Prerequisites for Vagrant, VirtualBox, and Docker Session

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Why Prerequisites?

- Because of the size of the installable downloads required for this hands-on lab, it is strongly recommended that you preform these steps at home on a fast network before attending the session:
  - Download and Install VirtualBox and Vagrant
  - Clone the git repo that has the lesson material
  - Bring up the Vagrant images at least once to download packages and install Docker Engine

Some Assembly Required

- Tools you will need to complete this lab:
  - Computer running OS X, Linux, or Windows*
  - Internet Access to download boxes
  - Text Editor (…i will use Atom.io)
  - GitHub Account
  - PC users must have "*VT-x/AMD-V hardware acceleration*" turned on in your BIOS for VirtualBox to work.

* Windows users may need an ssh client

Installing VirtualBox

https://www.virtualbox.org/wiki/Downloads

Installing Vagrant

https://www.vagrantup.com/downloads.html

Install VirtualBox and Vagrant

- Once you have the downloads for your OS:
  - Install VirtualBox taking all of the defaults
    - If prompted to download extensions say yes
  - Install Vagrant taking all of the defaults

Clone the Project from GitHub

- You should clone this project and run **`vagrant up`** to download all of the need components and they use **`vagrant halt`** to stop everything until you get to the LISA16 session

```
$ git clone https://github.com/rofrano/lab-vagrant.git
$ cd lab-vagrant
$ vagrant up
$ . . . <— lots will happen here
$ vagrant halt
```

What did 'vagrant up' do?

- In addition to having Vagrant and VirtualBox installed before the session, by performing these steps you will have:
  - Downloaded a Linux Ubuntu Trusty 64 box
  - Downloaded and installed all of the packages needed for the session
  - Downloaded and installed Docker Engine onto the virtual machine
  - Pull the Docker images needed for the session

That’s It !!!