VM Setup Instructions - VirtualBox

- 1. Download and install VirtualBox 5.1.28 (https://www.virtualbox.org/wiki/Downloads)
- 2. Download Cloudera QuickStart VM (~6GB). Unzip the downloaded file. https://www.cloudera.com/downloads/guickstart_vms/5-12.html
- 3. Open VirtualBox and click "New"
 - A. Give a name to the virtual machine, set **Type** to "Linux" and **Version** to "Other Linux (64 bit)"
 - B. Set the memory size (we suggest setting it at 2 GB).
 - C. Select "Use an existing virtual hard drive" and point to the location of the vmdk file (cloudera-quickstart-vm-5.12.0-0-virtualbox-disk1.vmdk).



Additional Configuration(Optional):

1. Setup clipboard, dragdrop

- a. In VirtualBox, select the guest OS in the left panel, and click Settings.
- b. Go to the Advanced tab
- c. Set Shared Clipboard to "Bidirectional"
- d. Set Drag'n'Drop to "Host to Guest"

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2. Create a shared folder:

Part I

- 1. Create the folder on the host OS (the local machine where your VirtualBox is installed).
- 2. In VirtualBox, select the guest OS in the left panel, and click Settings.
- 3. Select the Shared Folder tab.
- 4. Click the + icon on the right.
- 5. Specify the path to the folder in your host OS, and give the folder name (e.g. hw3).
- 6. Select 'Auto-mount'

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Part II

- 1. Create a folder in the VM. For example, you can open the terminal, and run *mkdir hw3-vm* to create a folder "hw3-vm".
- 2. Mount the shared folder.

sudo mount -t vboxsf -o uid=501,gid=501 hw3 hw3-vm

To check if you have successfully mounted the shared folder, go back to your home directory ($cd \sim$), and run df on the terminal. You should see the following information:

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Common pitfalls

1. VirtualBox only showing 32-bit guest versions on 64-bit host

This usually happens when "Virtualization Technology" is disabled in the system BIOS. You should enable VT-x or VT-d (depending on your computer, you may have either) setting in your BIOS or UEFI Firmware Settings to fix this issue. Refer to <u>this blog post</u> for more details.