

ClodPi Labs ATOM Hub Home Assistant Configure Open Thread Steps

ClodPi Labs ATOM Hub for Home Assistant can be integrated with Open Thread protocol (Tread Networking protocol) thereby easily allowing you to connect to Thread network and make 'ATOM Hub For Home Assistant' - a Thread Border Router.

Prerequisite:

User should be ready with below listed items beforehand:

- ClodPi Labs ATOM Hub for Home Assistant device
 - Onboard ATOM Hub to Home Assistant platform and account created
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Steps to configure:

Step 1. ATOM Hub – Logon to Home Assistant Home page:

- Connect power and internet to your ATOM Hub device
- Notice the Red and Blue LEDs on the device are ON
- Take a laptop / smart phone
- Connect it to the same network as your ATOM Hub device is connected to
- On your Laptop / Smart phone, open a browser
- Enter: <http://homeassistant.local:8123>
- Home Assistant application Home page should open up as shown in adjacent image
- Log in to Home Assistant using your credentials

Home Assistant

Are you ready to awaken your home, reclaim your privacy and join a worldwide community of tinkerers?

Let's get started by creating a user account.

Name

Username

Password

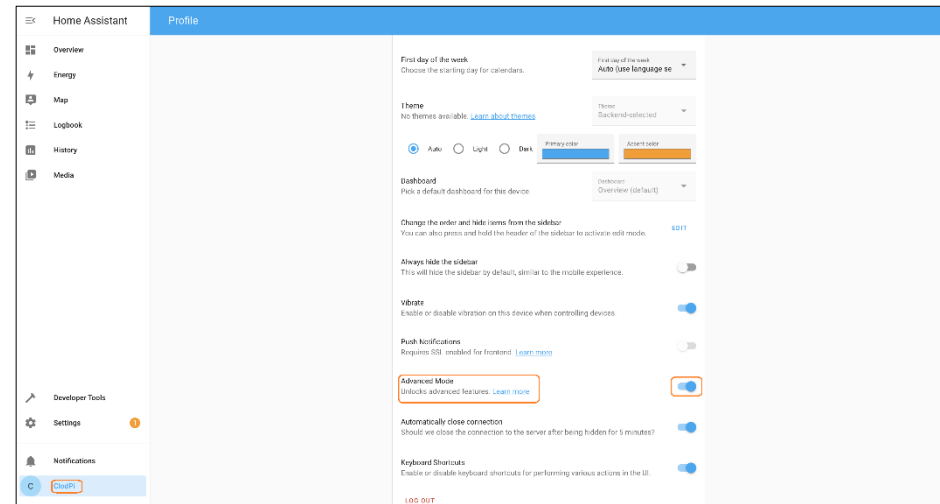
Confirm Password

CREATE ACCOUNT

Alternatively you can restore from a previous backup.

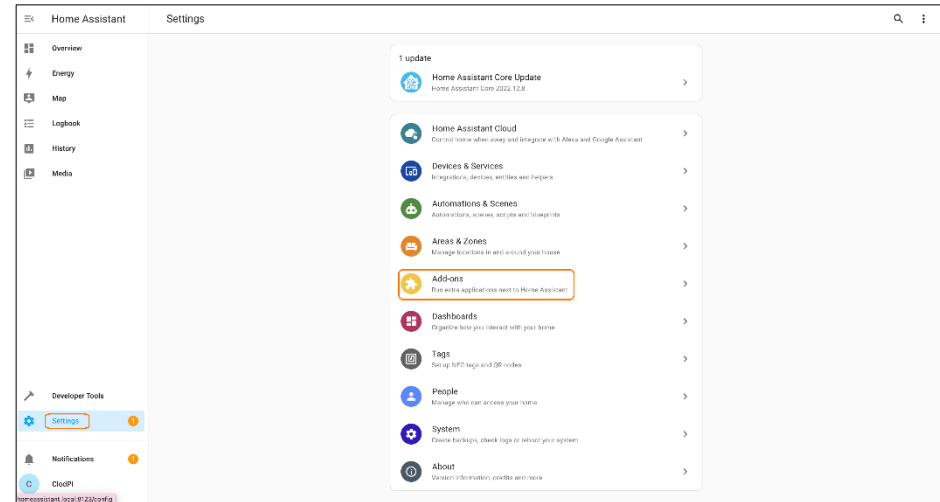
Step 2. Profile > Advanced mode option

- Click: your device name (*as highlighted in image)
- Enable option: Advance mode



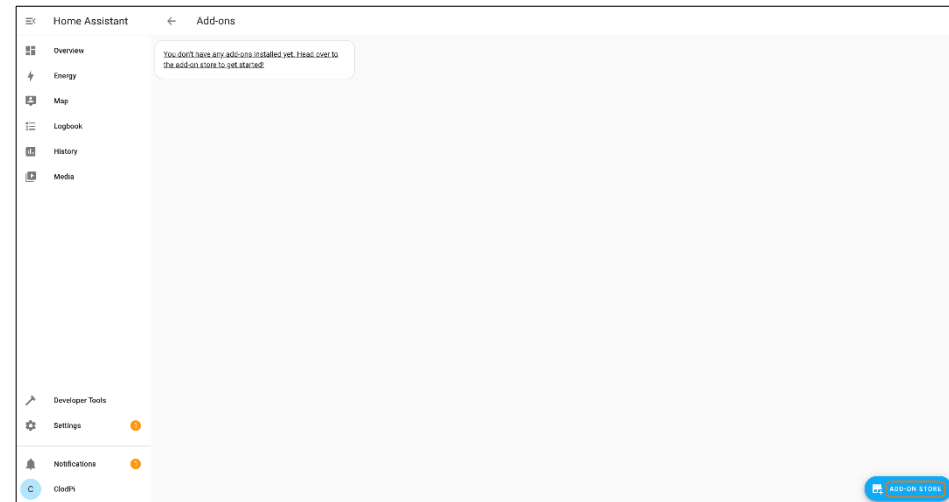
Step 3. Settings > Add-ons

- Click: Settings
- Settings options will be displayed
- Click: Add-ons



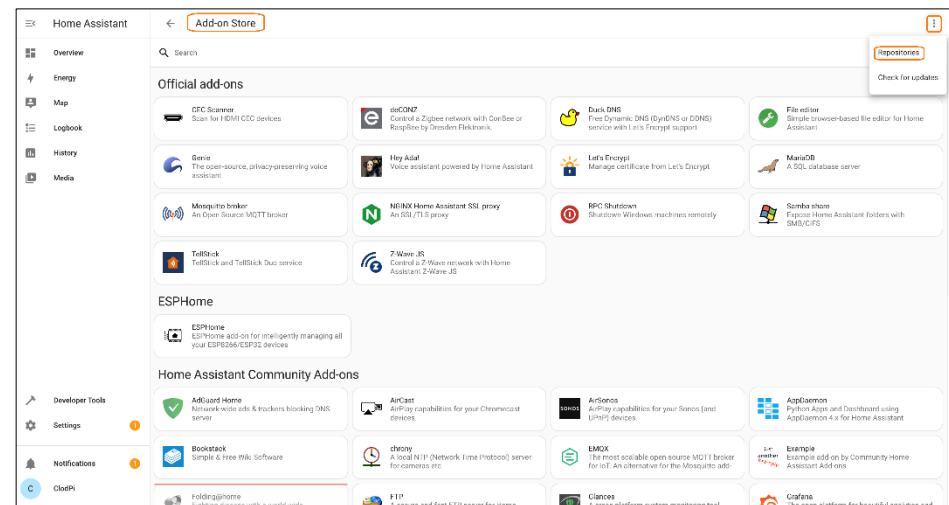
Step 4. Add-ons page:

- Click “ADD-ON STORE” button available at the bottom right of the page



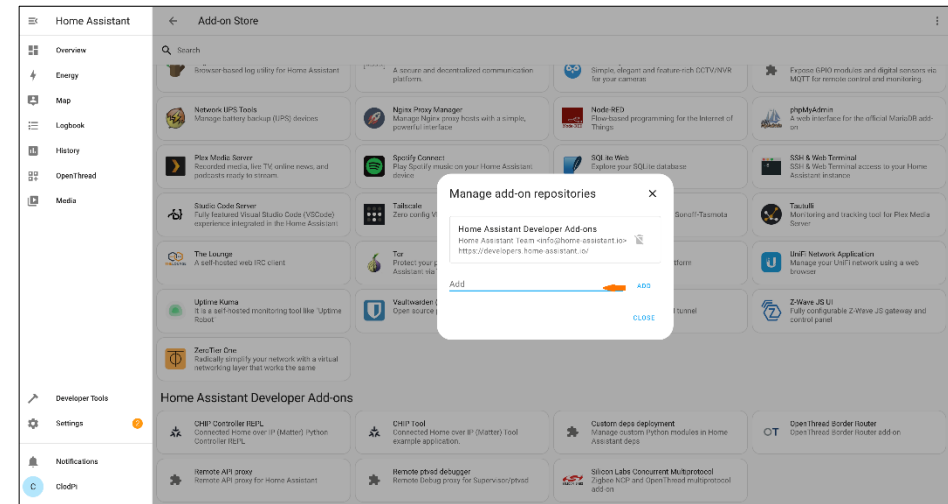
Step 5. Add-on Store > Repositories:

- On Add-on Store page, click the icon (3 dots) available on top right corner
- Two options are displayed: Repositories, Check for updates
- Click: Repositories



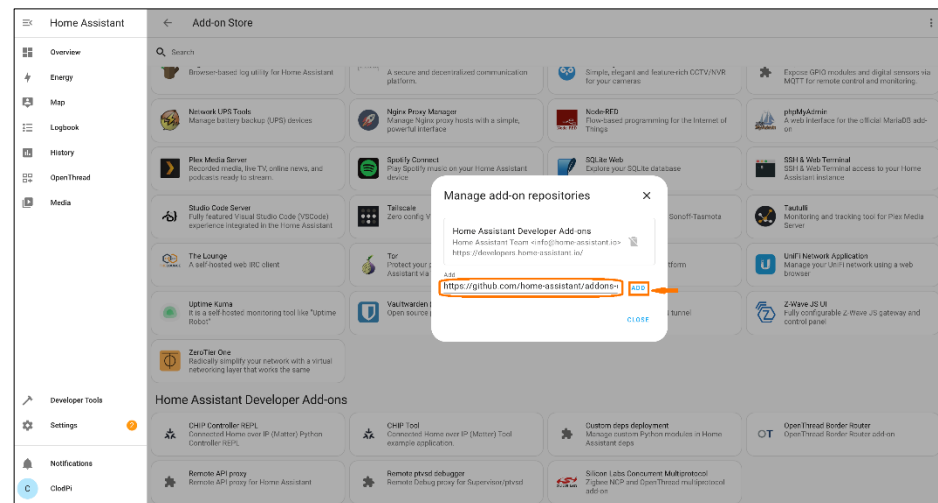
Step 6. Manage add-on repositories:

- 'Manage add-on repositories' pop-up will be displayed
- You need to provide the repository url for OpenThread Border Router



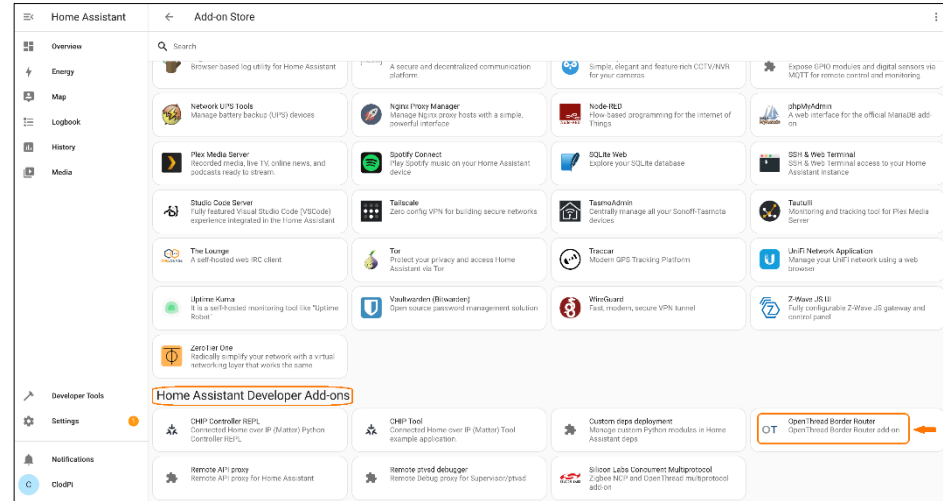
Step 7. OpenThread Border Router url:

- Enter the repository url: <https://github.com/home-assistant/addons-development>
- Click: Add



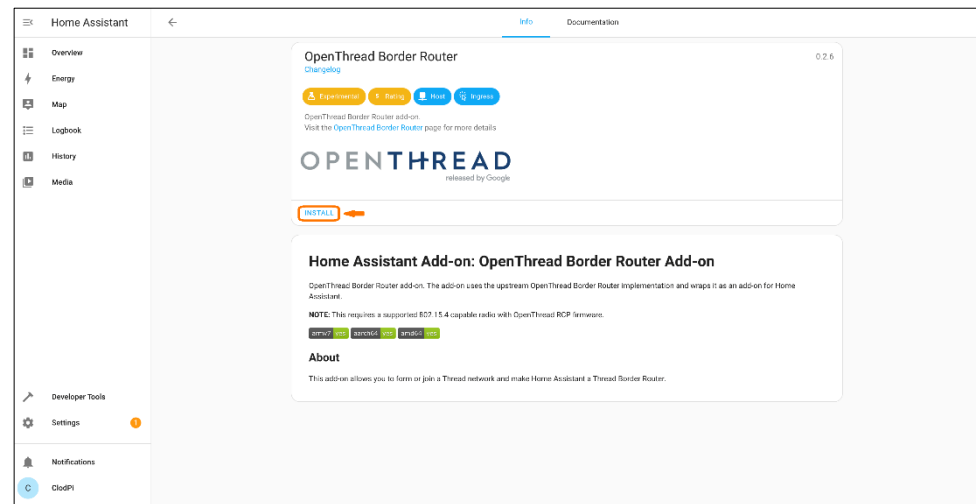
Step 8. Home Assistant Developer Add-on:

- After adding the repository url
- Click: Close
- At 'Home Assistant Developer Add-on' section, you should see 'OpenThread Border Router' tile / option
- Click: 'OpenThread Border Router' tile / option



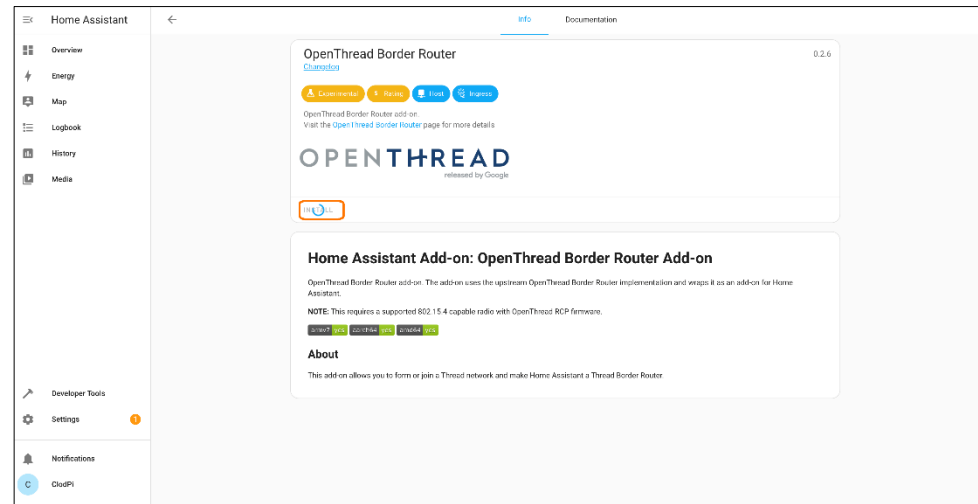
Step 9. OpenThread Border Router > Install:

- Click: Install
**to install the add-on*



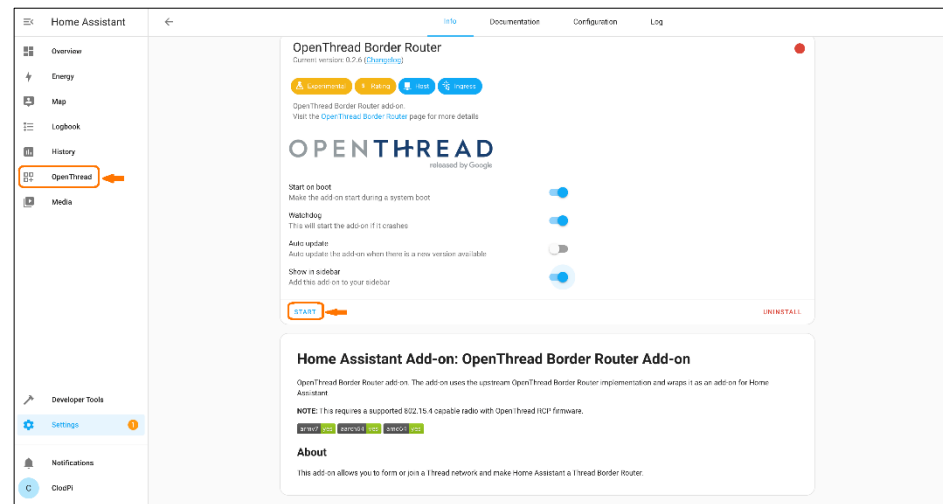
Step 10. OpenThread Border Router > installation process:

- It will take a few seconds to complete the installation process



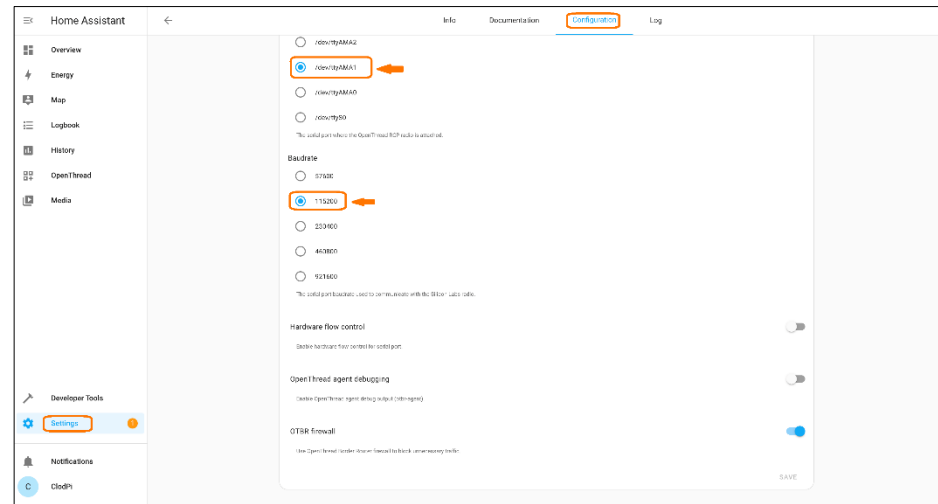
Step 11. OpenThread Border Router > Install complete:

- On success, observe 'Open Thread' option on the left menu tree will be displayed.



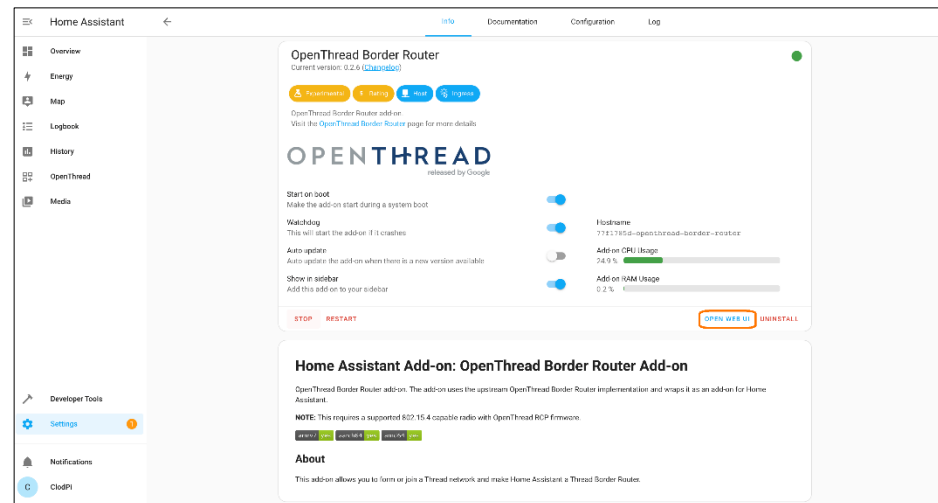
Step 12. OpenThread Border Router > Configuration:

- Click tab: Configuration
- Select below options:
 - ✓ Device = /dev/ttyAMA1
 - ✓ Baudrate = 115200
 - ✓ OTBR firewall: enable the option if not done by default



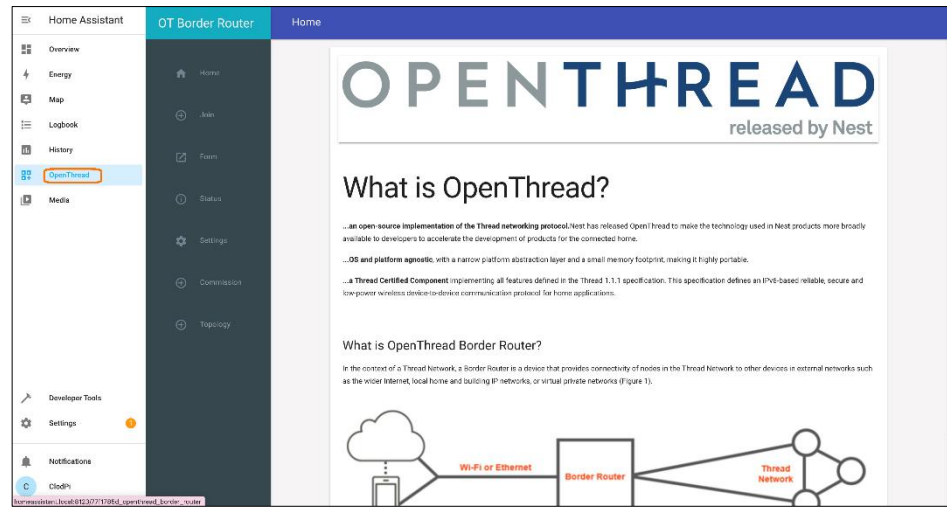
Step 13. OpenThread Border Router > Open:

- Click: OPEN WEB UI



Step 14. OpenThread Border Router > Web UI:

- OpenThread Border Web will open
- Please follow the OpenThread community at Home Assistant here: <https://community.home-assistant.io/t/openthread-connectivity-protocol/403633>



Now you can proceed with other use cases with your Home Automation using ATOM Hub for Home Assistant!