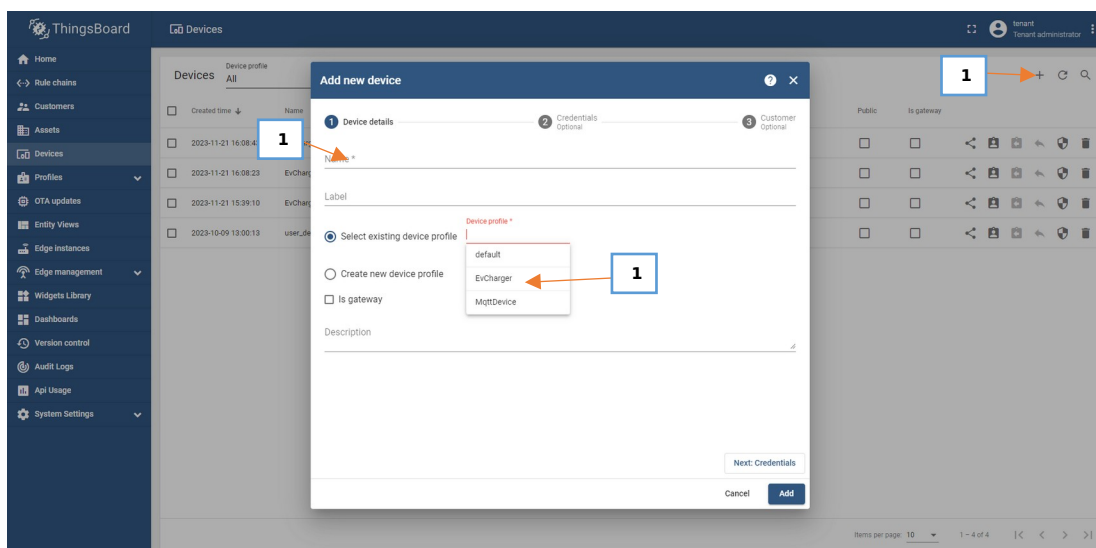


3. for device also we have to create device profile only one profile is enough.

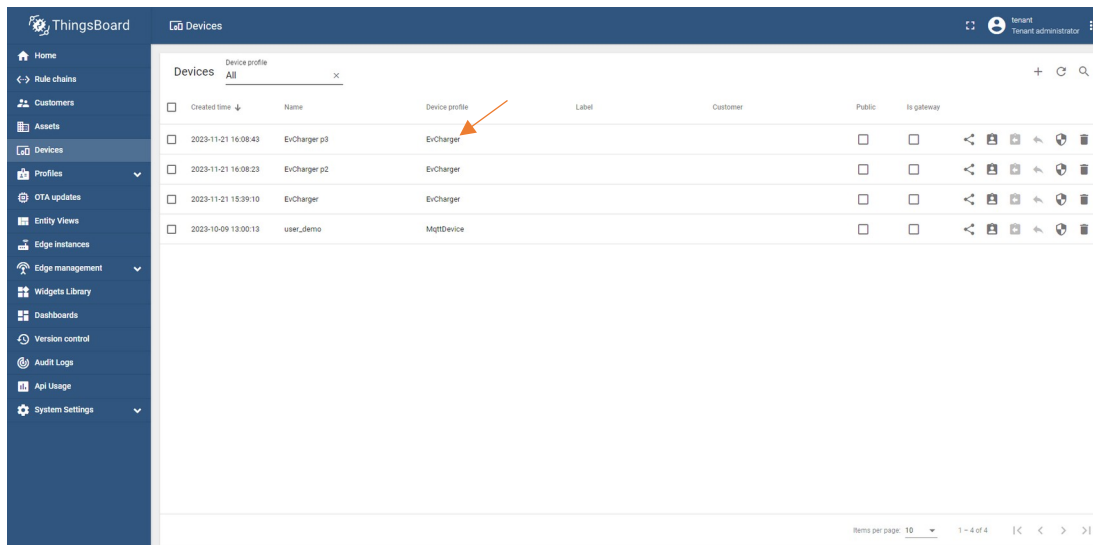


1. we see devices on left side select then create devices based on number of ports create device.

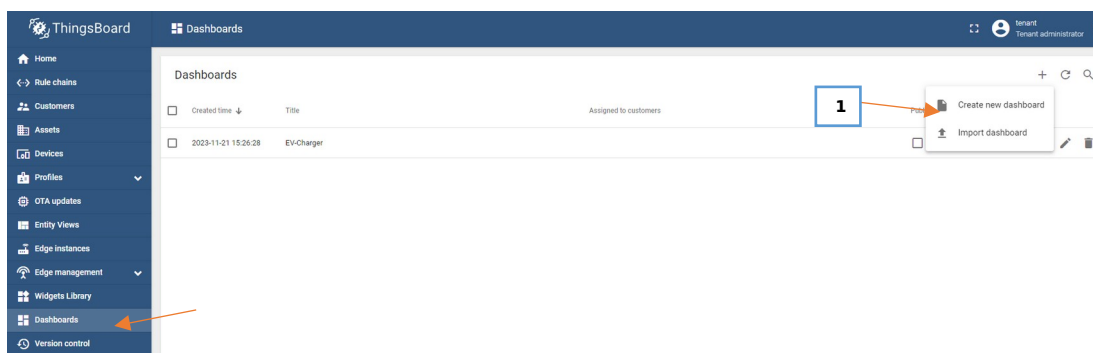
*for communication access token we get here.



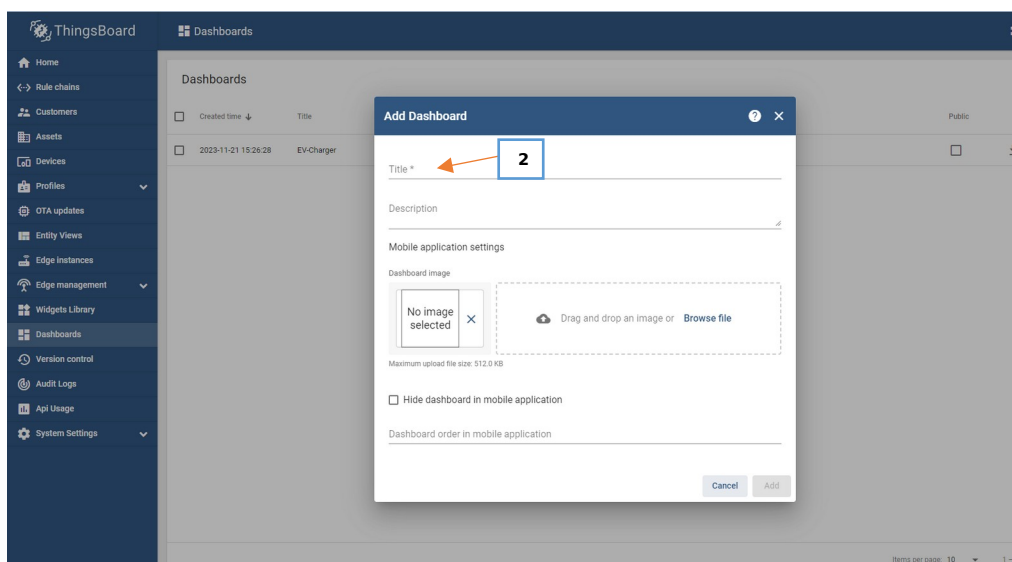
2. remember we have to give device profile in all devices what we created.



4. click on dashboard in left side-
1. create new dashboard.



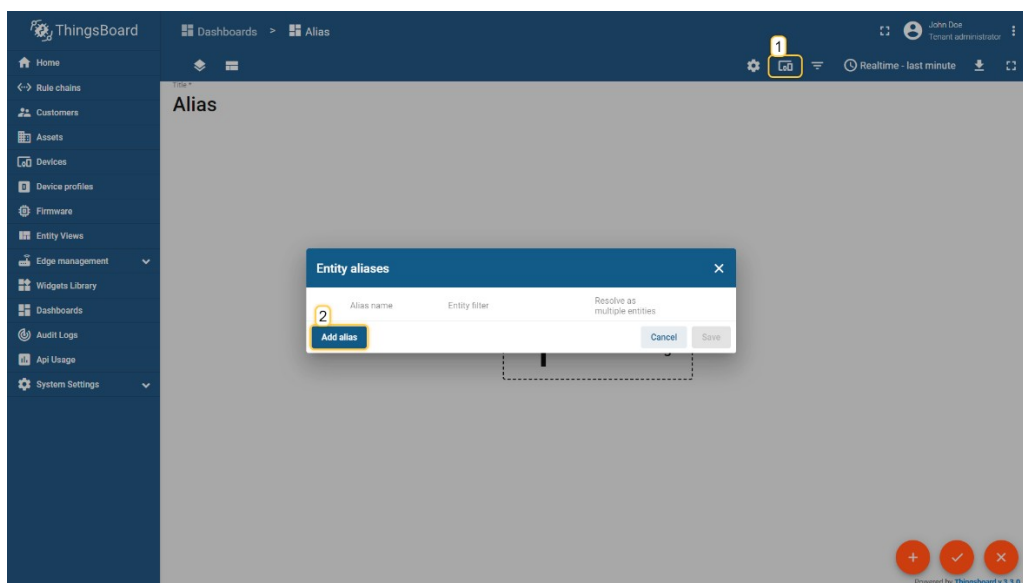
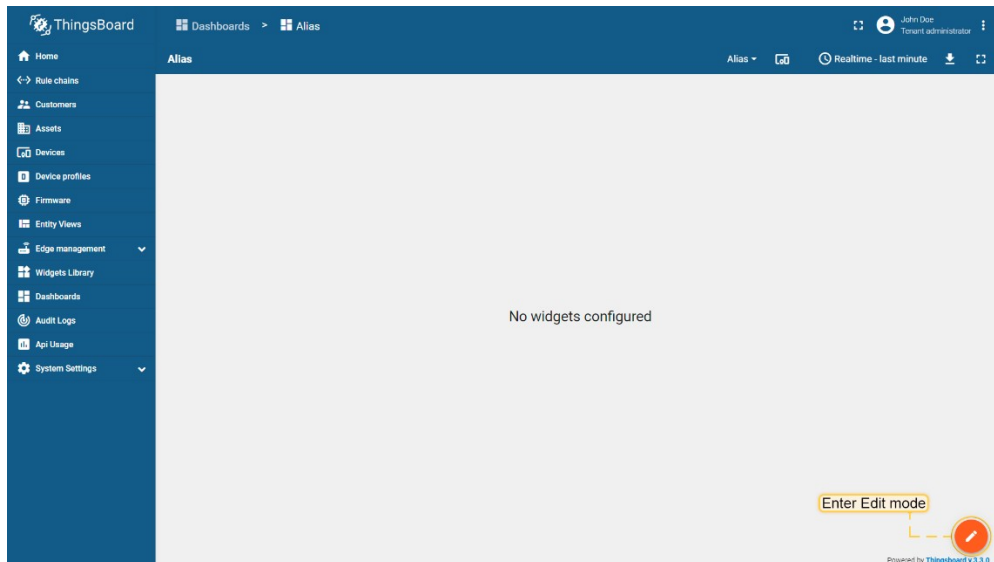
2. give dashboard name.

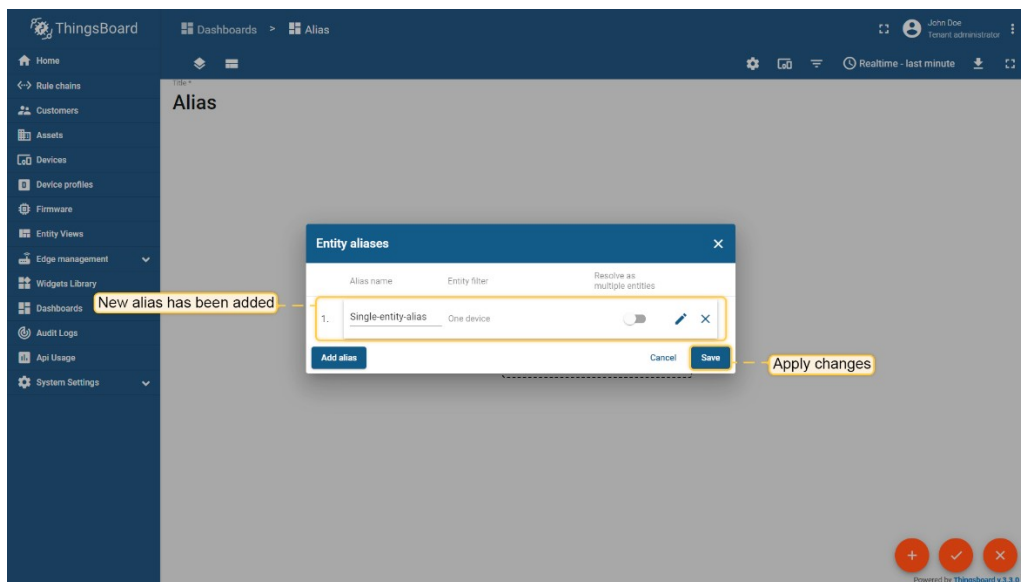
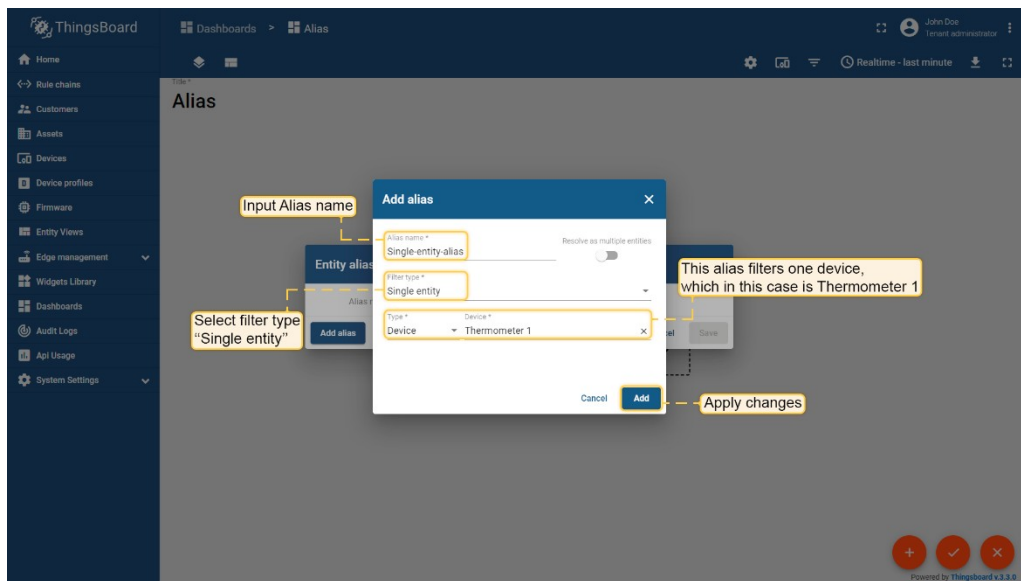


3. create entity alias.

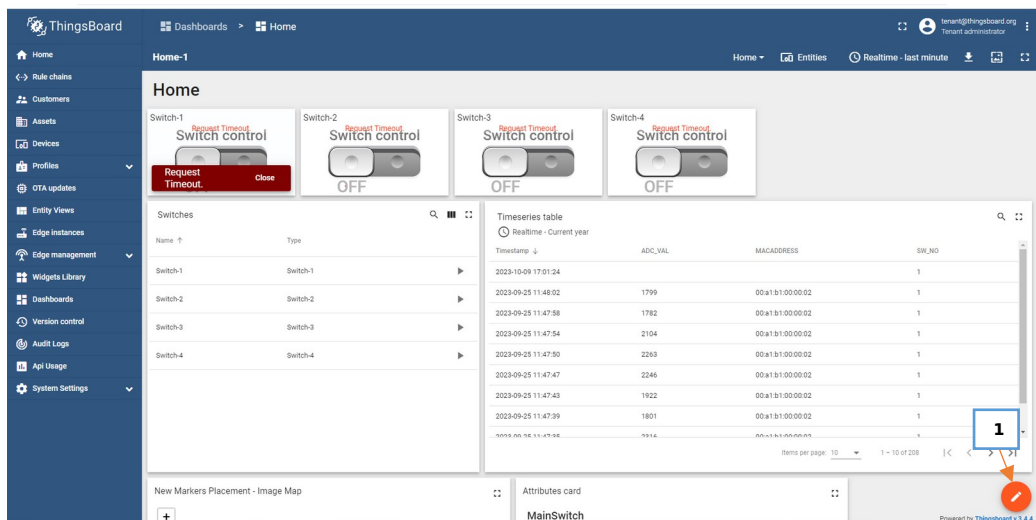
1. In the upper right corner of the window, click the "Entity alias" icon.
2. In the opened Entity aliases window, click the "Add alias" button on the left side of the dialog box.

3. In the opened dialog *Add alias*, enter a name for the alias, select a *Single entity* filter type. From the Type drop-down menu, Select the *Device* and enter the name of the needed device (start typing it and it will be found automatically).
4. After configuring the alias, click the “Add” button in the lower right corner.
5. We can now see that a new alias has been added. Click “Save” in the lower right corner of the dialog box.





After add **Entity aliases** click on edit option.

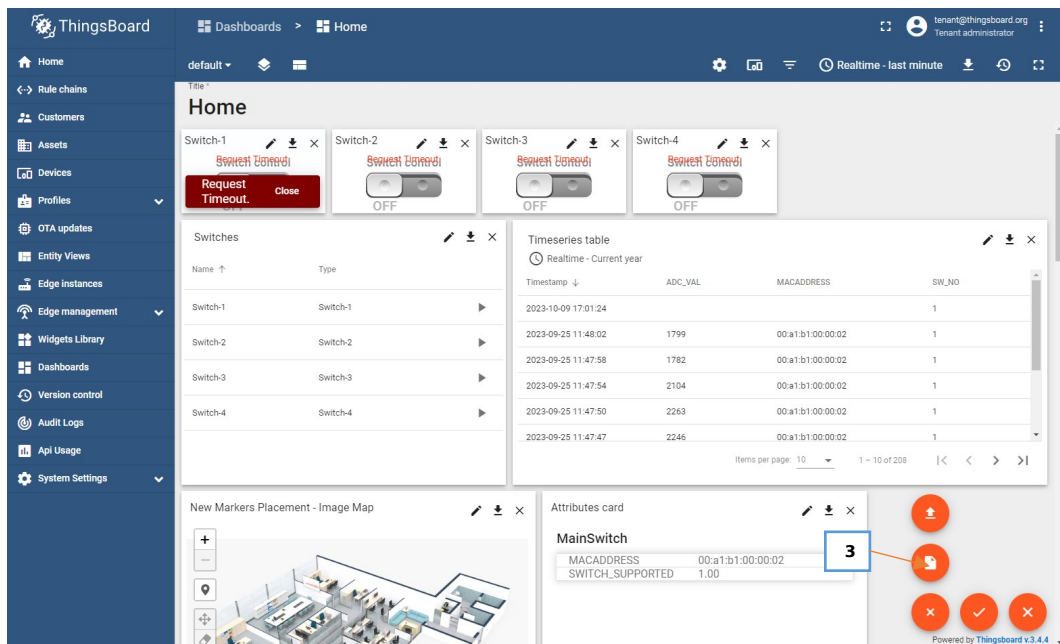


Click on **Add** option.

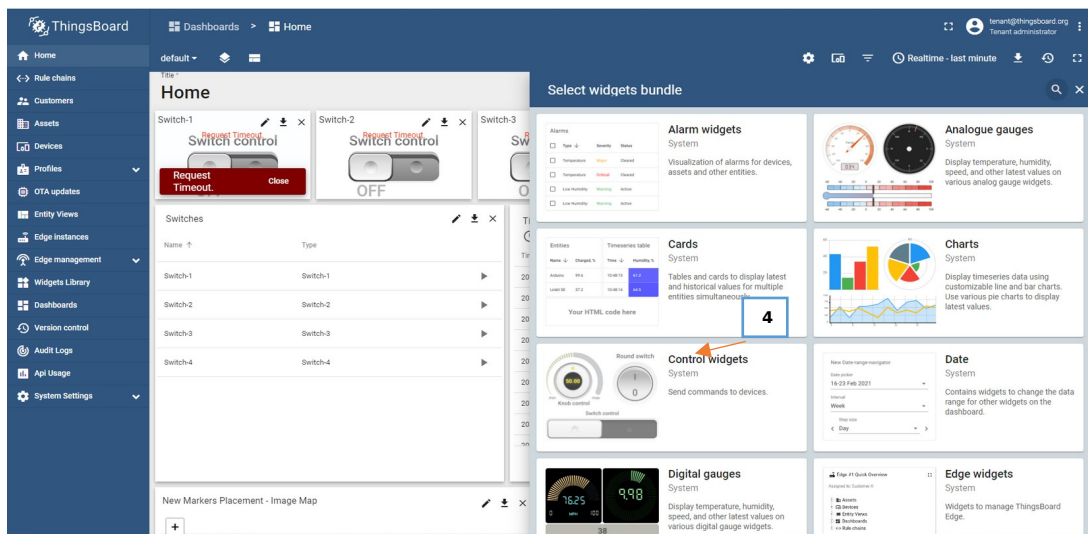
The screenshot shows the ThingsBoard dashboard interface. The top navigation bar includes the ThingsBoard logo, a breadcrumb trail 'Dashboards > Home', and user information 'tenant@thingsboard.org Tenant administrator'. The left sidebar contains a menu with options like Home, Rule chains, Customers, Assets, Devices, Profiles, OTA updates, Entity Views, Edge Instances, Edge management, Widgets Library, Dashboards, Version control, Audit Logs, Api Usage, and System Settings. The main content area displays a 'Home' dashboard with four 'Switch control' widgets (Switch-1 to Switch-4) and a 'Timeseries table' widget. The 'Timeseries table' widget shows a table with columns: TimeStamp, ADC_VAL, MACADDRESS, and SW_NO. A red box highlights the number '2' in the bottom right corner of the dashboard, indicating the 'create new widget' option.

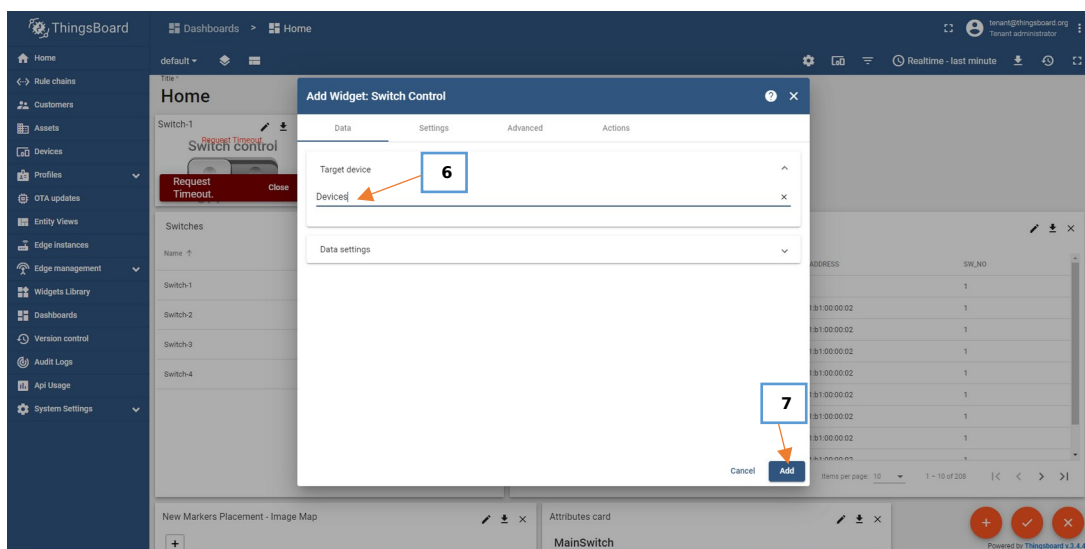
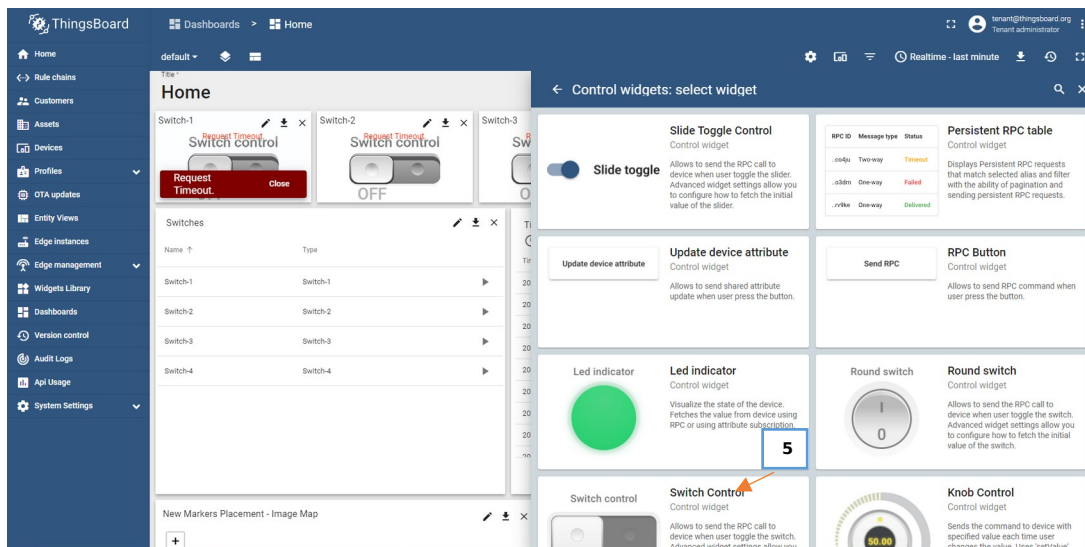
TimeStamp	ADC_VAL	MACADDRESS	SW_NO
2023-10-09 17:01:24			1
2023-09-25 11:48:02	1799	00:a1:b1:00:00:02	1
2023-09-25 11:47:56	1782	00:a1:b1:00:00:02	1
2023-09-25 11:47:54	2104	00:a1:b1:00:00:02	1
2023-09-25 11:47:50	2263	00:a1:b1:00:00:02	1
2023-09-25 11:47:47	2246	00:a1:b1:00:00:02	1
2023-09-25 11:47:43	1922	00:a1:b1:00:00:02	1
2023-09-25 11:47:39	1801	00:a1:b1:00:00:02	1
...

Then you can see the **create new widget** option which is second -> click on that.

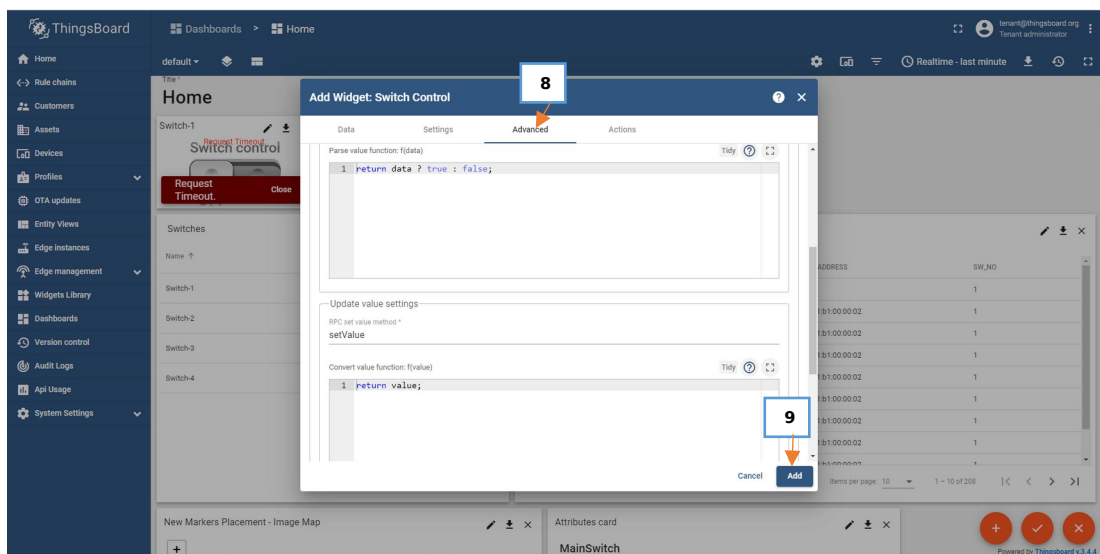


Select Control Widgets for select -> Switch Control.





In Advance give a Json format to send the data.



As you can see how I given here and save it-

The screenshot displays a web interface for managing switch control. On the left, a sidebar contains navigation links: Home, Rule chains, Customers, Assets, Devices, Profiles, OTA updates, Entity Views, Edge Instances, Edge management, Widgets Library, Dashboards, Version control, Audit Logs, Api Usage, and System Settings. The main content area is divided into two panels. The left panel, titled 'Home', shows a list of four switches (Switch-1, Switch-2, Switch-3, Switch-4), each with a 'Switch control' toggle set to 'OFF' and a 'Request Timeout' button. The right panel, titled 'Switch-1', shows the configuration for 'Switch Control'. It has tabs for 'Data', 'Settings', 'Advanced', and 'Actions'. The 'Advanced' tab is selected, showing a 'Convert value function: f(value)' section with a code editor containing the following JavaScript code:

```
1
2 * if(value == true){
3   return "SH_NO":1,"CONTROL_INFO": "ON";
4 }
5
6 * if(value == false){
7   return "SH_NO":1,"CONTROL_INFO": "OFF";
8 }
9
```

Below the code editor, there are 'RPC settings' including 'RPC request timeout (ms)' set to 500, and 'Persistent RPC settings' with a toggle for 'RPC request persistent' set to 'Off'. An orange arrow points to the 'Advanced' tab in the 'Switch-1' panel.