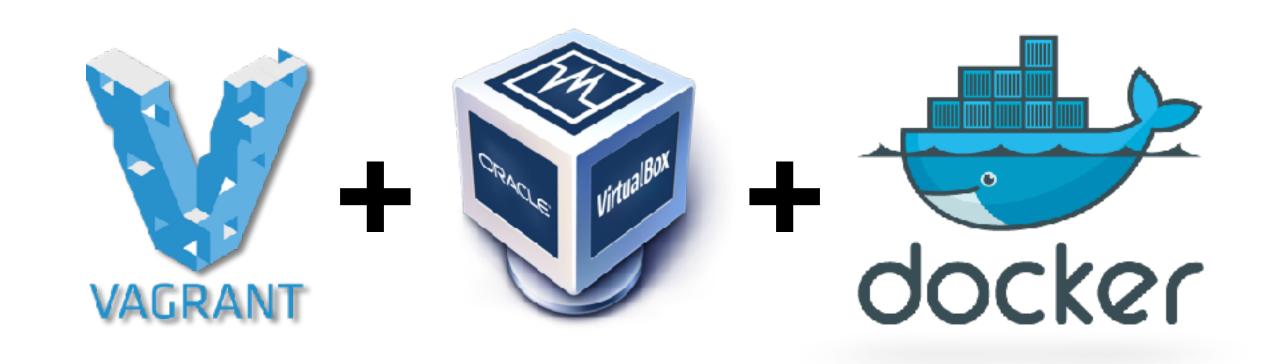
Prerequisites for Vagrant, VirtualBox, and Docker Session



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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.





Installing VirtualBox

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



VirtualBox

Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- VirtualBox platform packages. The binaries are released under the turns of the GPL version 2.
 - VirtualBox 5.0.20 for Windows hosts ⇒x86/amd64
 - VirtualBox 5.0.20 for OS X hosts ⇒ amd64
 - VirtualBox 5.0.20 for Linux hosts
 - VirtualBox 5.0.20 for Solaris hosts ⇒ amd64
- VirtualBox 5.0.20 Oracle VM VirtualBox Extension Pack → All supported platforms
 Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See this chapter from the User Intellection The Extension Pack binaries are released under the VirtualBox Personal Use and Evaluation License (PUEL).
 Please install the extension pack with the same version as your installed version of VirtualBox!
 If you are using VirtualBox 4.3.36, please download the extension pack → here.

Select the appropriate

download for your OS

VirtualBox 5.0.20 Software Developer Kit (SDK) → All platforms

See the changelog for what has changed. You might want to compare the

- SHA256 checksums or the
- MD5 checksums

About

Screenshots

Downloads

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Technical docs

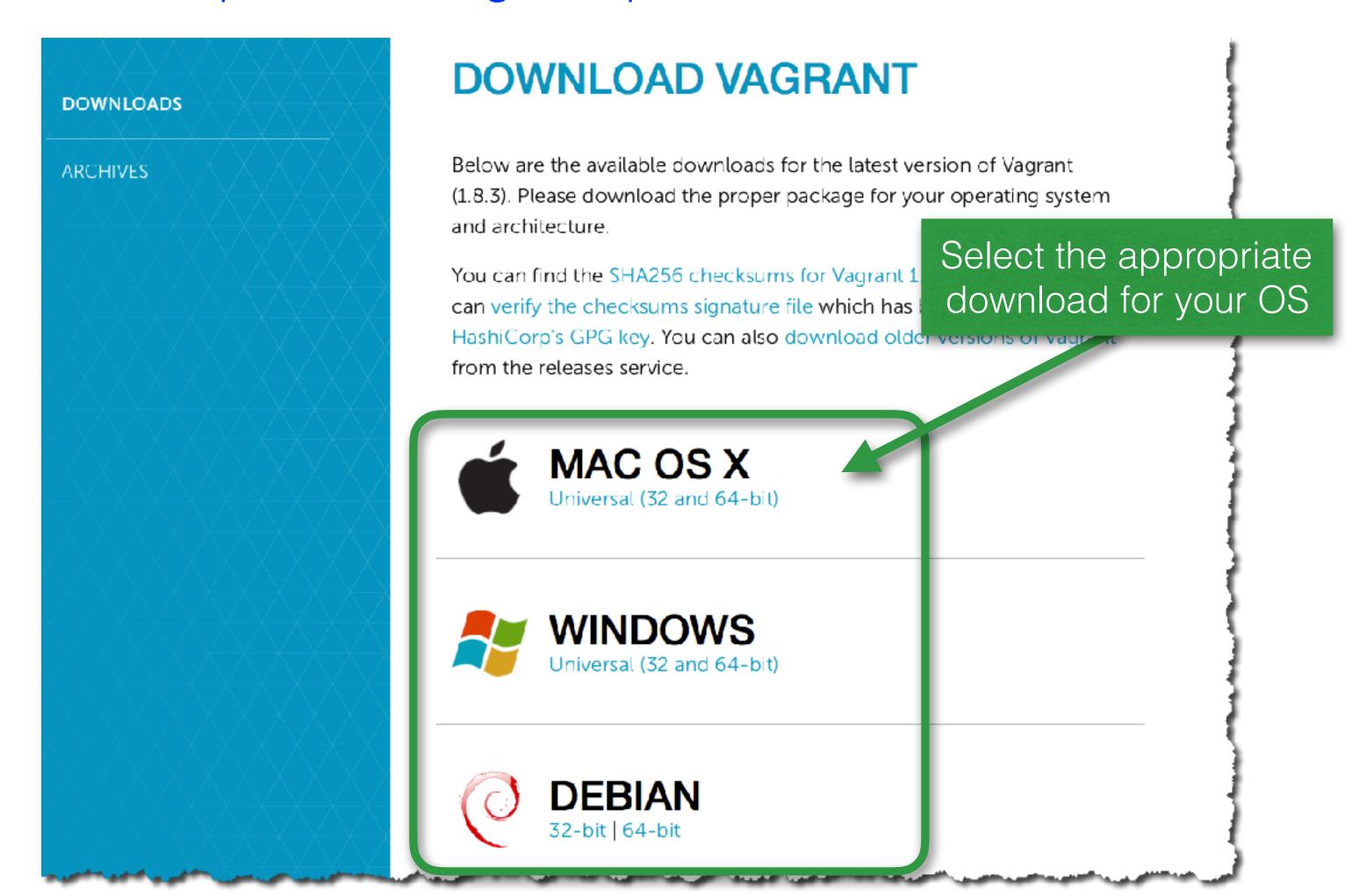
Contribute

Community



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</pre>
```



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!!

