Raspberry Pi 2

# What we need

* Raspberry Pi 2
* Formatted 8gb micro SD card
* Micro USB power cable with an AC adapter.
* HDMI cable
* Usb keyboard
* USB mouse

# Install OS

* In order to install a basic Rasbian operating system, you can download the zip file from <https://www.raspberrypi.org/downloads/noobs/>. For the sake of convenience we have downloaded NOOBS and unzipped it to the micro SD labeled NOOBS.
* Attach the micro SD to the Raspberry Pi and power up.
* Make sure you use a power cable with an AC adapter, this prevents the Raspberry from being confused! – Think about why.
* Use a USB port to attach a keyboard and mouse.
* Once you see Raspbian as your first choice… connect to a network.
* If you are connected to the network you should see Raspbian, Kodi, OSMC and other operating systems to pick from.
* Take a moment to go through the various operating systems and their descriptions.
* When prompted pick Rasbian as the chosen OS to install and install it.

# Install Apache Webserver

* On a terminal window run the following command

sudo apt-get install apache2 –y

* By default, Apache puts a test HTML file in the web folder. This default web page is served when you browse to http://localhost/ on the Pi itself, or http://192.168.1.10 (whatever the Pi's IP address is) from another computer on the network. To find the Pi's IP address, type hostname -I at the command line (or read more about finding your IP address).
* Create something interesting to share with the team.

# Shut down Rasbian

* To shut down, go to the Rasbian Menu and select shut down.
* When prompted, click on OK
* You can keep the Raspberry Pi powered up for the next exercise.
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# Install An XBMC Media Player

XBMC comes in a number of different flavors, so the next step is [choosing which one you want to install from their download page](http://xbmc.org/download/). You can install it as a regular program atop your Windows, Mac, or Linux system, which makes it easy to use other programs on your media center whenever you want—like playing video games (which we'll discuss in more detail later) or even just browsing the web from your couch. However, if all you want is XBMC with no other hassle, you could just install XBMCbuntu, which is a minimal Linux installation with XBMC on top of it. You can boot straight into XBMC by turning on the computer, and boot into a Linux desktop on the rare occasion you need to tweak some system-level settings.

* Download the software from <https://osmc.tv/> This has already been saved to a micro SD.
* Swap out the other micro SD with the one with the XBMC software.

