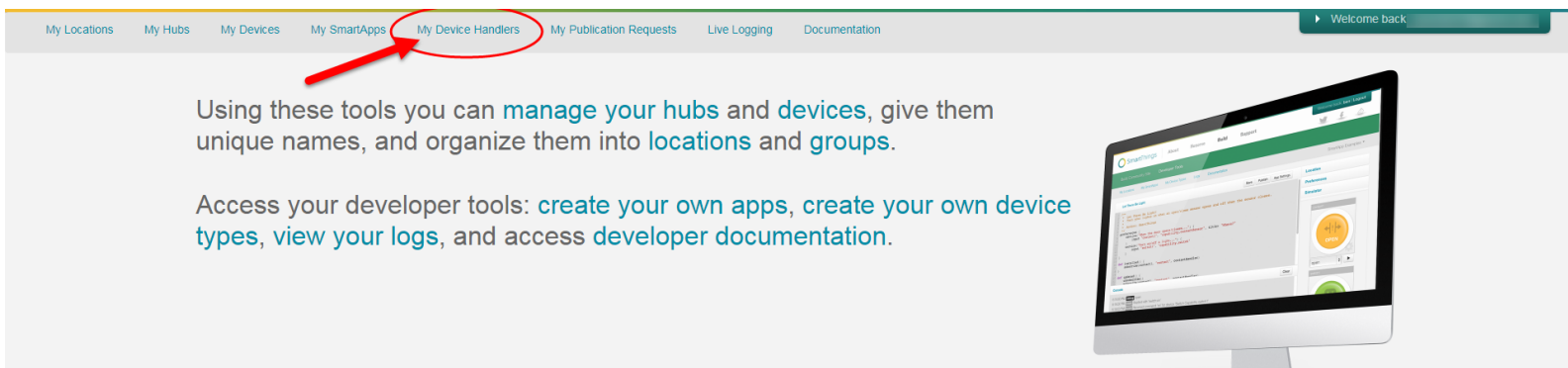


# Creating a SmartThings Device Handler

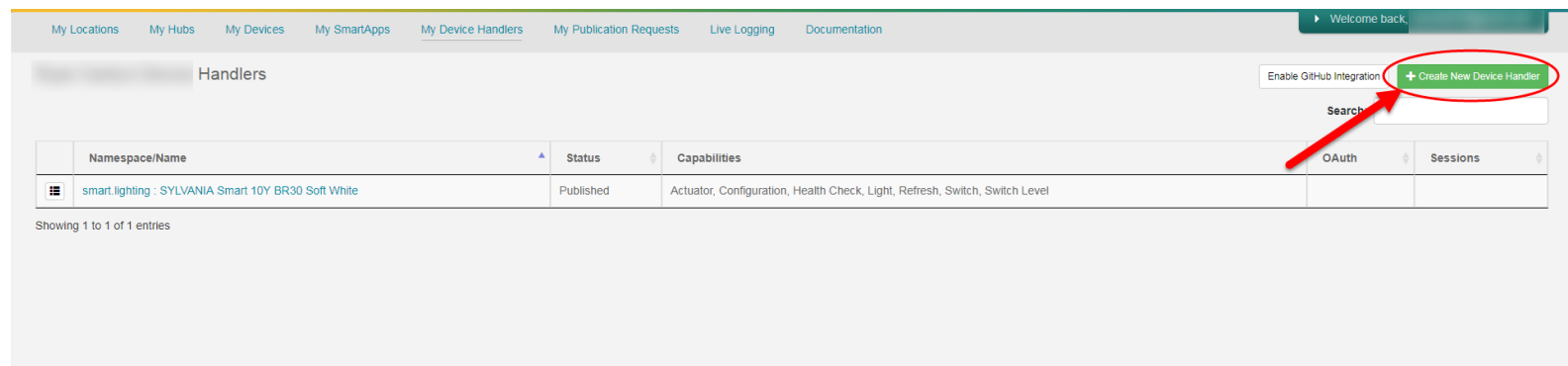
8/8/2017

*\*NOTE: This guide goes over creating a custom device handler for SYLVANIA Smart products that are currently not supported by SmartThings. The steps below are formatted in a way that will make this process easier if you do not have your smart lights already connected to SmartThings. If your SYLVANIA Smart lights are already connected to SmartThings, please remove them before continuing to follow this guide.*

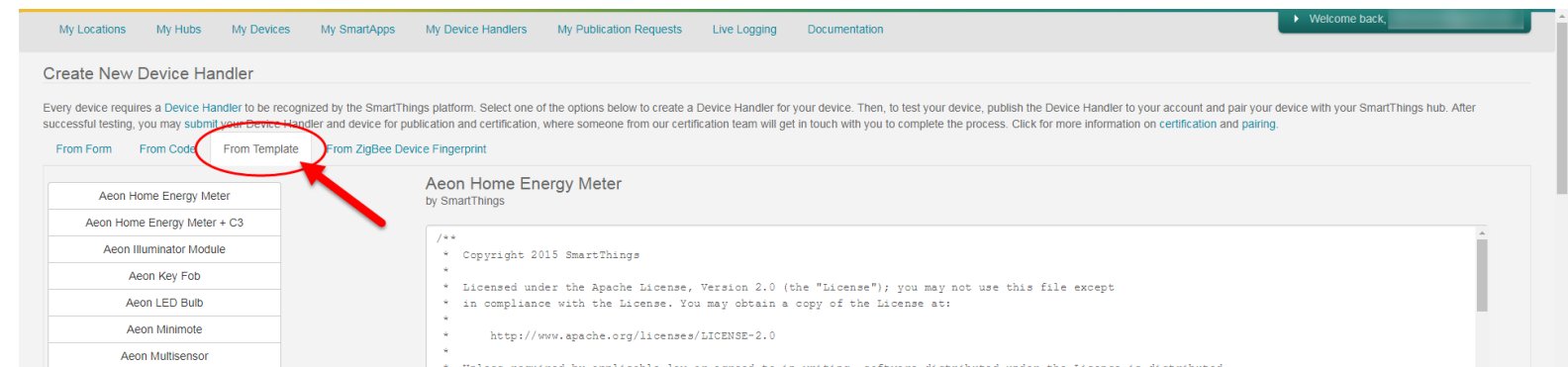
1. Navigate to <https://graph.api.smartthings.com/> and log in with your SmartThings account. This account will be the same one you use to log in to the SmartThings mobile app.
2. Once you are logged in, navigate to the “My Device Handlers” tab:



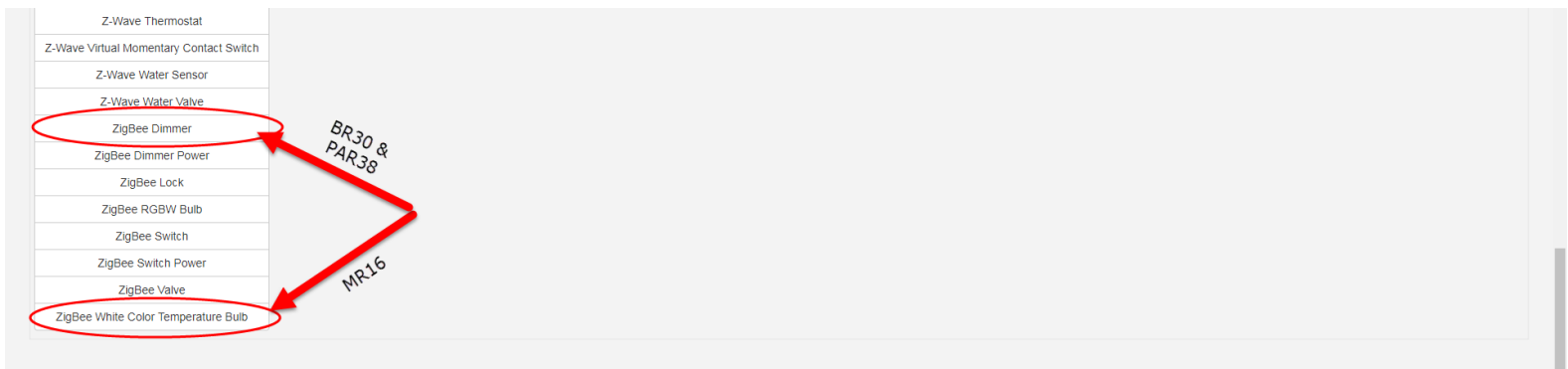
3. Click “Create New Device Handler” in the top right of the screen:



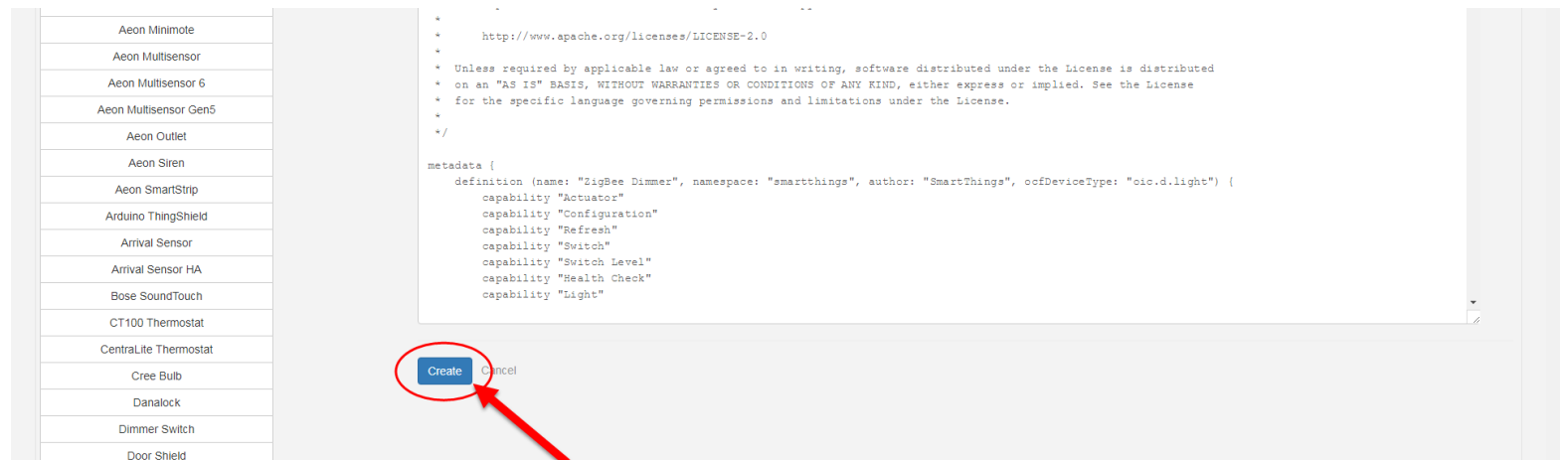
4. Click the “From Template” tab:



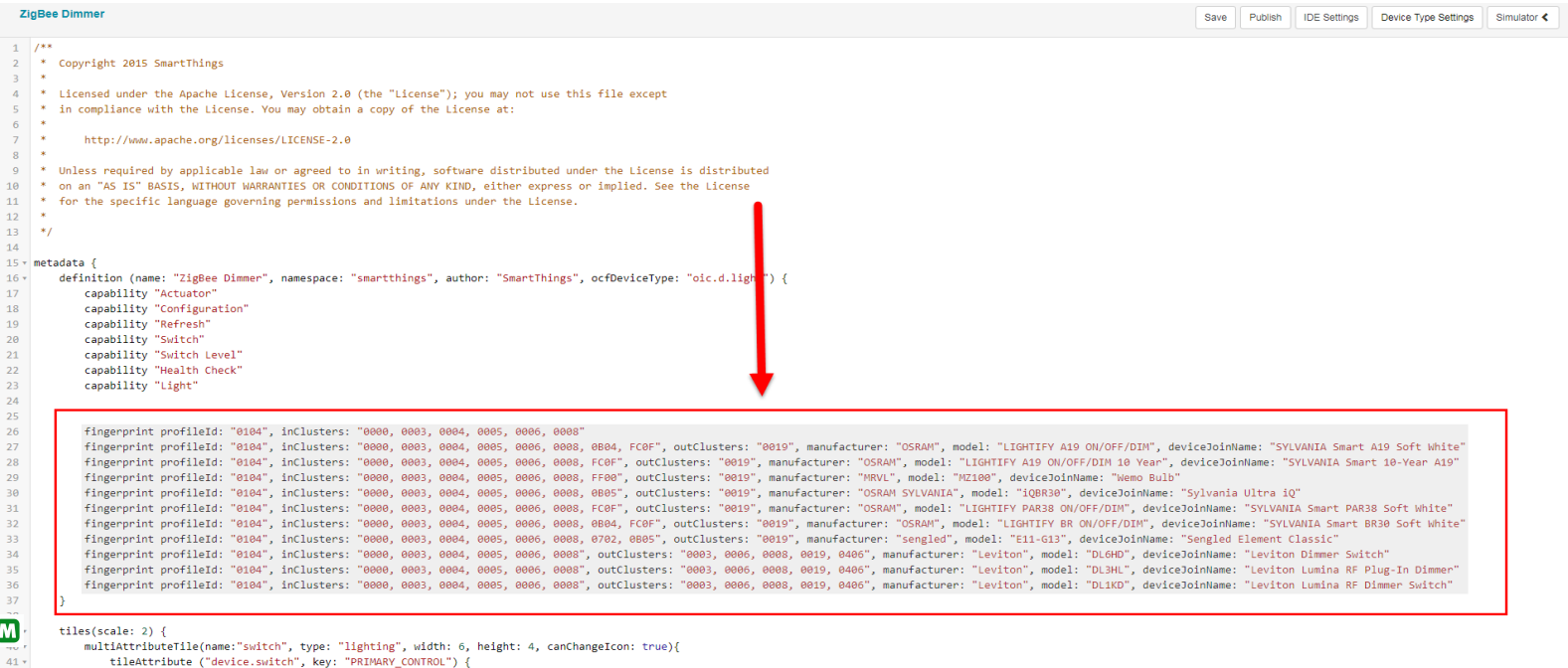
5. Scroll to the bottom of the page and:
  - a. For the BR30 & PAR38 click “ZigBee Dimmer”
  - b. For the MR16 click “ZigBee White Color Temperature Bulb”



6. Scroll back up to the top of the page and click “Create”:



7. You will now be brought to a page where you can see the actual Device Handler code. Locate the area of the code that looks similar to the below picture. This block of code is located at the beginning of the device handler code, you should not have to scroll to view it. It should be on your screen currently. Look for a group of lines that all begin with the words “fingerprint profileId”:



8. Copy the line of code from below that corresponds to the SYLVANIA Smart bulb you would like to add:

a. BR30:

```
fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B05, FC01", outClusters: "0003, 0019", manufacturer: "LEDVANCE", model: "BR30 W 10 year", deviceJoinName: "SYLVANIA Smart 10Y BR30 Soft White"
```

b. PAR38:

```
fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B05, FC01", outClusters: "0003, 0019", manufacturer: "LEDVANCE", model: "PAR38 W 10 year", deviceJoinName: "SYLVANIA Smart 10Y PAR38 Soft White"
```

c. MR16:

```
fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B05, FC01", outClusters: "0003, 0019", manufacturer: "LEDVANCE", model: "MR16 TW", deviceJoinName: "SYLVANIA Smart MR16 Tunable White"
```

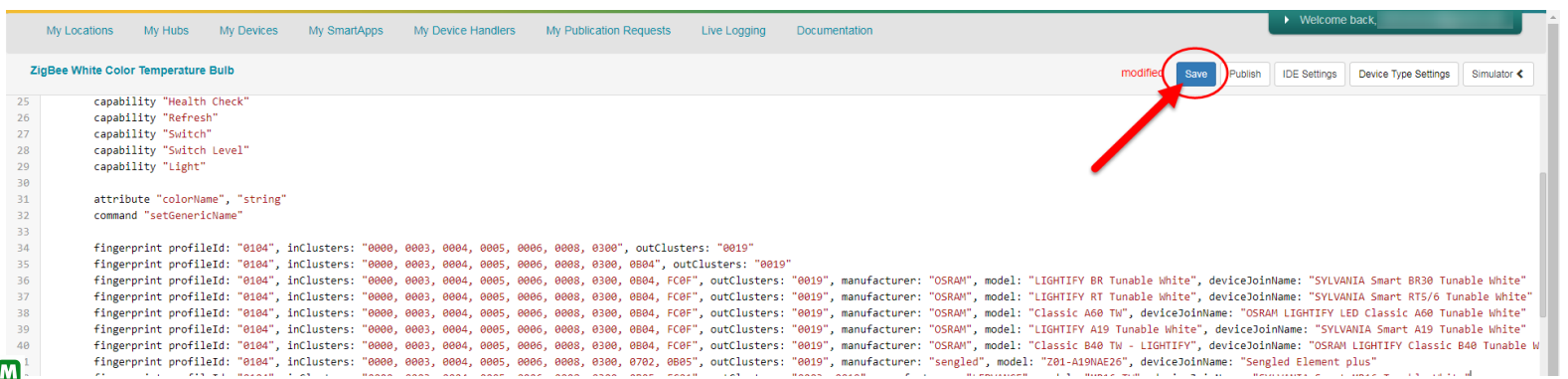
9. Place your cursor at the end of the last line of code in the block of code that you found in section 7 and press enter. This will create a new line.

```
27 // capability "Switch Level"
28 capability "Switch Level"
29 capability "Light"
30
31 attribute "colorName", "string"
32 command "setGenericName"
33
34 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300", outClusters: "0019"
35 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04", outClusters: "0019"
36 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY BR Tunable White", deviceJoinName: "SYLVANIA Smart BR30 Tunable White"
37 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY RT Tunable White", deviceJoinName: "SYLVANIA Smart RT5/6 Tunable White"
38 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "Classic A60 TW", deviceJoinName: "OSRAM LIGHTIFY LED Classic A60 Tunable White"
39 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY A19 Tunable White", deviceJoinName: "SYLVANIA Smart A19 Tunable White"
40 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "Classic B40 TW - LIGHTIFY", deviceJoinName: "OSRAM LIGHTIFY Classic B40 Tunable White"
41 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0702, 0B05", outClusters: "0019", manufacturer: "sengled", model: "Z01-A19NAE26", deviceJoinName: "Sengled Element plus"
42 |
43 }
44
45 // UI tile definitions
46 tiles(scale: 2) {
47 multiAttributeTile(name="switch" type="lighting" width: 6, height: 4, canChangeIcon: true){
48
49 }
```

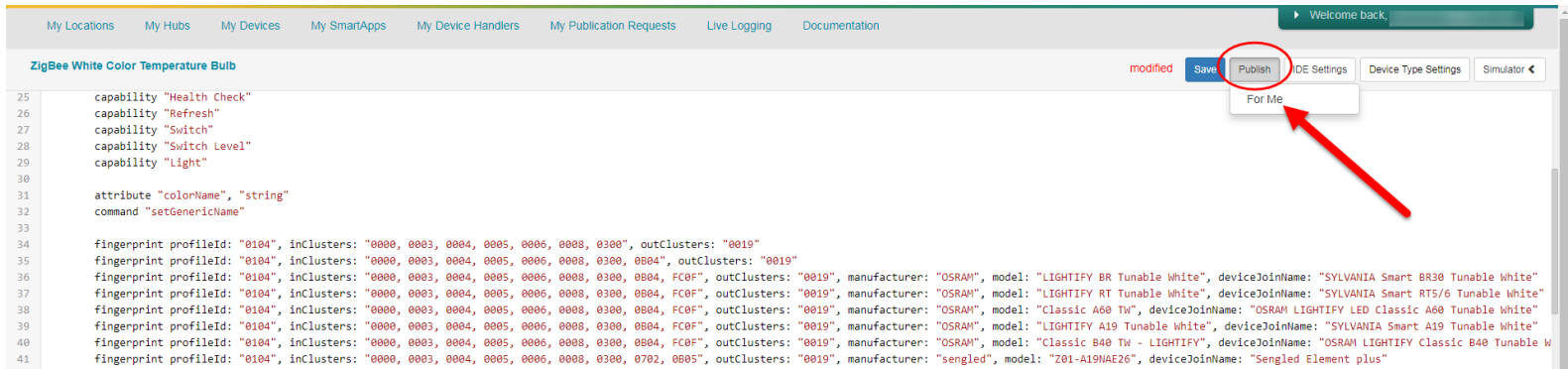
10. Paste the line of code that you copied in step 8 on the new line:

```
27 capability "Switch"
28 capability "Switch Level"
29 capability "Light"
30
31 attribute "colorName", "string"
32 command "setGenericName"
33
34 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300", outClusters: "0019"
35 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04", outClusters: "0019"
36 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY BR Tunable White", deviceJoinName: "SYLVANIA Smart BR30 Tunable White"
37 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY RT Tunable White", deviceJoinName: "SYLVANIA Smart RT5/6 Tunable White"
38 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "Classic A60 TW", deviceJoinName: "OSRAM LIGHTIFY LED Classic A60 Tunable White"
39 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "LIGHTIFY A19 Tunable White", deviceJoinName: "SYLVANIA Smart A19 Tunable White"
40 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B04, FC0F", outClusters: "0019", manufacturer: "OSRAM", model: "Classic B40 TW - LIGHTIFY", deviceJoinName: "OSRAM LIGHTIFY Classic B40 Tunable White"
41 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0702, 0B05", outClusters: "0019", manufacturer: "sengled", model: "Z01-A19NAE26", deviceJoinName: "Sengled Element plus"
42 fingerprint profileId: "0104", inClusters: "0000, 0003, 0004, 0005, 0006, 0008, 0300, 0B05, FC01", outClusters: "0003, 0019", manufacturer: "LEDVANCE", model: "MR16 TW", deviceJoinName: "SYLVANIA Smart MR16 Tunable White"
43 }
44
45 // UI tile definitions
46 tiles(scale: 2) {
47 multiAttributeTile(name="switch" type="lighting" width: 6, height: 4, canChangeIcon: true){
48 tileAttribute ("device.switch", key: "PRIMARY_CONTROL") {
49 attribute("on" label:"On") action:"switch.on" icon:"switch_light_on" backgroundColor:"#000000" nextState:"turning_on"
50 }
```

11. Click "Save"

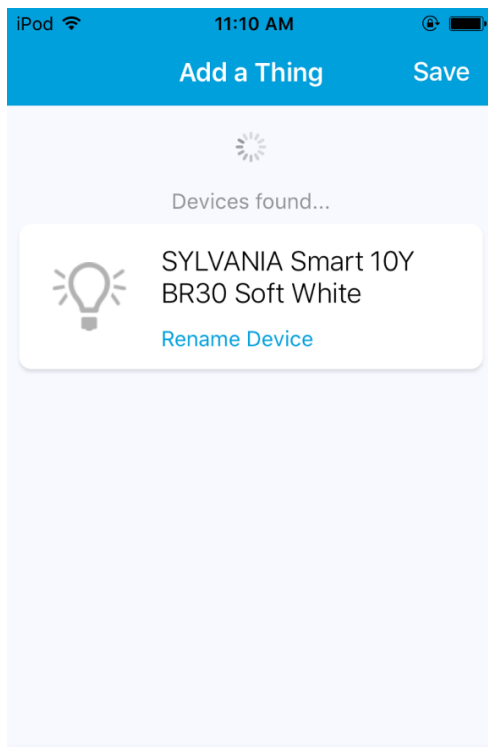


## 12. Click “Publish” and then “For me”:



The screenshot shows the SmartThings IDE interface for configuring a ZigBee White Color Temperature Bulb. The top navigation bar includes links for My Locations, My Hubs, My Devices, My SmartApps, My Device Handlers, My Publication Requests, Live Logging, and Documentation. A 'Welcome back' notification is visible in the top right. Below the navigation bar, there are buttons for 'modified', 'Save', 'Publish', 'IDE Settings', 'Device Type Settings', and 'Simulator'. The 'Publish' button is circled in red, and a red arrow points to the 'For Me' option in the dropdown menu. The main area displays a JSON configuration for the device, including capabilities like 'Health Check', 'Refresh', 'Switch', 'Switch Level', and 'Light', and attributes like 'colorName'. It also lists several fingerprint profiles with their respective inClusters, outClusters, manufacturers, and models.

13. Your custom Device Handler is now ready for action. Simply add the light bulb to SmartThings as usual and instead of appearing as a “Thing” it will have a name and control capabilities:



Want to add Echo, Arlo, or other devices?

[Add Device Manually](#)

