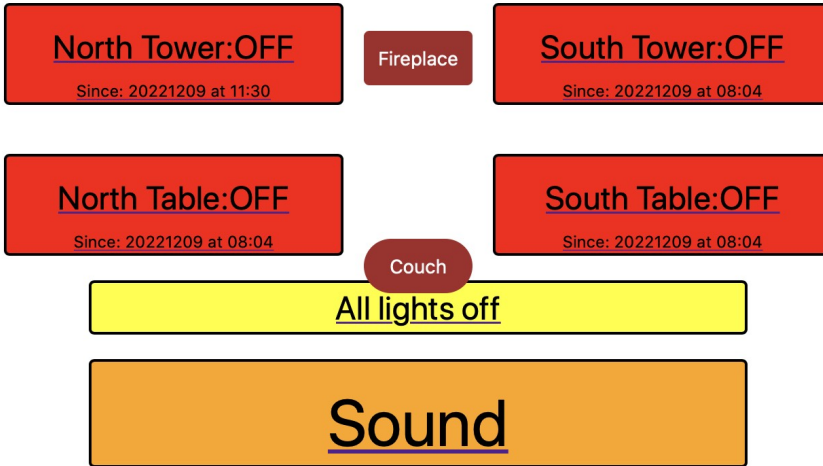


# Living Room Lights

23:14 2C



# Sound

Current volume is 30

Return

## Volume



Mute

Stop

Select Speakers

Select CBC  
Station

Select SiriusXM  
Station

YAML Lint tool  
<https://www.yamllint.com>

<https://www.wundertech.net/how-to-install-hacs-on-home-assistant/>

## Added SSH and Terminal

1. Select your **User Account** in the bottom left.
2. Enable **Advanced Mode** in the account options.
3. Now that **Advanced Mode** is enabled, we can install the **Terminal & SSH** application. Select **Settings** in the bottom left.
4. Select **Add-ons**.

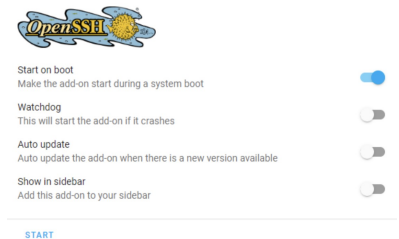
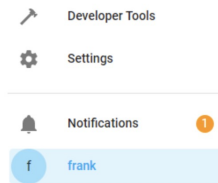
In the bottom right, select **Add-On Store**.

Search for **Terminal & SSH**, then select the **Official** add-on.

Select the **Install** option.

When it's done installing, select **Start** in the bottom left. You can also enable any of the other options

After it's started, select **Open Web UI** in the bottom right.



## Added HACS

Add SSH and Terminal (described above) then start it and Open Web UI (see above) Paste the command below in the terminal window by pressing CTRL + SHIFT + V. If you have trouble pasting it in, type the command into the terminal window and press enter.

```
wget -O - https://get.hacs.xyz | bash -
```

HACS will be downloaded. When it's done downloading, run the command below to restart Home Assistant.

```
ha ha restart
```

After Home Assistant connects, select Settings, then Devices & Services.

In the bottom right, select Add Integration.

Search for HACS and select it.

If you agree with everything, select all options and then Submit.

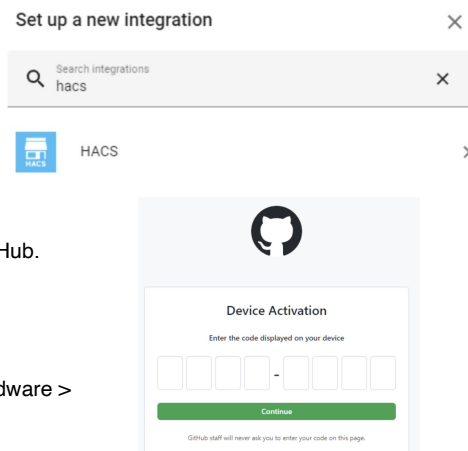
Copy the code that Home Assistant provides and then select the link to sign into GitHub.

Sign in to GitHub, then paste in the code from the previous step.

If you'd like to proceed, select Authorize HACS.

HACS is now installed! It's best to reboot now by selecting Settings > System > Hardware > Reboot Host (top right corner).

After Home Assistant loads back up, HACS will be fully installed and ready to use!




# Home Assistant (HA) Terminology

Each installation of Home Assistant (HA) is referred to as an "instance".

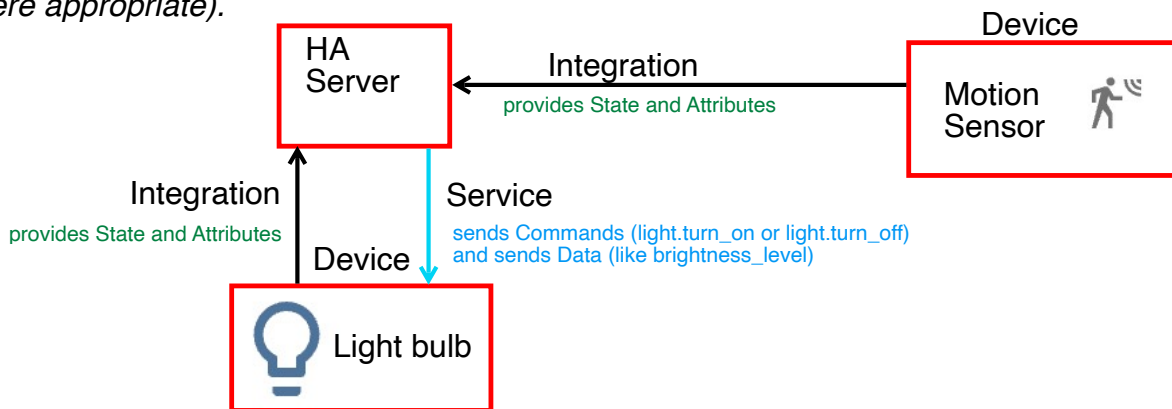
Device (a "thing" like a Motion Sensor - which can measure motion, temperature and light level)

Entity (an aspect of the Device like Temperature)

- ID (Sensor.bedroom\_sensor\_temp) *This is the "Domain" of the entity*
  - Name (Bedroom Sensor Temp) - often referred to as the "friendly name"
  - Icon  mdi:thermometer
  - State (19) - current temperature value
  - Attribute (unit of measure)
  - Attribute (battery level)
  - Attribute (...)
- Entities can only have one State but can have many Attributes

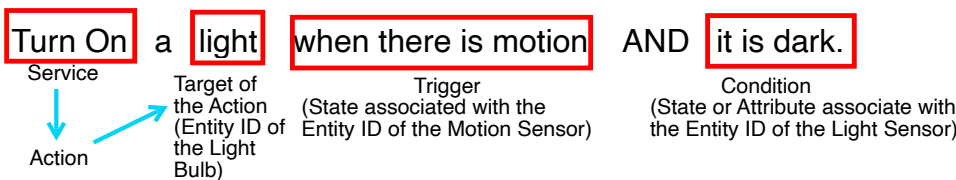
## Integrations - A simple example

A Device is "Integrated" into HA and then through the Integration the Device is able to provide State and Attribute information to HA and through Services HA provides Commands and Data to control the Device (where appropriate).



## Automations - A simple example

Assume that we want to turn on a light when there is motion detected AND it is dark. To do this, we will use an HA Automation.



The "Trigger" is the primary condition upon which the Action is dependent. So, in this instance, you might want to turn on the light when there is motion but it is not dark, but it is not likely that you would want to turn on the light when it is dark but there is no motion. The "Trigger" is a change in the "Platform State" (in this instance from off [no motion detected] to on [motion detected]). The "Condition" filters the Trigger (if desired) to a smaller set of circumstances.

In an Automation, an ACTION is taken on a TARGET based on a TRIGGER and (optional) associated CONDITIONS.