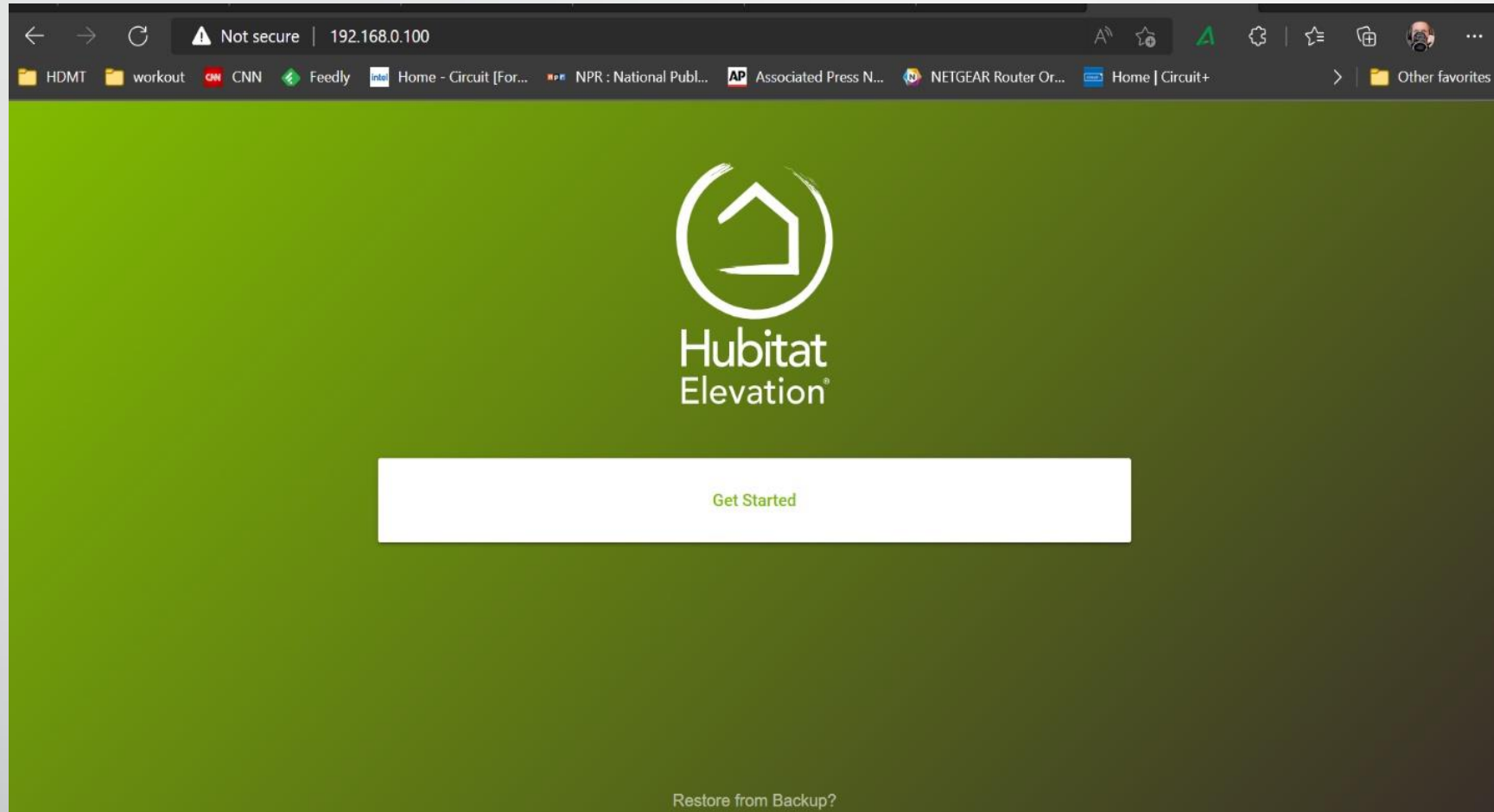




Configuring Hubitat

By: Julia Beiferman



Enter the Hubitat's IP address into the web browser to access the startup homepage. Select 'Get Started'



Hubitat®

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In order to start using Hubitat Elevation® please first review and agree to our [Terms of Service](#)

☒ I agree to the terms of service

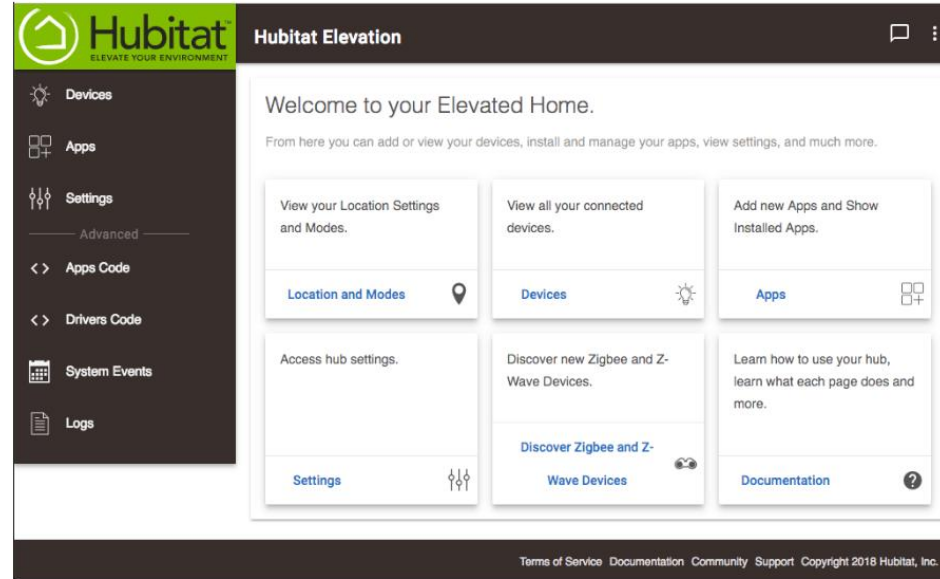
Continue

Agree to Terms of Service and continue.

Welcome to Hubitat Elevation®

Skip

Next



This quick tutorial will familiarize you with the Web UI and walk you through the devices, apps and settings pages.

For complete documentation, use the [Documentation](#) link in the Web UI footer

This will bring you to the tutorials page. Click 'Skip' if you are already familiar.

Back

Hubitat Elevation® Setup

To get started, you need to name your hub / location and enter a postal code to set your location. You can fine tune this in the Settings -> Location and Modes area.

Your Location Details:

Location / Hub Name


STTDLab

Postal Code


85226


Save and Exit to Main Menu


Next, enter location and postal code and hit 'Save and Exit to Main Menu'





Hubitat
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 Rooms


 Devices


 Apps


 Settings

 Subscriptions

Developer

 Apps Code

 Drivers Code

 Libraries Code


Settings


Hub Details	Hub detailed information
Check for Updates	New Platform Updates
Backup and Restore	Database backup and restore
Restore Apps	Restore Downloaded Apps
Hub Login Security	Turn Secure Login On or Off
Network Setup	Manage your network settings


Hub Global Values


Localization	Set the location and timezone of your hub
Modes	Manage Modes
Hub Variables	Create or remove Variables and Connectors
File Manager	Manage stored files


In the Main Menu click 'Settings' on the left and then 'Network Setup'

 Rooms


 Devices


 Apps


 Settings


 Subscriptions


Developer



 Apps Code

 Drivers Code

 Libraries Code

 Currently using **DHCP** [Network Test](#)

Static IP/DHCP configuration is for built in Ethernet port only. WiFi USB adapters always use DHCP.

If static IP information turns out to be incorrect, and hub's web interface is no longer accessible, please reset it back to DHCP and reboot by clicking and holding the [reset button](#) for 7 seconds or more.

IP address*

Click to set

Default gateway*

Click to set

DNS name server (default: 8.8.8.8)*

8.8.8.8

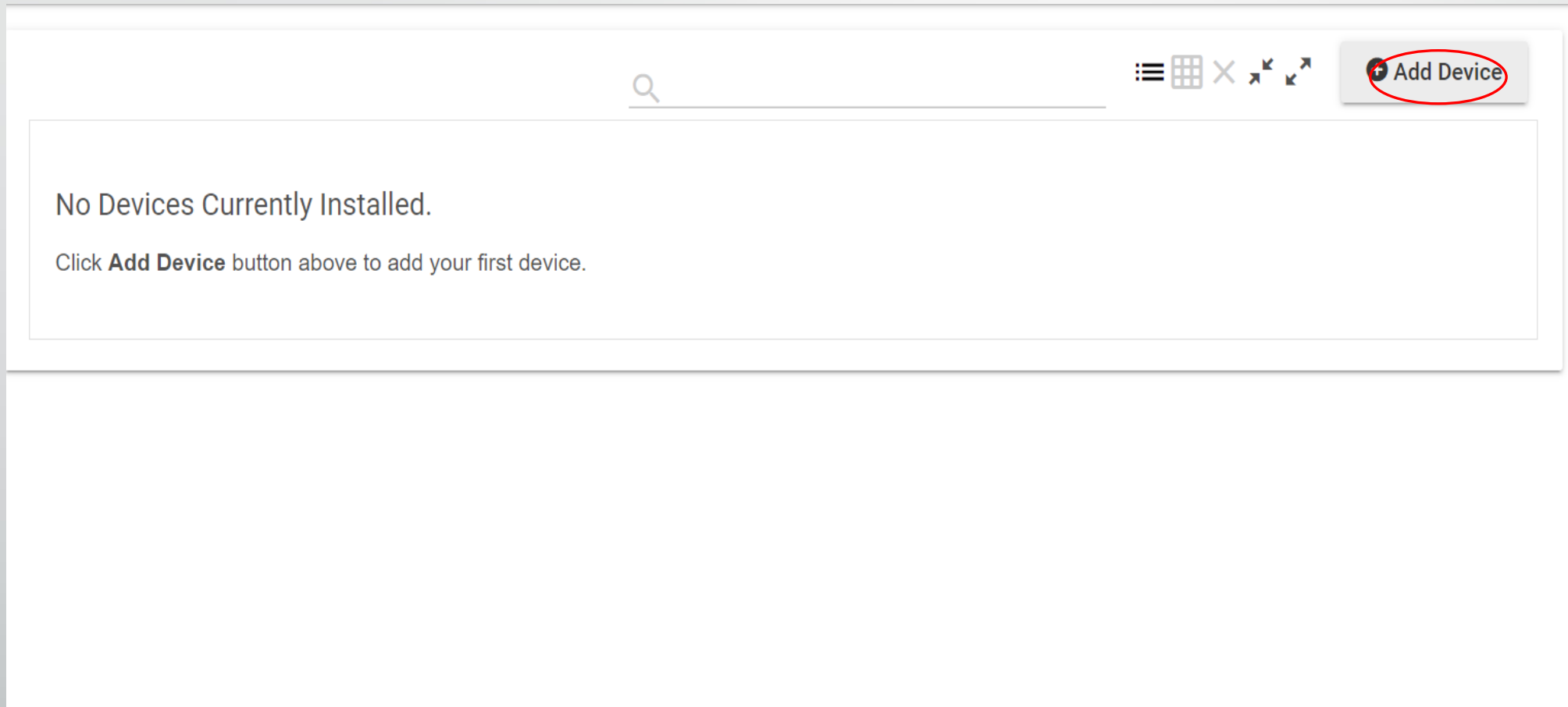
Subnet mask is fixed at 255.255.255.0

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Hard Configure the IP



Connecting Relays



At the bottom it will say no devices currently installed. Click the 'Add Device' button

Add device



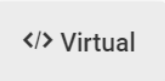
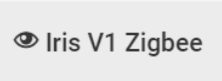
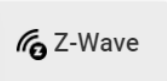
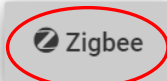
Find by device type
Bulbs, dimmers, locks, outlets, switches...



Find by brand
Aeotec, Bosch, Centralite, Dome, Ecolink...



Add device manually:



Make sure that the device has been factory reset.
Simply removing it from a previous mesh may not allow it to be joined.
A factory reset will ensure it is discoverable.

Start Zigbee Pairing

Select 'Zigbee' under Add device manually and then 'Start Zigbee Pairing' to pair relay to the Hubitat

Stop Zigbee pairing



Pairing, **5s** remaining

The following device has been added:

Device

iStart_TesterName

Save

[more...](#)

After you start Zigbee pairing, it should take about 60 seconds to be added. Choose a device name below and save.

Device

iStart_TesterName

Saved

What do you want to do next?

View device details

Test the functions of your new device (*highly recommended*) and see additional details.

Add another device

Start from the beginning to add a new device.

Automate devices

Open the Basic Rules app to build your first automation rules.

Below, select 'View device details'

iStart_TesterName

Device

27FC

Device Label

iStart_TesterName

Type *

Generic Zigbee Multi-Endpoint Switch

Zigbee Id

A4C138D6855A5A9C

Room

No room assigned

Event history size, per event type (1-2000)

20



Hub Mesh enabled

State history size, per attribute (1-2000)

30

Save Device

Under 'Type *' select 'Generic Zigbee Multi-Endpoint Switch' and hit 'Save Device'



Installing Apps Code

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Drivers Code

Rooms
Devices
Apps
Settings
Subscriptions
Developer
Apps Code
Drivers Code
Libraries Code
Bundles
Logs

Search

New Driver

Name	Namespace	Capabilities	Last Modified
Virtual iStart Device	TSTD.ISV		2015-01-02 3:32:06pm MST

Showing 1 to 1 of 1 entries

On the left select 'Driver Code' under Developer and push 'New Driver' to upload the driver code

modified

« Drivers code

Import

Spaces

4

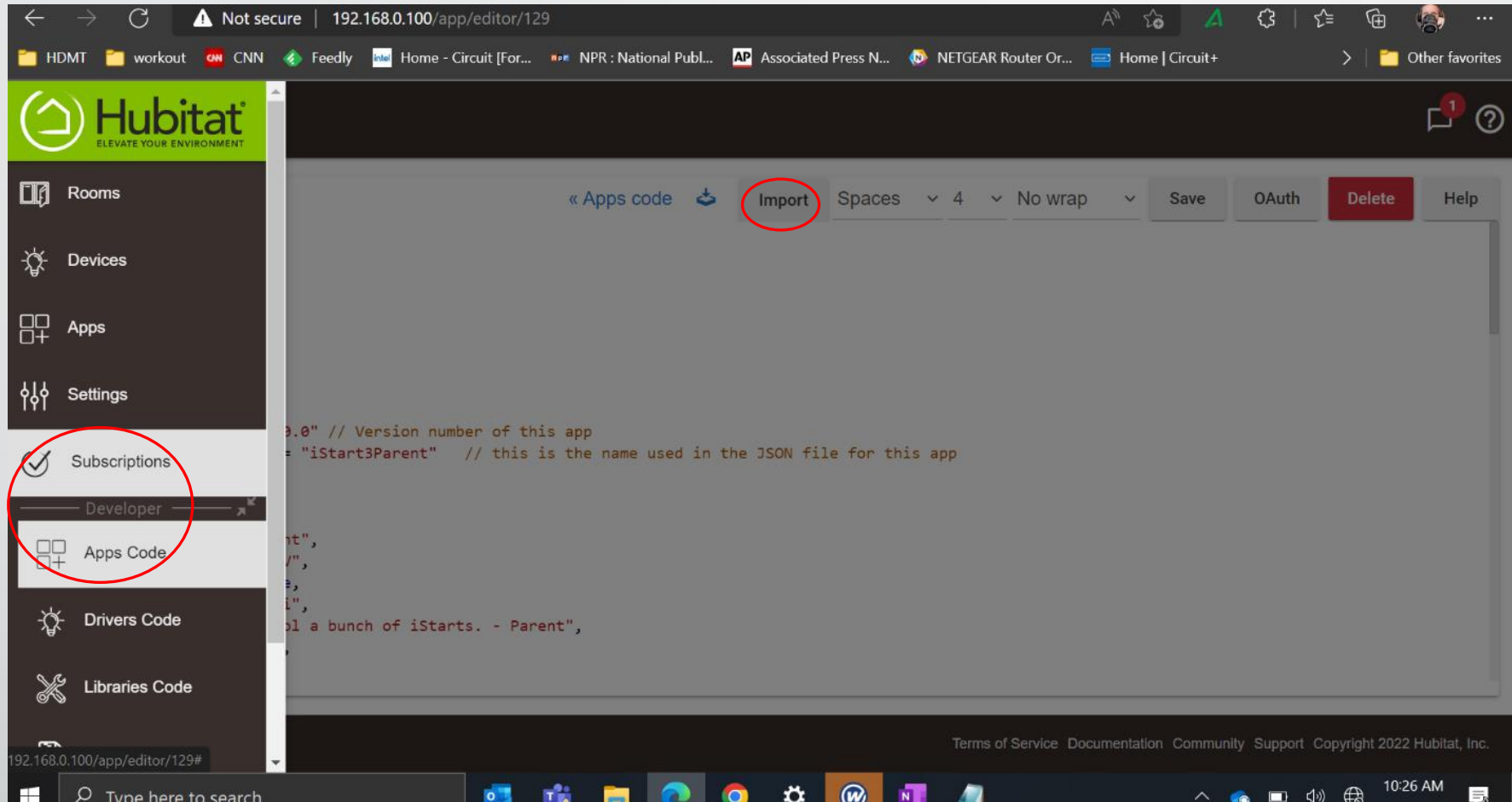
No wrap

Save

Help

```
1 metadata {
2   definition (name: "Virtual iStart Device", namespace: "ISV", author: "Julia Beiferman") {
3     capability "Actuator"
4     command "on"
5     command "off"
6     command "restart"
7   }
8   preferences {
9     input name: "txtEnable", type: "bool", title: "Enable descriptionText logging", defaultValue: true
10  }
11 }
12
13 def installed() {
14   log.warn "installed..."
15   off()
16 }
17
18 def updated() {
19   log.warn "updated..."
20   log.warn "description logging is: ${txtEnable == true}"
21 }
22
23 def parse(String description) {
24 }
25
26 def on() {
27   def descriptionText = "${device.displayName} was turned on"
28   if (txtEnable) log.info "${descriptionText}"
29   sendEvent(name: "switchPosition", value: "on", descriptionText: descriptionText)
30 }
31
32 def off() {
33   def descriptionText = "${device.displayName} was turned off"
34   if (txtEnable) log.info "${descriptionText}"
35   sendEvent(name: "switchPosition", value: "off", descriptionText: descriptionText)
36 }
37
38 def restart() {
39   def descriptionText = "${device.displayName} was restarted"
40   if (txtEnable) log.info "${descriptionText}"
41   sendEvent(name: "switchPosition", value: "restart", descriptionText: descriptionText)
```

Paste in the contents of 'actuator.groovy' and save the file.



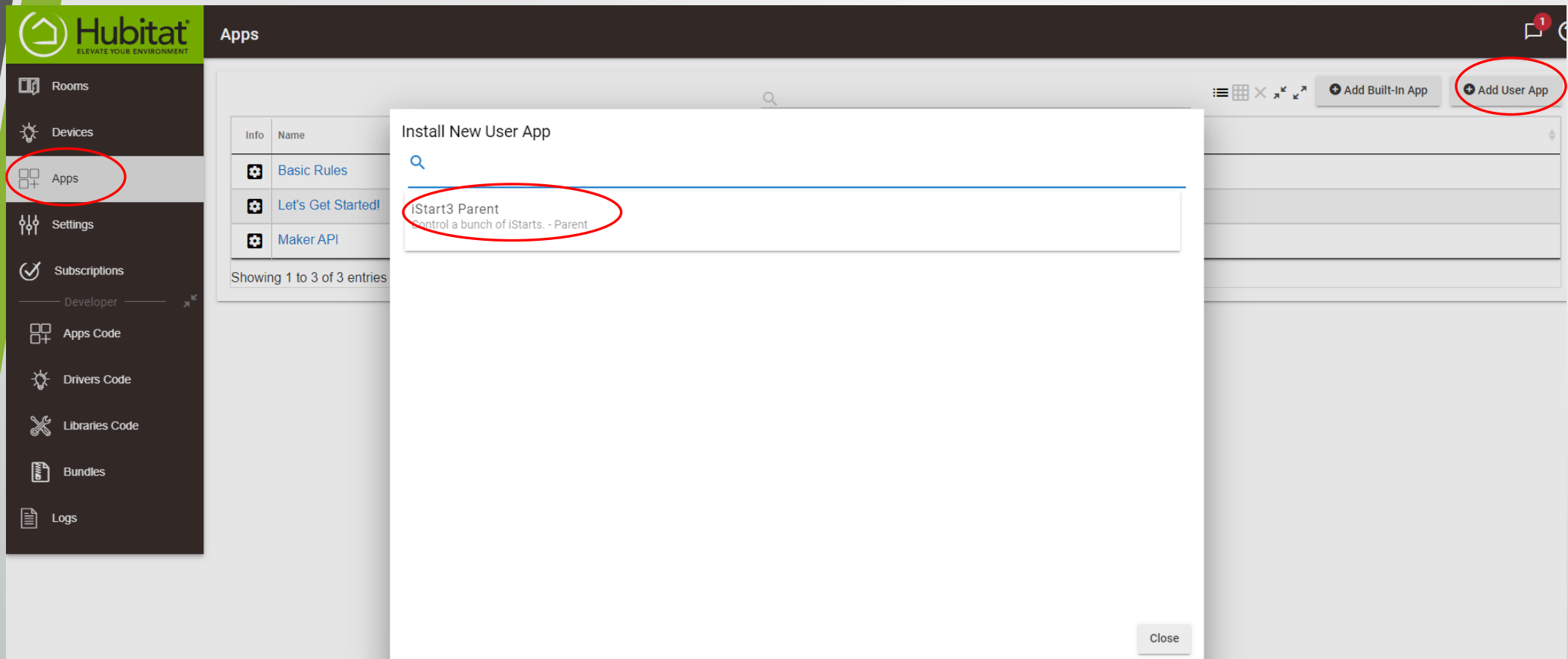
On the left select 'Apps Code' under Developer and push 'Import' to upload the Child.groovy code



The screenshot shows the iStart3 Child IDE interface. The title bar at the top reads "iStart3 Child" with a hamburger menu icon on the left and a notification icon with the number "1" and a question mark on the right. Below the title bar is a toolbar containing the following elements from left to right: a blue link "« Apps code", a blue download icon, a grey button "Import", a dropdown menu "Spaces" with a downward arrow, the number "4", another dropdown menu with a downward arrow, the text "No wrap", a third dropdown menu with a downward arrow, a grey button "Save" (which is circled in red), a grey button "OAuth", a red button "Delete", and a grey button "Help". The main area of the IDE displays Groovy code for an application named "iStart3 Child". The code is as follows:

```
1 def setVersion()
2 {
3     state.version = "1.0.0" // Version number of this app
4     state.InternalName = "iStart3Child" // this is the name used in the JSON file for this app
5 }
6 definition(
7     name: "iStart3 Child",
8     namespace: "TSTD.ISV",
9     author: "Craig Romei",
10    description: "Control an iStart relay box",
11    category: "Restart",
12    parent: "TSTD.ISV:iStart3 Parent",
13    iconUrl: "https://raw.githubusercontent.com/napalmcsr/SmartThingsStuff/master/smartapps/craig-romei/poolpump.jpg",
14    iconX2Url: "https://raw.githubusercontent.com/napalmcsr/SmartThingsStuff/master/smartapps/craig-romei/poolpump.jpg",
15    iconX3Url: "https://raw.githubusercontent.com/napalmcsr/SmartThingsStuff/master/smartapps/craig-romei/poolpump.jpg"
16 )
17 preferences {
18     page(name: "pageConfig") // Doing it this way eliminates the default app name/mode options.
19 }
20 def pageConfig()
21 {
```

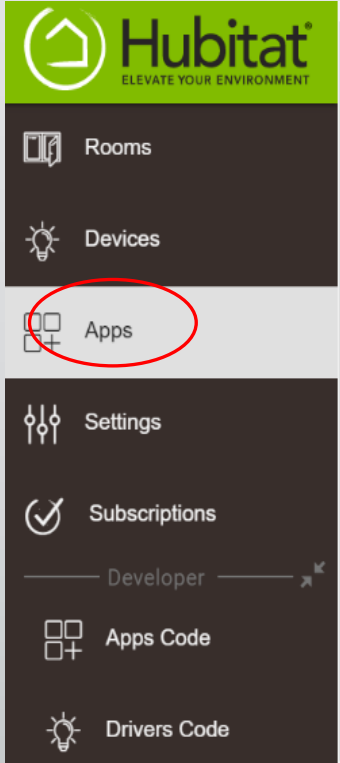
The result should look like this. Remember to save the file. Repeat the process with the 'Parent.groovy' code



Go back to the 'Apps' tab and click 'Add User App' to add the iStart3 Parent app.



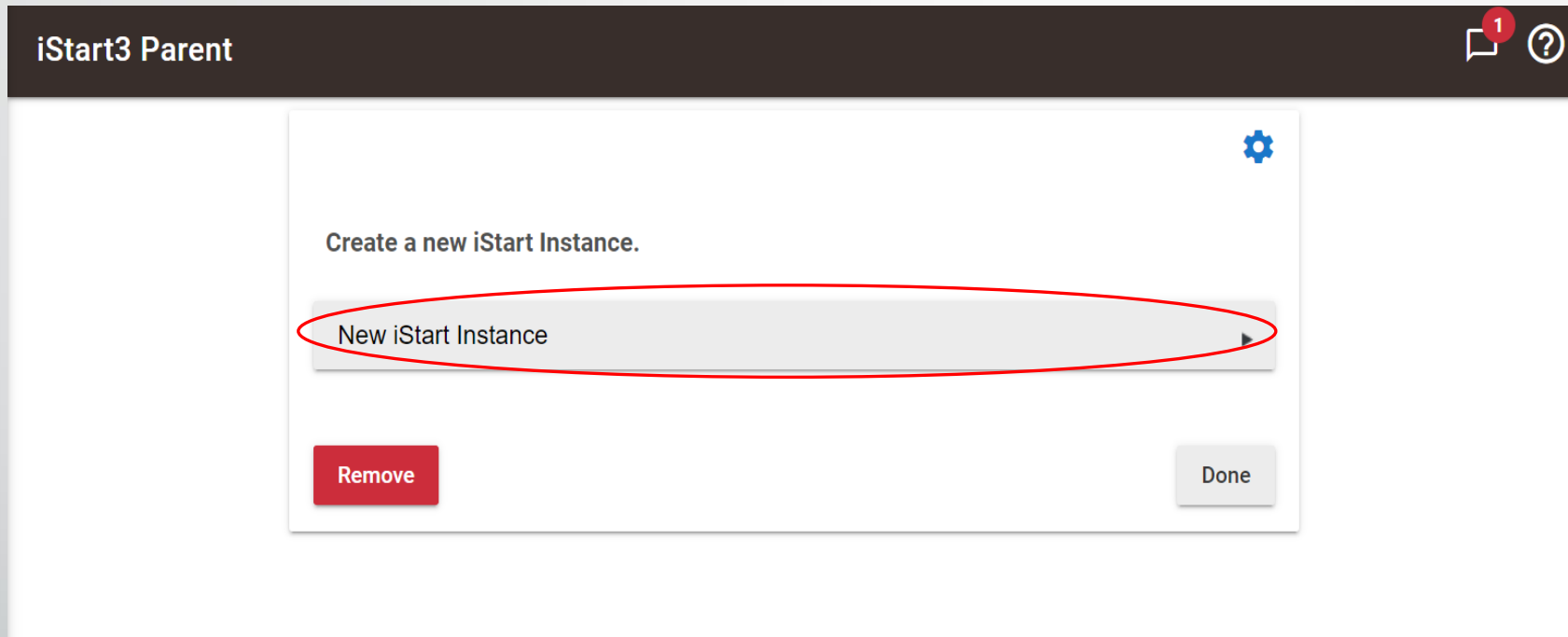
Adding a Tester




Apps

☰ ☐ ✕ ↶ ↷
+ Add Built-In App
+ Add User App

Info	Name ▲	Type ▼
	Basic Rules	Basic Rules
	iStart3 Parent	iStart3 Parent (user)
	Let's Get Started!	Let's Get Started!



Create a new iStart Instance

Hubitat
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Rooms

Devices

Apps

Settings

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Developer

Apps Code

Drivers Code

Libraries Code

Bundles

Logs

Tester 1

Enter a name for this automation*
Tester 1

iStart Relay Box

Run: *
iStart_TesterName EP01

Start: *
iStart_TesterName EP02

Logging

IDE logging level *
NeedHelp

Remove

Done

Enter a name for the automation and set 'Run' and 'Start' to their respective relays. Hit 'done'. Repeat this process for every tester that needs to be added.

An abstract graphic in the top-left corner consisting of several parallel lines in shades of green and grey, creating a sense of depth and movement.

Maker API

The screenshot shows the Hubitat 'Apps' management interface. On the left is a dark sidebar with the Hubitat logo and a list of navigation items: Rooms, Devices, Apps (highlighted with a red circle), Settings, Subscriptions, Developer, Apps Code, Drivers Code, Libraries Code, Bundles, and Logs. The main content area is titled 'Apps' and contains a table with columns 'Info' and 'Name'. The table lists three items: 'Basic Rules', 'iStart3 Parent Tester 1', and 'Let's Get Started!'. In the top right corner of the main area, there are two buttons: 'Add Built-In App' (circled in red) and 'Add User App'. A modal window titled 'Install New Built-In App' is open in the center, featuring a search bar with 'Maker API' entered (circled in red) and a search result for 'Maker API' with a description: 'Maker API allows for simple GET based requests to endpoints to get selected devices information.' A 'Close' button is located at the bottom right of the modal.

Info	Name
	Basic Rules
	iStart3 Parent Tester 1
	Let's Get Started!

Showing 1 to 3 of 3 entries

Clicking on the Apps tab again, you should see your newly made child app under 'iStart3Parent'. In this example: 'Tester 1' On the upper right corner click 'Add Built-In App' and search for Maker API

The screenshot displays the Hubitat Maker API web interface. On the left is a dark sidebar with the Hubitat logo and a list of navigation items: Rooms, Devices, Apps, Settings, Subscriptions, Developer, Apps Code, Drivers Code, Libraries Code, Bundles, and Logs. The 'Apps' item is currently selected. The main content area is titled 'Maker API' and has a sub-header 'Allow Endpoint to Control These Devices'. Below this is a 'Select Devices' button with the text 'Click to set', which is circled in red. A list of devices follows, each with a checkbox: 'Toggle All On/Off', '2 Relay Board', 'Generic Zigbee Multi-Endpoint Switch EP01', 'Generic Zigbee Multi-Endpoint Switch EP02', 'iStart_TesterName', 'iStart_TesterName EP01', 'iStart_TesterName EP02', 'iStart_TesterName EP03', 'iStart_TesterName EP04', and 'Tester 1 iStart'. The 'Tester 1 iStart' option is checked and also circled in red. At the bottom right of the device list is an 'Update' button, also circled in red. Below the device list, there is a warning message: 'WARNING: Any device selected here will have full access to its attributes and events as well as have the ability to send any command to the device'. This is followed by a field for 'URL to POST device events to' with a 'Click to set' link. Two toggle switches are present: 'POST location events?' (currently off) and 'Ignore SSL Certificates?' (currently off). Below these are two more toggle switches under the heading 'Allow Endpoint to Control Modes or HSM': 'Allow control of modes' (currently on) and 'Allow control of HSM' (currently on). At the bottom, there is a section for 'Endpoints' and a label for 'Local URLs:'.

On the Maker API page, click on 'Select Devices' and choose the child app(s) you made, its device name should be followed by 'iStart' and hit 'Update'.

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Maker API

Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer
Apps Code
Drivers Code
Libraries Code
Bundles
Logs

Allow Endpoint to Control Modes or HSM

☒ Allow control of modes ☒ Allow control of HSM

Endpoints

Local URLs:

URLS:
Get All Devices
Get All Devices with Full Details

Get Device Info (replace [Device ID] with actual subscribed device id)
`http://192.168.0.101/apps/api/226/devices/[Device ID]?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Get Device Event History (replace [Device ID] with actual subscribed device id)
`http://192.168.0.101/apps/api/226/devices/[Device ID]/events?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Get Device Commands (replace [Device ID] with actual subscribed device id)
`http://192.168.0.101/apps/api/226/devices/[Device ID]/commands?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Get Device Capabilities (replace [Device ID] with actual subscribed device id)
`http://192.168.0.101/apps/api/226/devices/[Device ID]/capabilities?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Send Device Command (replace [Device ID] with actual subscribed device id and [Command] with a supported command. Supports optional [Secondary value])
`http://192.168.0.101/apps/api/226/devices/[Device ID]/[Command]/[Secondary value]?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Send POST URL (replace [URL] with actual URL to send POST to (URL encoded))
`http://192.168.0.101/apps/api/226/postURL/[URL]?access_token=e27023c9-58e1-4439-8785-7ea7d9219d4a`

Remove Done

At the bottom of the page, copy the Maker API URL and Hubitat Access onto your computer or keep this page up for reference.

The access token is a long string of characters at the end of each URL. The Maker API URL should follow the format. :

[https://\[hub-ip-address-or-hostname\]/apps/api/\[app-id\].](https://[hub-ip-address-or-hostname]/apps/api/[app-id].) Remember to hit 'done'.

Settings:

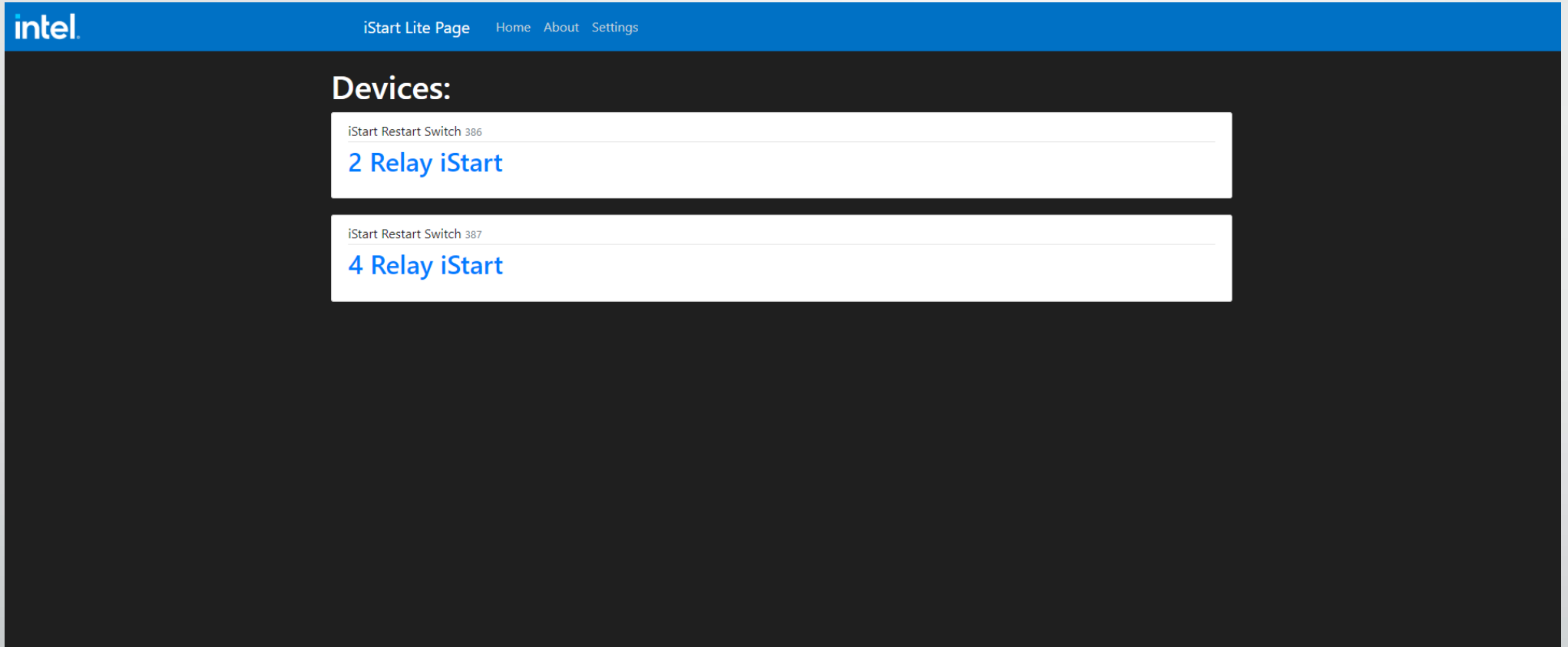
Hubitat Access Token:

Maker API URL

[Save](#)[Edit](#)

[How to get URL and Access Token?](#)

Copy these values into the settings tab of the iStart Lite Page after clicking 'Edit' and then click 'Save'



If you have successfully connected to MakerAPI, click home. The testers that you have configured should be added automatically. Click on the names to get started.