Workshop: Use Gradle with the new Jenkins 2 to construct a Continuous Delivery Pipeline

Setup Instructions

Gradle Summit 2017

Version 1.1 – 6/14/17

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IMPORTANT SETUP INSTRUCTIONS – PLEASE COMPLETE BEFORE THE CONFERENCE IF POSSIBLE.

ALSO, IT IS HIGHLY RECOMMENDED TO PRINT A COPY OF THE CLASS LABS AND BRING THEM WITH YOU TO THE CONFERENCE IF YOU PREFER TO WORK FROM A PAPER COPY. THE LABS ARE SIGNIFICANT.

You can print a copy by referencing the PDF at

https://github.com/brentlaster/cdpjdocs/gsummit17.pdf

Hello and thank you for registering for this session. In order to be able to work through the labs and effectively understand the material, it will be to your advantage to get your system setup following the instructions below.

1. You must have a system that can support virtualization and run Virtualbox without problems. Download and install Virtualbox on your system and verify that it runs correctly. Note that some systems may require special access or BIOS settings to support virtualization. Please ensure that you have sorted out any issues with this prior to the start of the first online session. Virtualbox can be obtained and installed from http://www.virtualbox.org

2. The class uses a VirtualBox VM with all the applications installed and configured that we will need. You can download the virtual image from the location below:.

https://www.dropbox.com/s/i27thblashhf6vt/gsummit17.ova?dl=0

 Note that this file is approximately 3 gig in size, so it may take some time to download (30 minutes or more on a slow connection). It is not recommended to try to download this while you are using a VPN connection as that will greatly slow down the download.

Checksums to check your file downloaded correctly:

MD5 Checksum: F45CBFDA8D33DE692E1DBA1125C620BD

**SHA-1 Checksum: 44509CBC622F506B619D687AC3951977953FDA2A**

SHA-256 Checksum: BFD448EDD2048BDBB37450E5250346B09F04A72FEE7688AB713F4B90ACA9A5BD

**SHA-512 Checksum:
0868E296D2A593EBF34833D868A377032C13165A3A9CB59D12465C3B882AA60E97E458DF6D13363DDBB05E80F031B8BCD97DA88FEC0E7BAD1466AA9B6E383DDC**

3. Once you have Virtualbox installed and the image downloaded and are ready to proceed, do the steps below to import the appliance.

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a. Open **VirtualBox** on your system.

b. From the **File** menu, select **"Import Appliance…".**
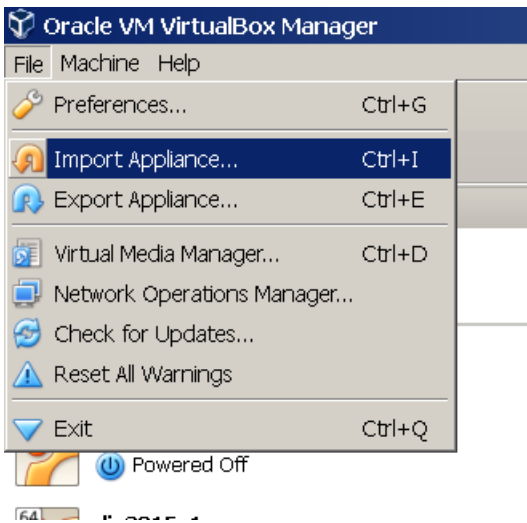
c. From there, you can type in (or browse to, using the folder icon circled in the picture) the path of the **gsummit17.ova** file. Then click **Next**.
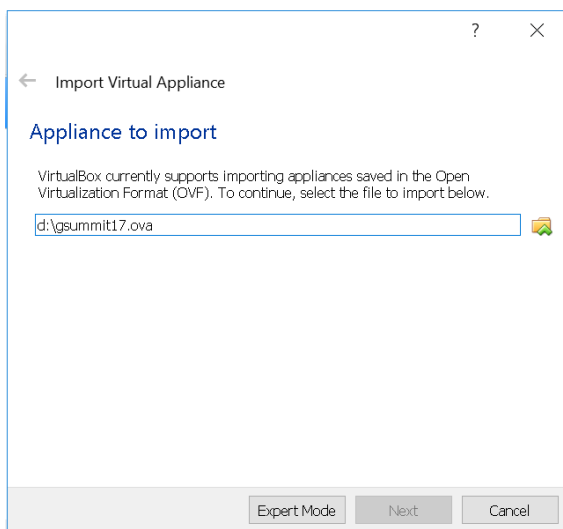

4. On the next screen, click the box to reinitialize the MAC addresses. You can just accept the rest of the **Appliance Settings** and then click the **Import** button.
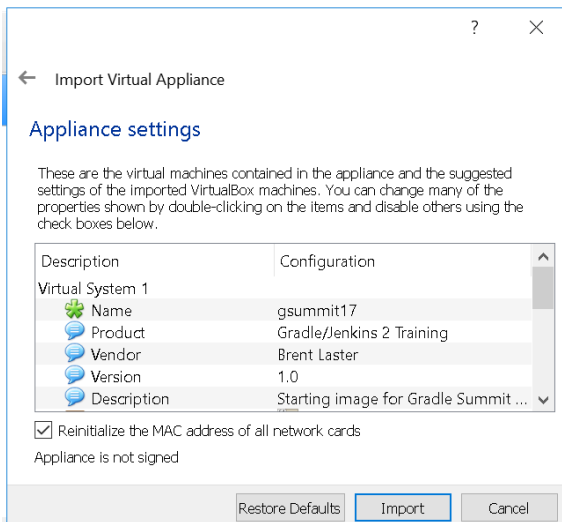
5. You will get a pop-up box for the "license" info. Just click the **Agree** button. Your system will then start processing the import. This may take a while.
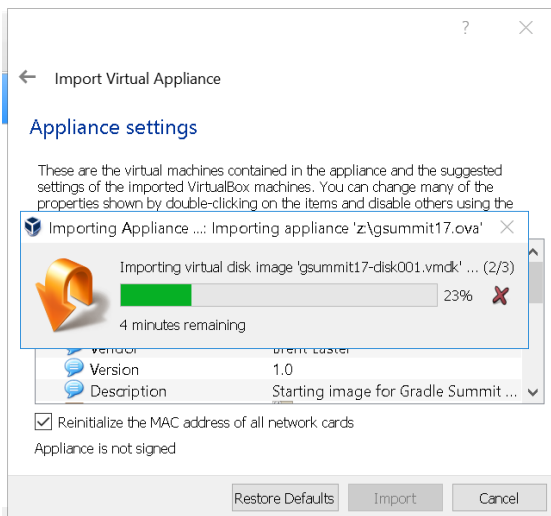

6. After the import is finished, you should have a VM listed in VirtualBox named **gsummit17**.


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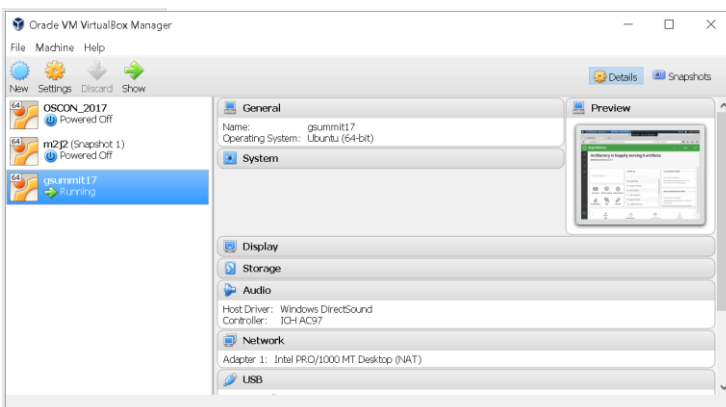
7. **(OPTIONAL)** At this point, depending on the settings of your physical system, you can adjust the amount of memory for the image if you need/want. You can do this by clicking on the **Settings** icon in the menu bar, then **System** in the pop-up box for the settings. Then you can adjust the amount of memory for the virtual machine with the slider.

 The default is 4 gig. The system can run with as little as 4 gig although performance will be degraded. 8 gig is not necessary but will yield improved performance if your underlying physical machine can support it. **If you are unsure, you can just leave it at the default.**
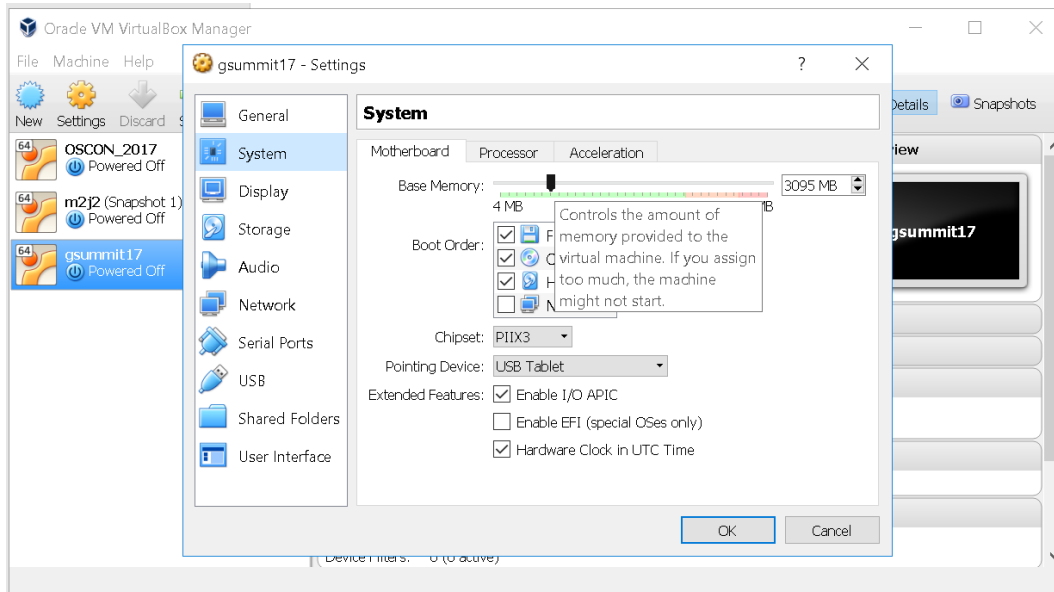

8. At this point, you can start up the virtual image by right-clicking on the image name and then selecting **Normal Start.**
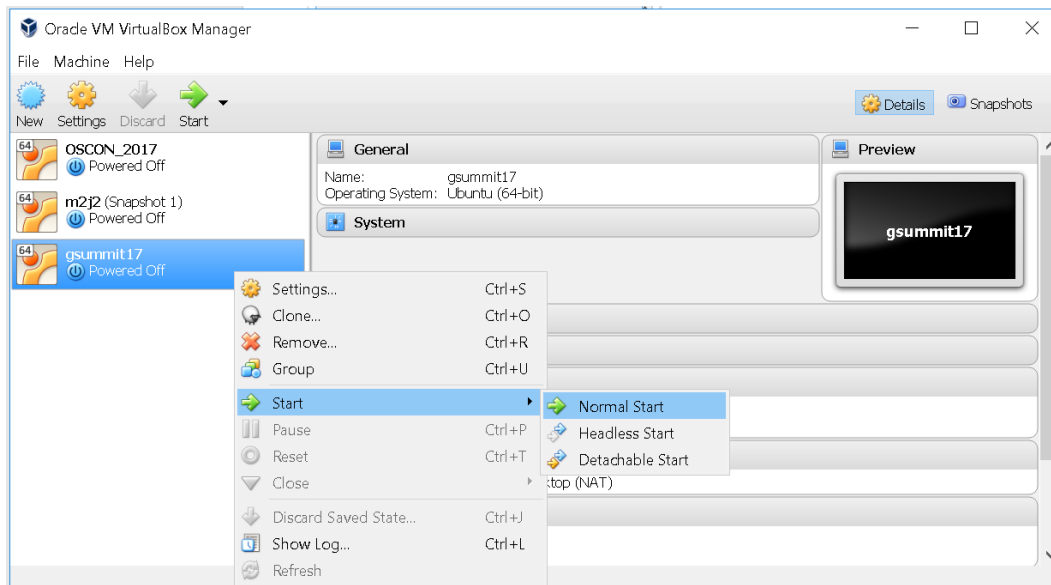
9. You may receive an error about network adapters here like the one below.

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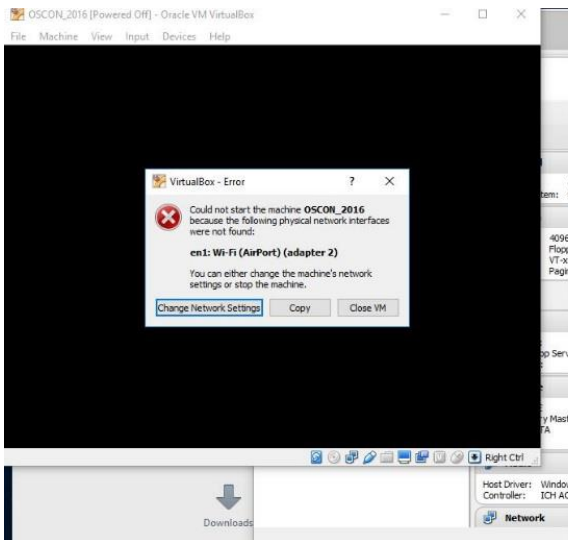
If so, just click on the option given to "Change Network Settings". Then click on "Ok" in the network settings. (After the system starts, yYou can also enable enable "**Auto Ethernet**" in the networking menu (click on double arrors in upper-right corner) but that is probably not necessary).
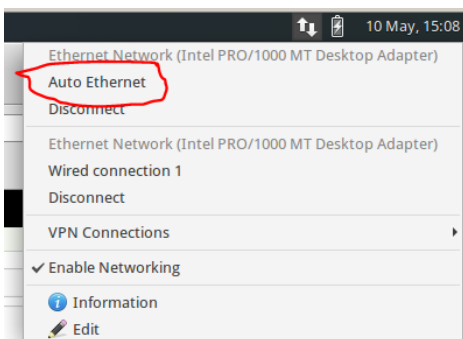

10.   If you get a warning dialog that pops up like the one below, it is due to a missing shared directory. (You can see that if you click the Details – not required.) This is not important for using the VM and you can just click OK to proceed and ignore the warning.

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11.   It may take several minutes for the desktop to appear. If, after several minutes, you don't see the desktop, try switching to full screen mode (Host key + F) or access the menu item for it through the View menu. On most systems, the Host key here will be the right Ctrl key. (Note: Windows 10 seems to have issues if you try to switch to scaled mode. If on a Windows 10 system, you may want to avoid that setting. If you do go into scaled mode and the screen seems to disappear, try using the Host key + F to switch out.   Or the menu may still be accessible, although hidden, at the very top of the screen.)

12.   After starting up the VM, you should see the desktop of the VM.
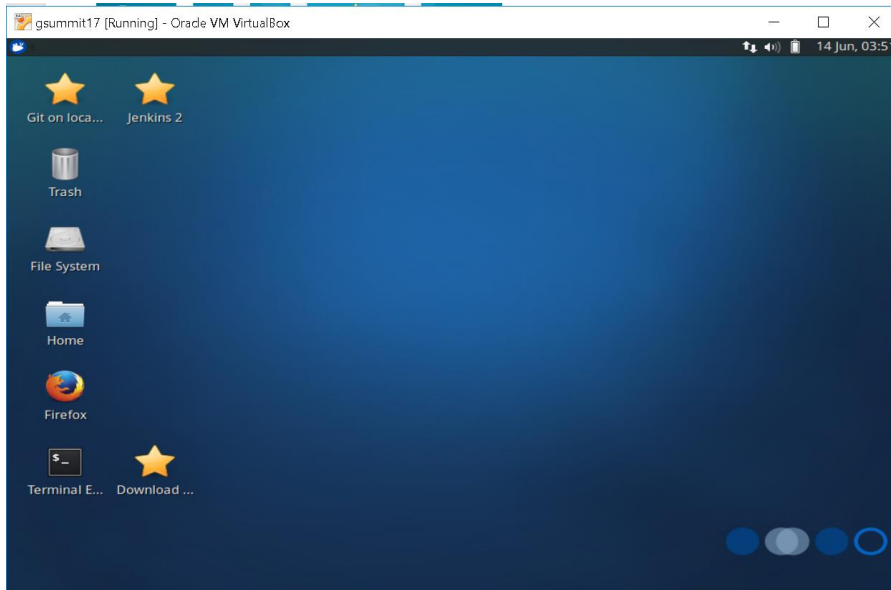
13. If you are on Windows and get a Windows firewall dialog, you can click both boxes and tell Windows to "Allow access".

14. If you are given an option to upgrade ubuntu, just decline that.

15. If you have messages at the top of the screen about "Auto capture keyboard" and "mouse pointer integration" you can just click the x on the far right of the messages to dismiss those.

16. Verify that you have internet connectivity from the VM. Open up a terminal session from the VM's desktop and type something like "ping google.com" to make sure you get a response.

17. Login is diyuser2, diyuser2.

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