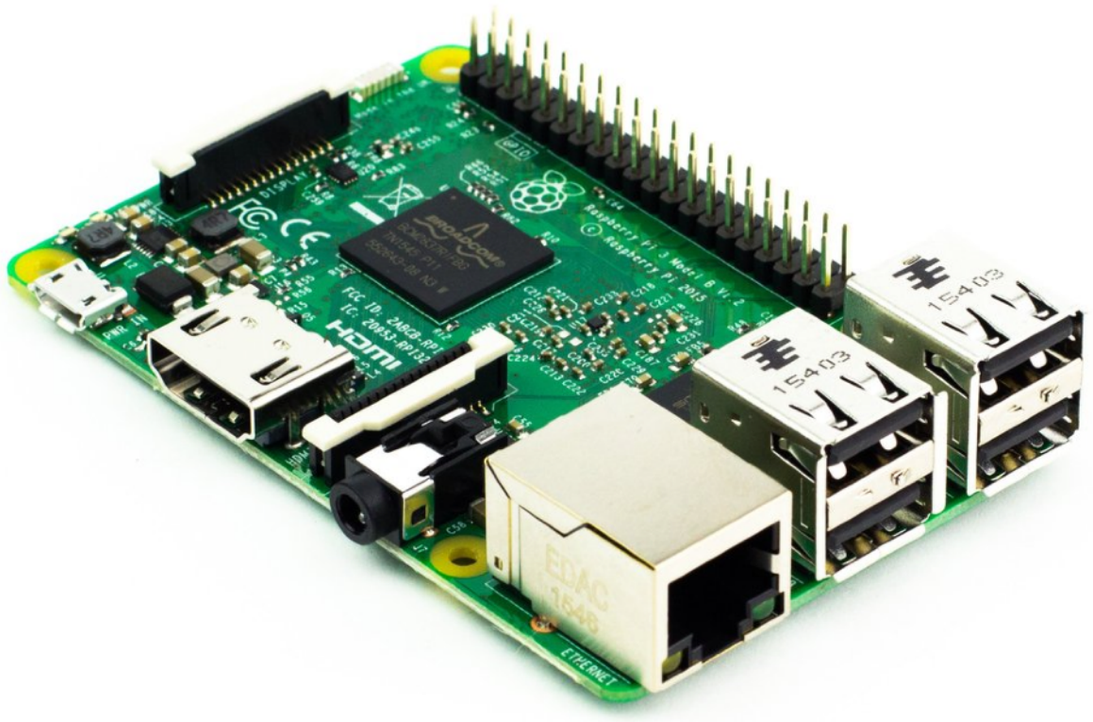

Creating and Amazon Echo Clone with your Rapberry Pi

Why?

$40 or $50

$35 + peripherals
~ $50 - $70

Because..

- It’s fun
  - You will learn hacking skills
- You can create custom Alexa skills
  - Connect other devices to Raspberry Pi GPIO pins
  - Control other devices connected to your network

Parts needed

- Raspberry Pi 3
- USB microphone
- Speaker with 3.5 mm jack connection
- Power Adapter
- SD Card flashed with Raspbian

- Optional
  - USB Keyboard/Mouse
  - Monitor (HDMI/VGA)
  - HDMI/VGA cable

Steps

- Step 1
    - Connect all your components and boot up
- Step 2
    - Register for a free Amazon Developer Account and create a Product
        - Make a note of your Security Profile ID, Client ID and Client Secret

Steps

- Step 3
  - Install Git and Alexa Pi
    - sudo apt-get update
    - sudo apt-get install git
    - cd /opt
    - sudo git clone https://github.com/alexa-pi/AlexaPi.git

Steps

- Step 4
  - Run the Alexa Pi installation script
    - sudo ./AlexaPi/src/scripts/setup.h
    - Let the script run and install, accept defaults
    - Answer No to AirPlay support
    - Provide Device ID/ Security Profile/ Client ID/ Client Secret

Steps

- Step 5
    - Enter the following in a browser
        - http://rpi_ip_address:5050
    - Select allow access for the profile to Alexa
    - Close browser
    - Enter the following command at the terminal
        - sudo systemctl start AlexaPi.service

Steps

- Step 6
  - Test it out!
    - Say “Alexa”
    - Ask any question!!
- To stop the service
- sudo systemctl stop AlexaPi.service