Setup Virtual Machine

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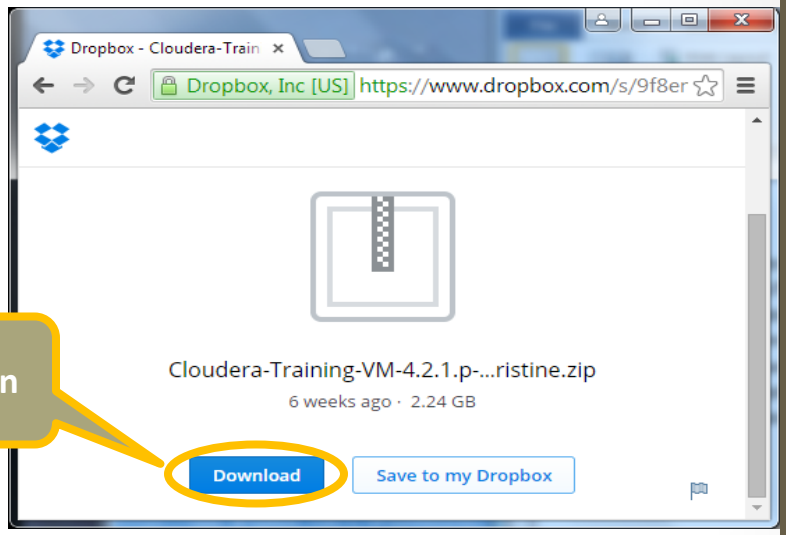
Setup VM VirtualBox (0)

Setup VM VirtualBox (1)

- Copy the dropbox URL of the VM from Canvas or get the URL from me.
- That url will lead you to the VM. You should see the file (Cloudera-Training-VM …) associated with a download button. The download of this 2.4 GB file may take a long time.



- Unzip:
  - Cloudera-Training-VM-4.2.1.p-vmware_prist.zip
- Select your VM player:
  - Virtual Box may be a better alternative for Mac users: Continue only with slides titled “Setup VM VirtualBox”
  - VMWare Player may be the better alternative for Windows users: Continue only with slides titled “Setup VM VMWare”

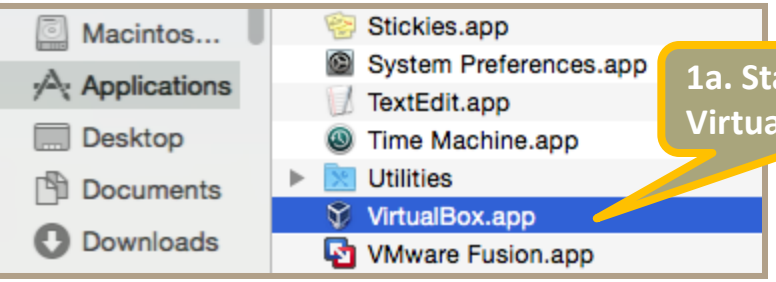
VMware Fusion

Vmware Player

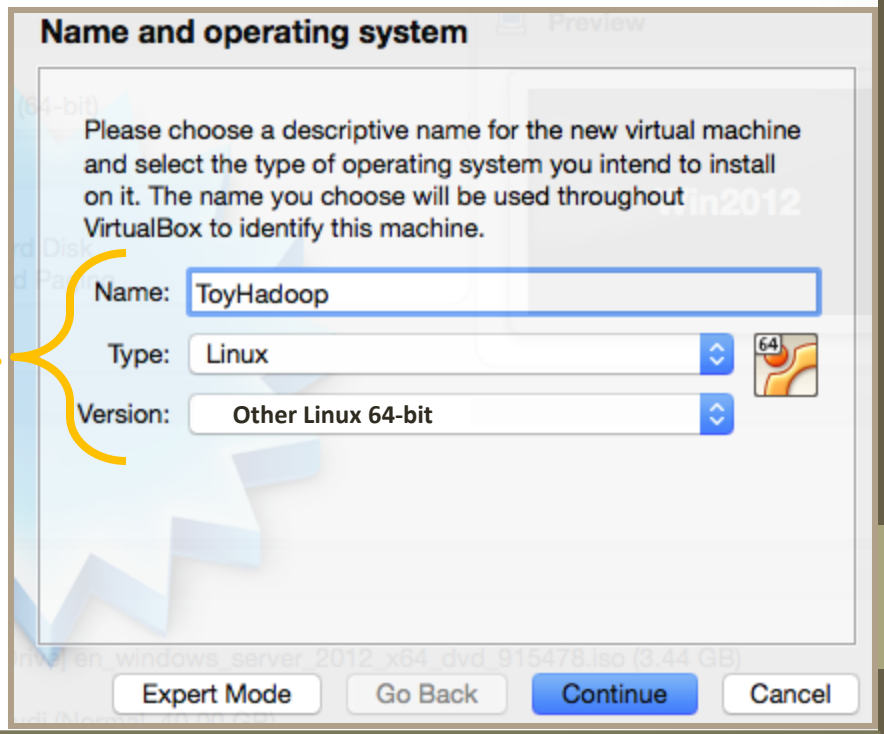
Setup VM VirtualBox (2)

- VirtualBox:
  - To download and install Virtual Box, follow the instructions in this website: https://www.virtualbox.org/wiki/Downloads
  - In particular, for a Mac OS, use the link similar to: **VirtualBox 5.0.16 for OS X hosts amd64**.
  - **http://stackoverflow.com/questions/1505021/virtualbox-and-vmdk-vmx-files**

Setup VM VirtualBox (3)



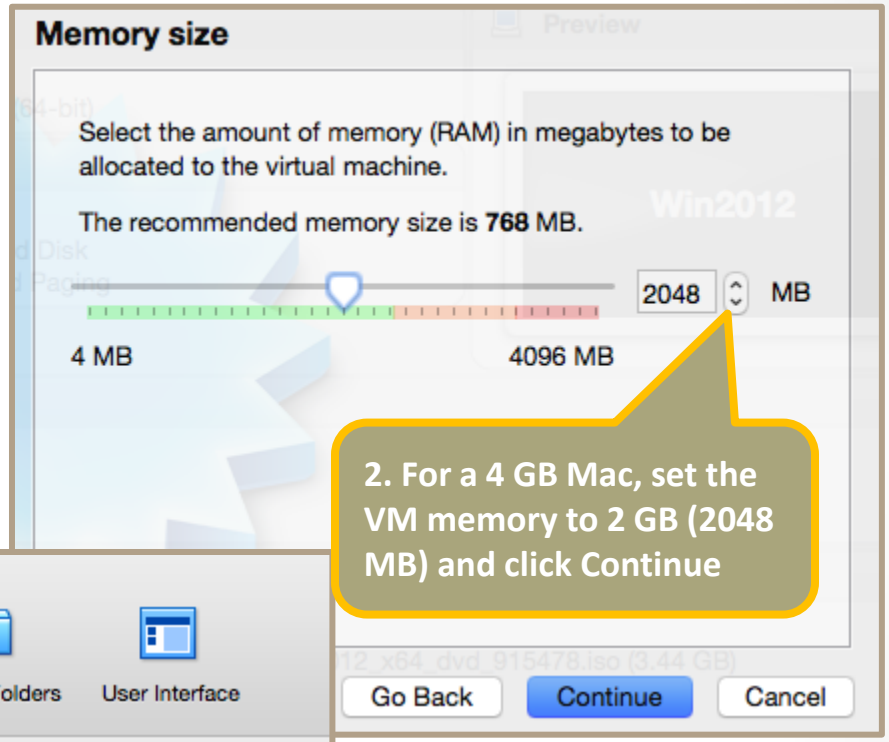
1b. Click New or select New from the Machine menu



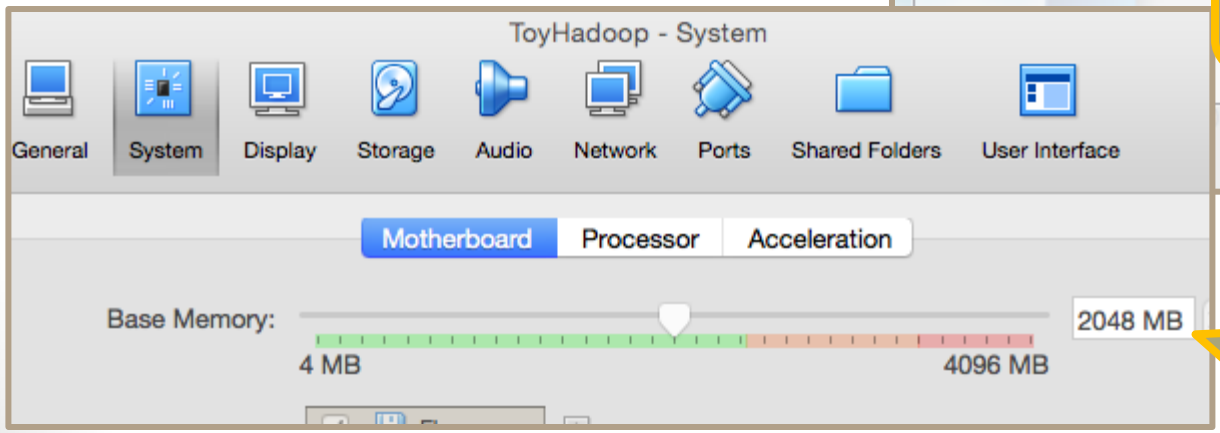
1c. For the "Name and operating system" page:
make a "Name" like "ToyHadoop",
set "Type" to "Linux",
and set the Version to "Other Linux 64-bit"

1a In Applications start VirtualBox.app
1b Click New or select New from the Machine menu
1c For the "Name and operating system" page: make a "Name" like "ToyHadoop", set "Type" to "Linux", and set the Version to "Other Linux 64-bit"

Setup VM VirtualBox (4)



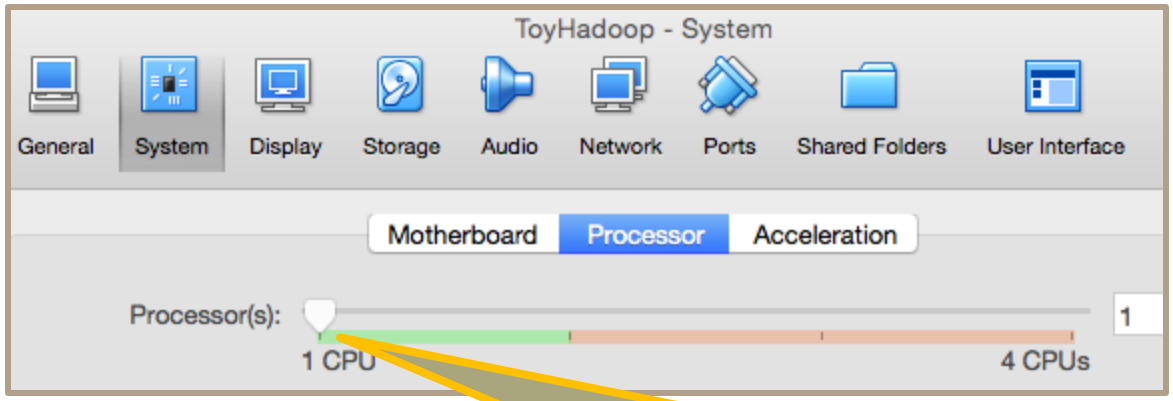
2. For a 4 GB Mac, set the VM memory to 2 GB (2048 MB) and click Continue



2. Alternately, You can change this setting through Machine menu > Settings > System > Motherboard

2 For a 4 GB Mac, set the VM memory to 2 GB (2048 MB) – You can also change this setting through Machine menu > Settings [cmnd-S] > System > Motherboard

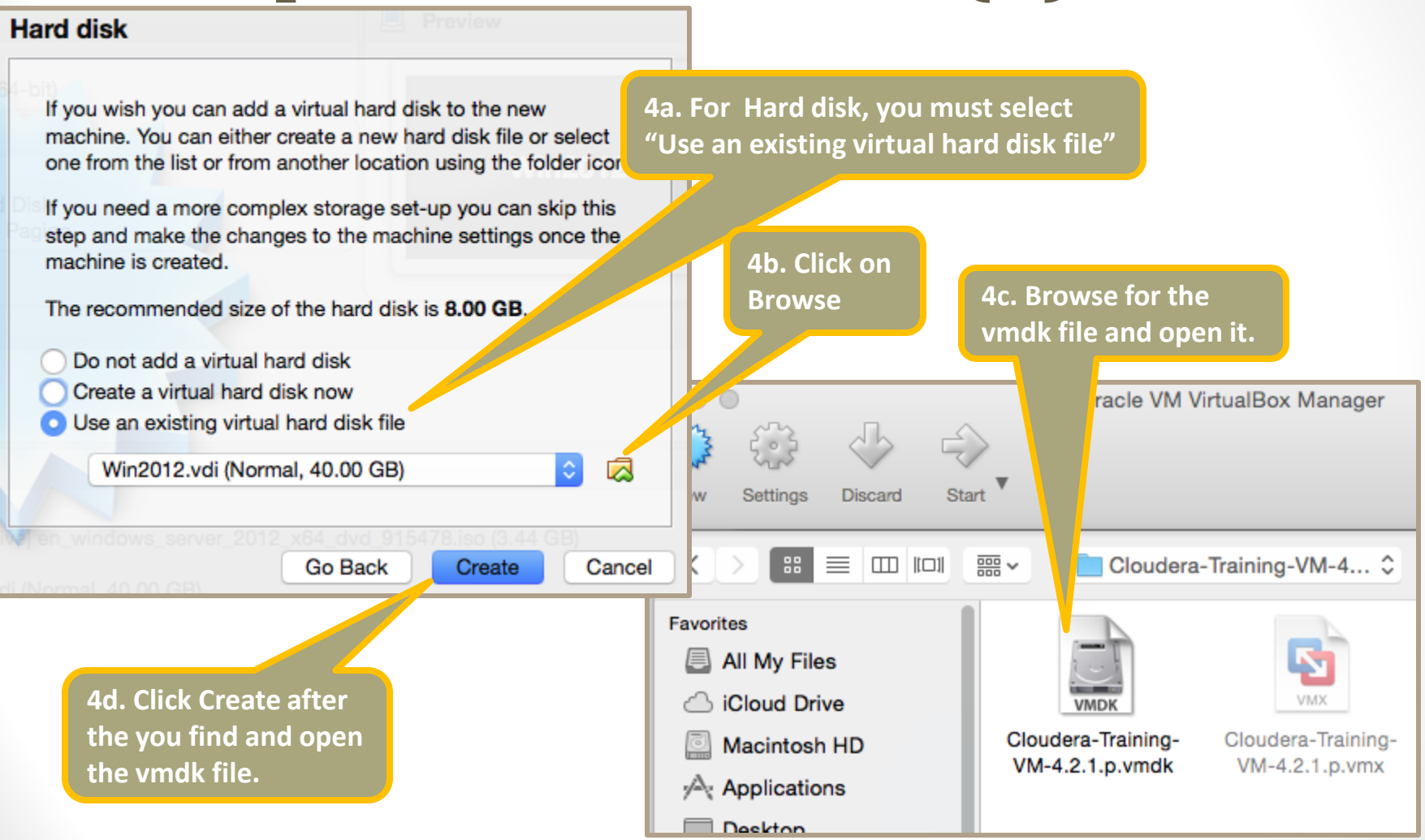
Setup VM VirtualBox (5)



3. Set number of Processors:
For a 4-processor Mac, set the Processor(s) to 2 CPU;
For a 2-processor Mac, set the Processor(s) to 1 CPU;

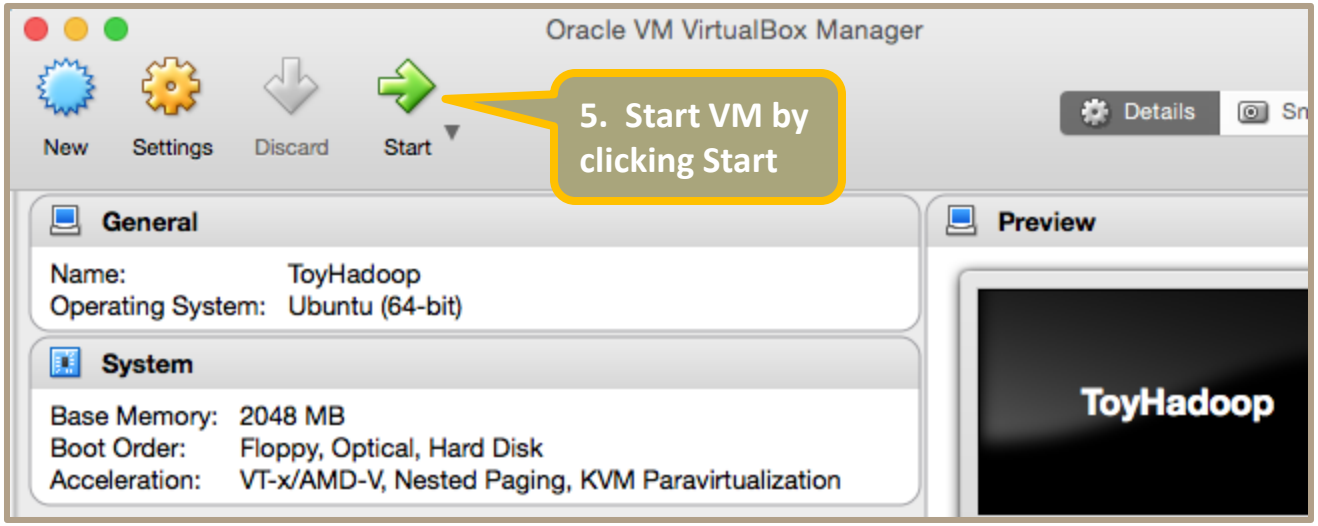
3. For a 4-processor Mac, set the Processor(s) to 2 CPU; For a 2-Processor Mac set the processors to 1 processor. The screen shot shown is taken from: Machine menu > Settings [cmnd-S] > System > Processor

Setup VM VirtualBox (6)



4a. In the Hard disk page select "Use an existing virtual hard disk file"
4b. Click on the browse button to the right of the selector window.
4c. Browse for the vmdk file.
4d. Click Create in the Hard disk page

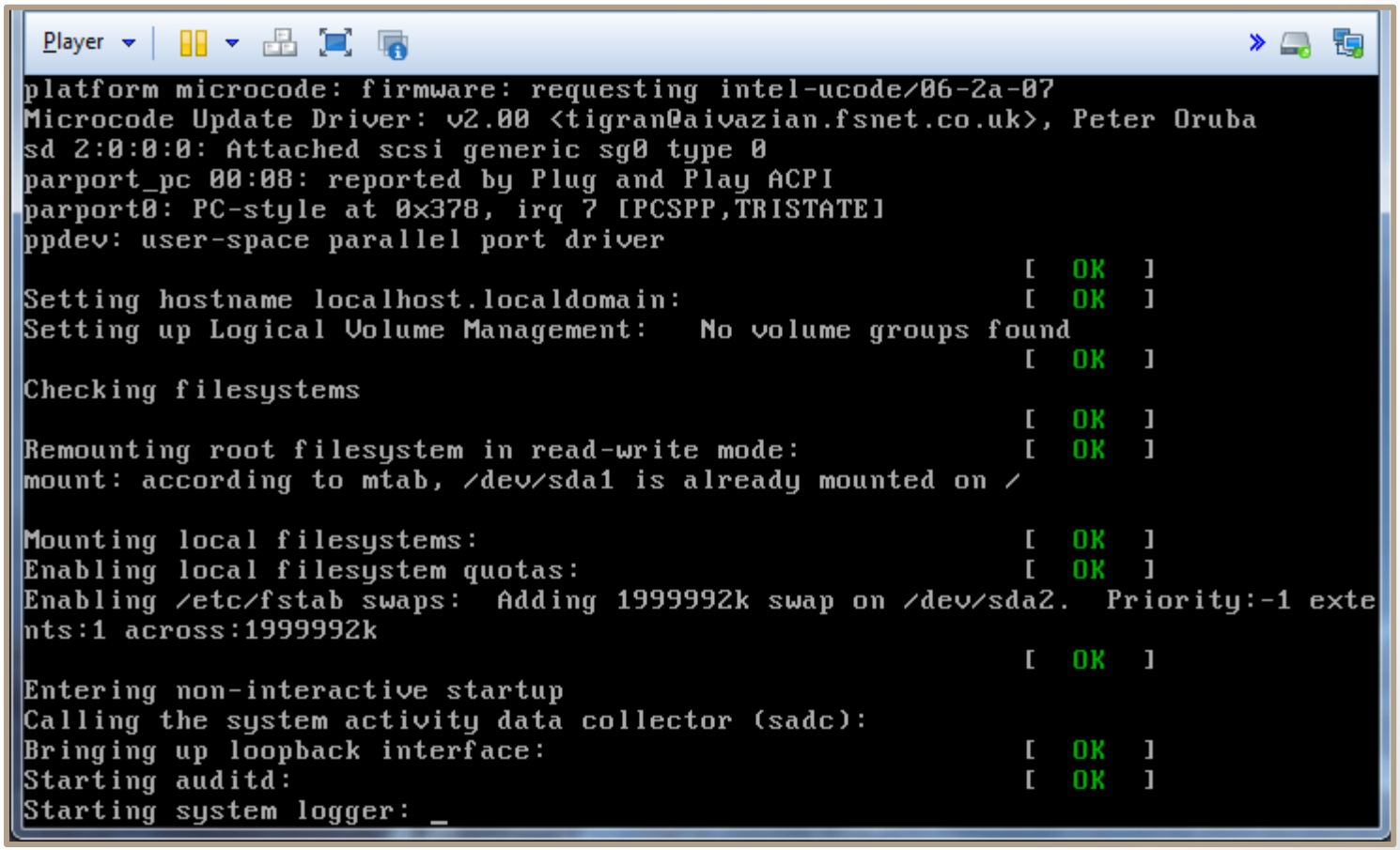
Setup VM VirtualBox (7)



5. Verify, that the proper VM is selected, then start the VM by clicking Start.

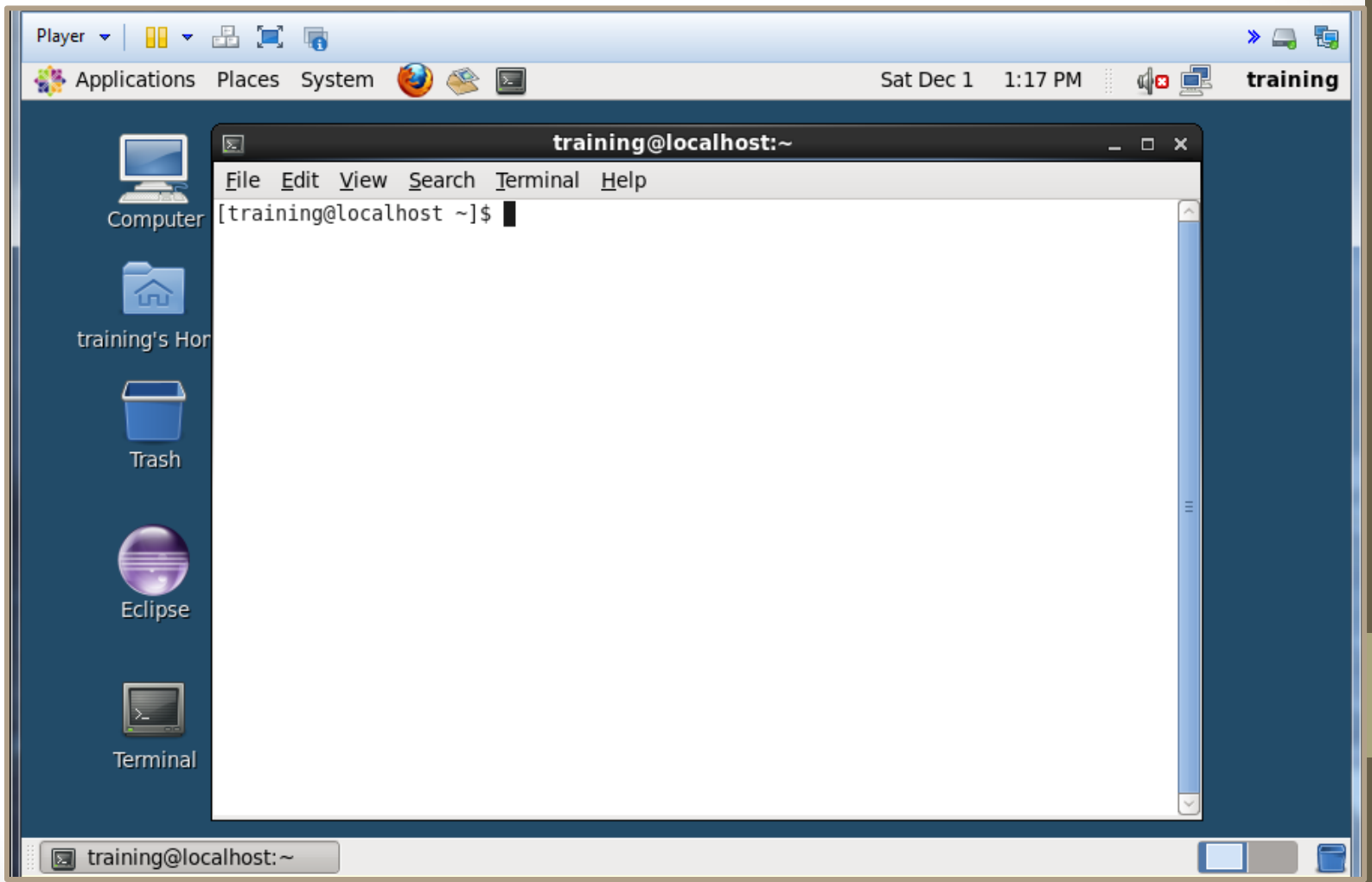
Setup VM VirtualBox (8)

- Note: The VM starts up

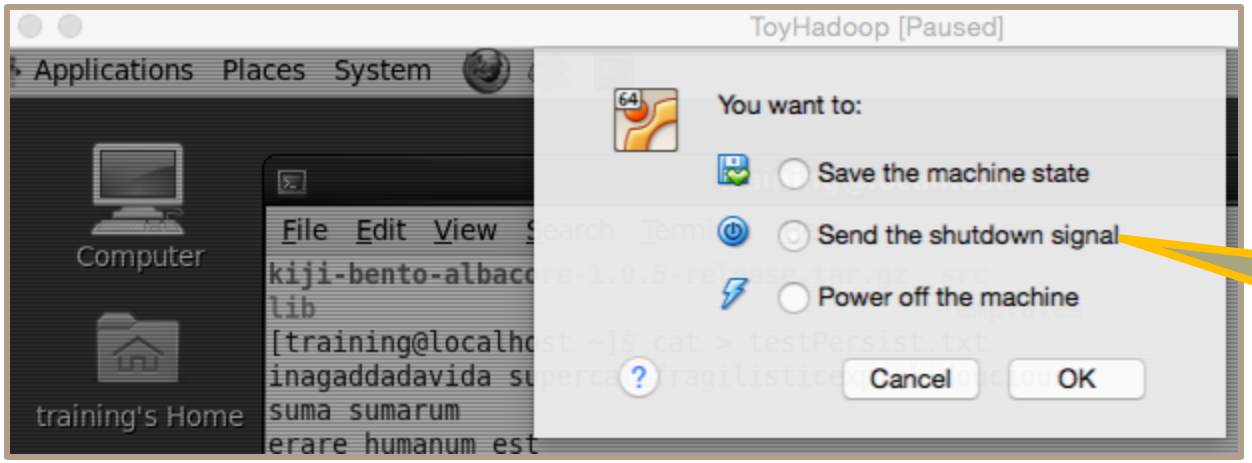


Setup VM VirtualBox (9)

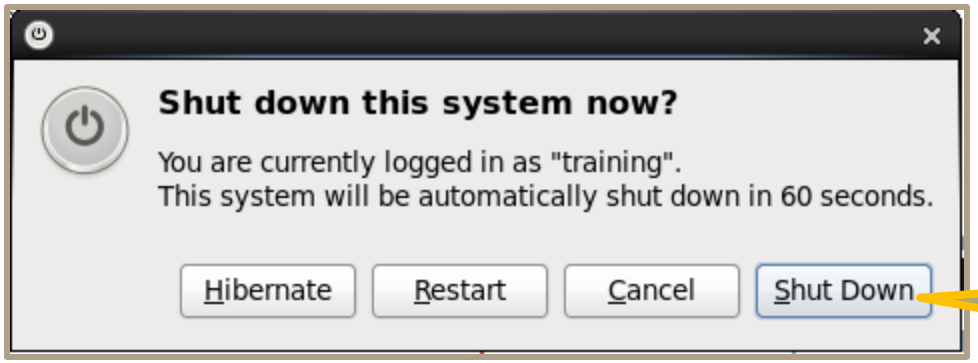
- Note: The VM is running



Setup VM VirtualBox (10)



Select “Send the shutdown signal”.



Click on “Shut Down” button.

Select “Send the shutdown signal”. Alternately, use the VirtualBox VM menu and select Quit VirtualBox VM. Alternately use [Cmnd+Q]
Click on “Shut Down” button

Setup VM VMWare (0)

Setup VM VMWare (1)

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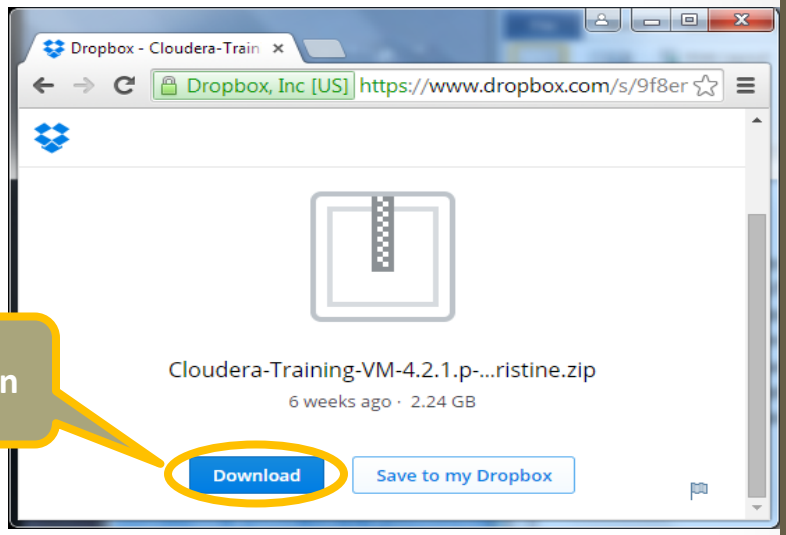

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VMware Fusion

Vmware Player

Setup VM VMWare (2)

- Download VMWare Player (Windows) or VMWare Fusion (Mac)
- In March 2016, the following link(s) provided a download button for Vmware on Mac (you may be required to register):
  - https://my.vmware.com/en/web/vmware/info/slug/desktop_end_user_computing/vmware_fusion/8_0
  - https://my.vmware.com/web/vmware/details?downloadGroup=FUS-810&productId=527&rPId=9750

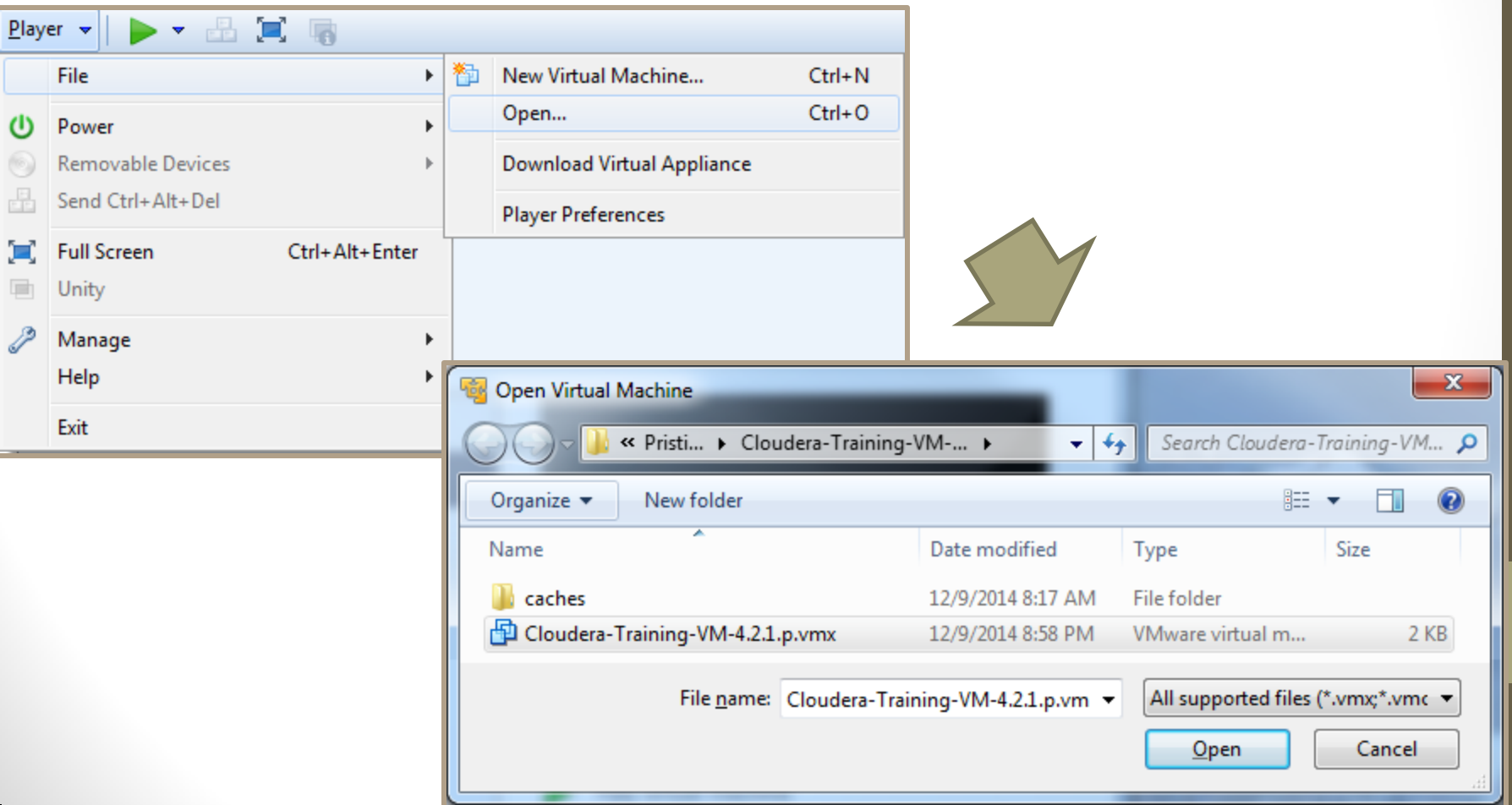
- In March 2016, the following link provided download buttons for Vmware on Windows and Linux:
  - https://my.vmware.com/en/web/vmware/free#desktop_end_user_computing/vmware_workstation_player/12_0

Setup VM VMWare (3)

- Start VMWare

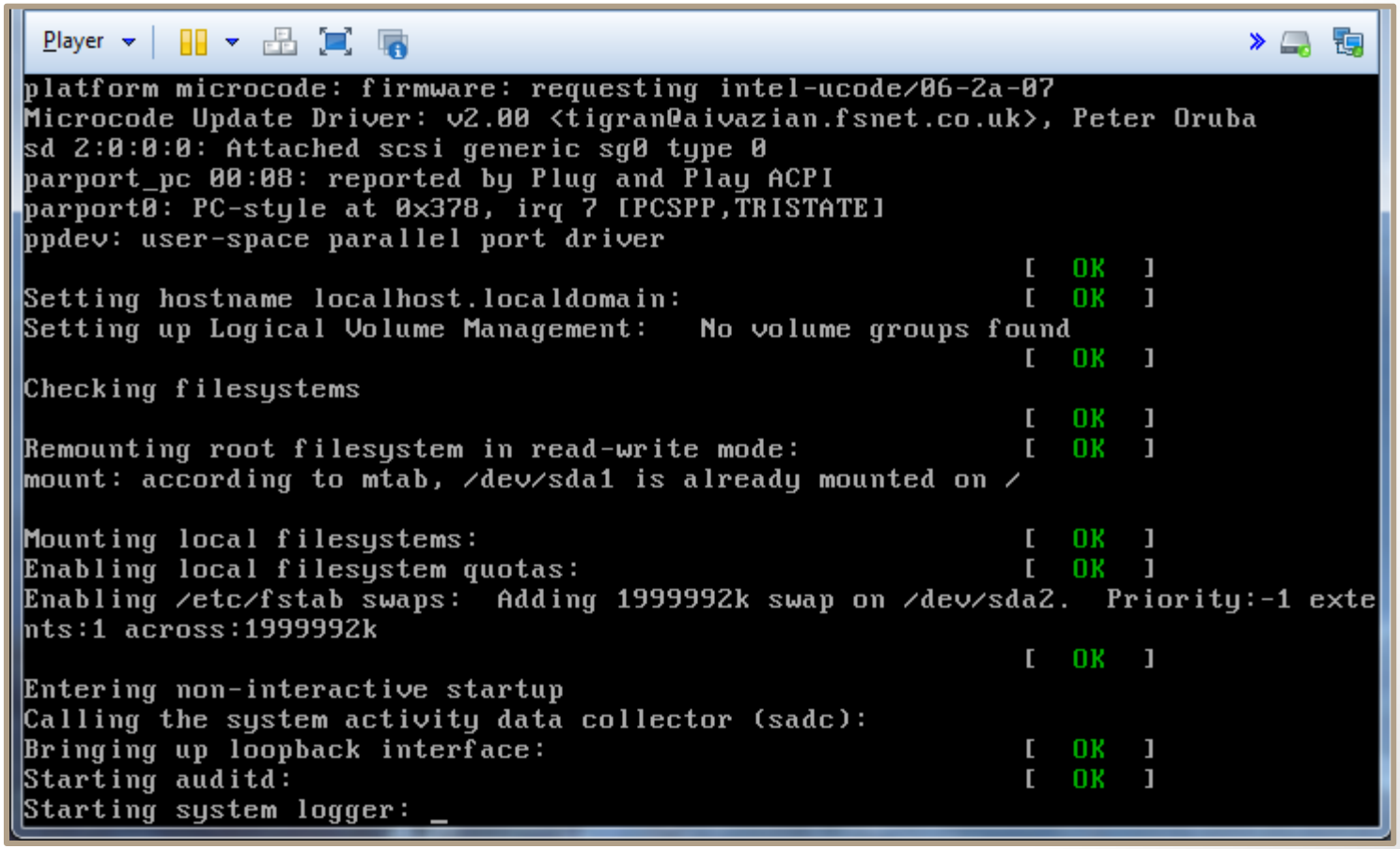
Setup VM VMWare (4)

- Open the VM: Select Cloudera-Training-VM-4.2.1.p.vmx



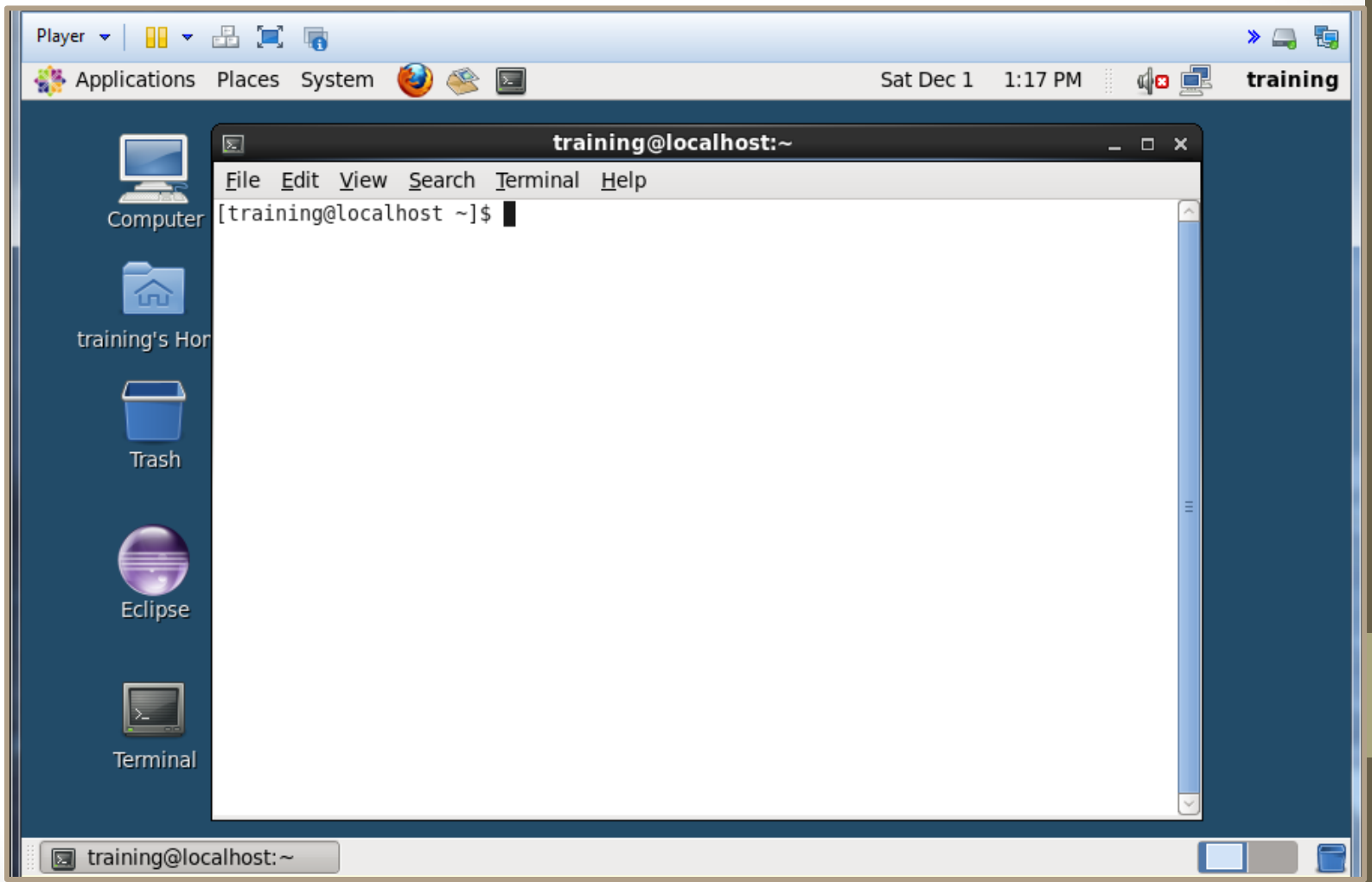
Setup VM VMWare (5)

- Note: The VM starts up



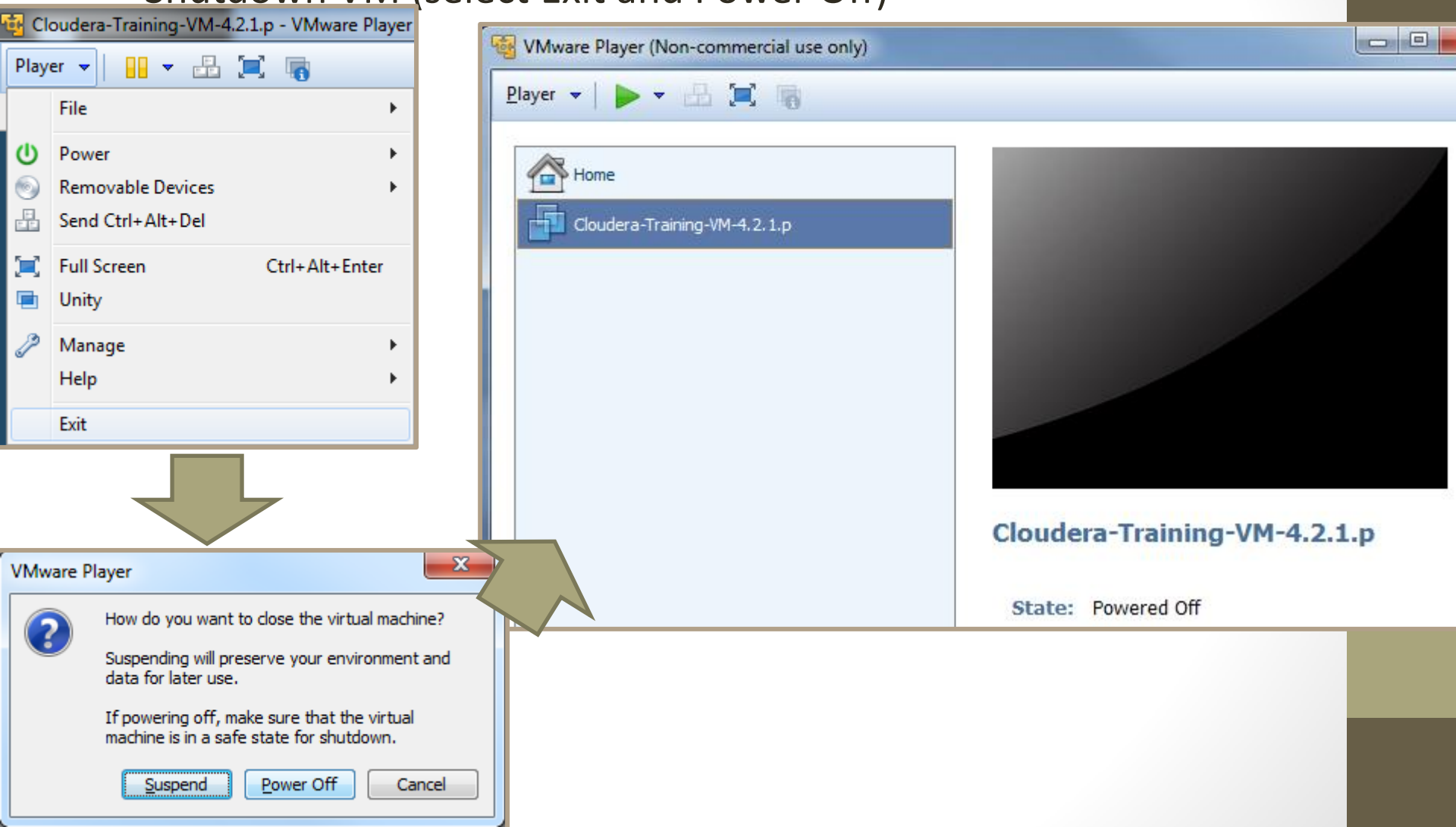
Setup VM VMWare (6)

- Note: The VM is running



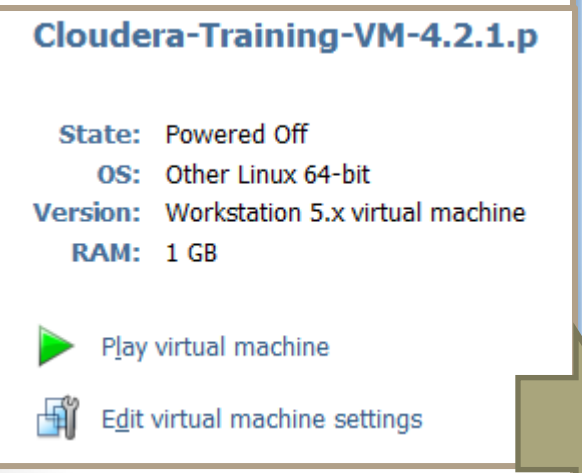
Setup VM VMWare (7)

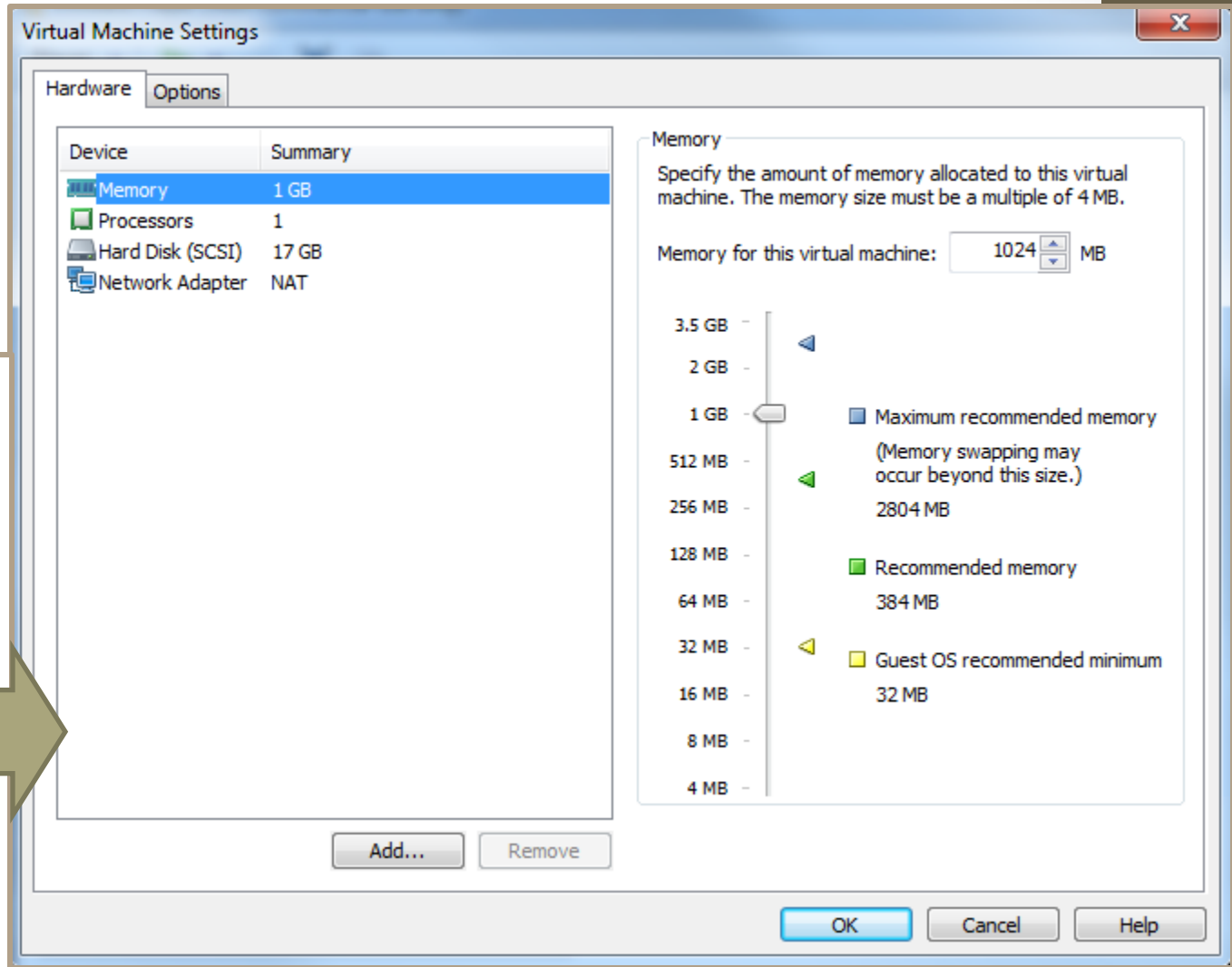
- Shutdown VM (select Exit and Power Off)



Setup VM VMWare (8)

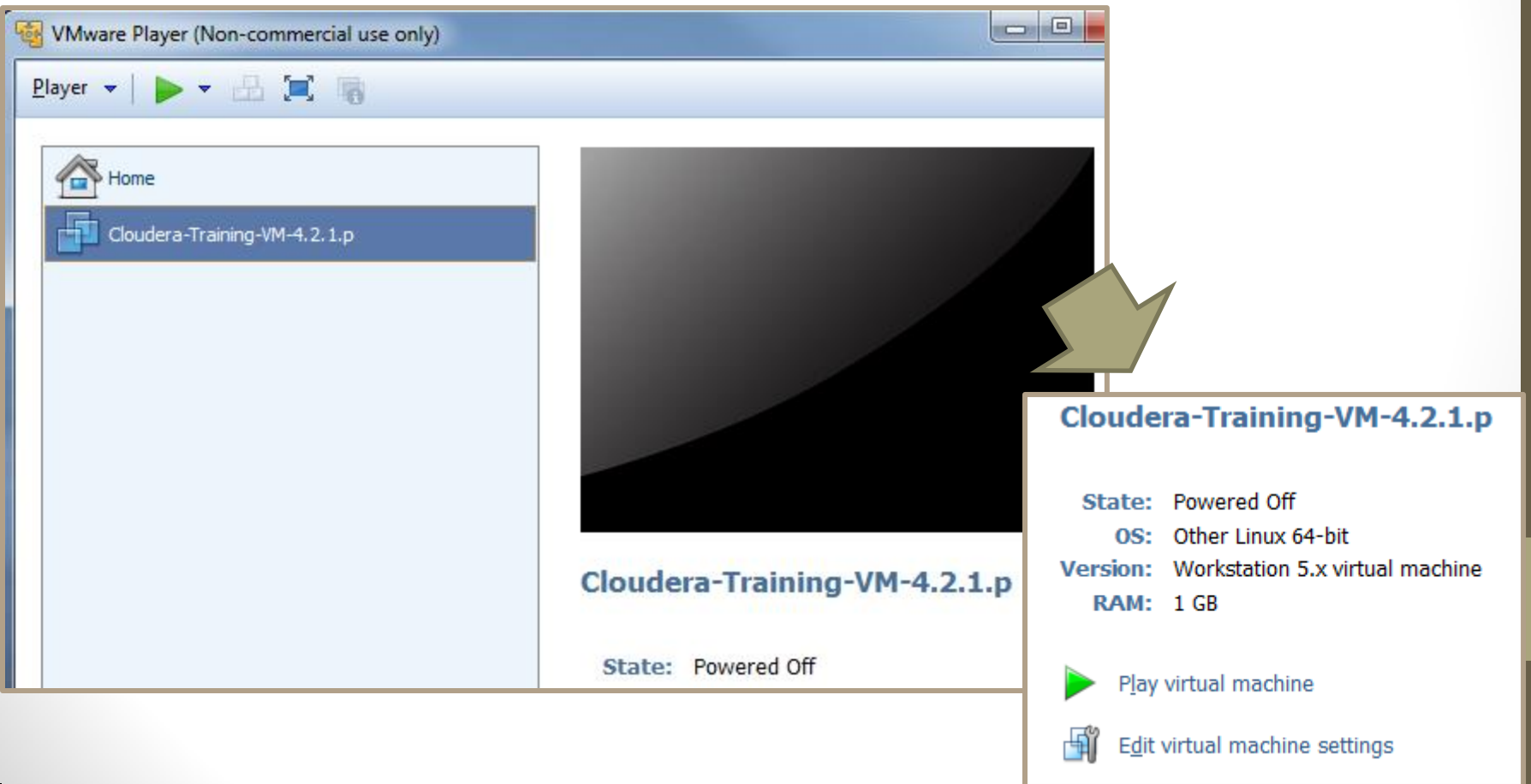
- Optional: Increase memory if you have enough RAM to spare. Set to 2 GB.





Setup VM VMWare (9)

- To start up VM again:
  - Select Virtual Machine (Cloudera-Training-VM-4.2.1.p)
  - Play Virtual Machine

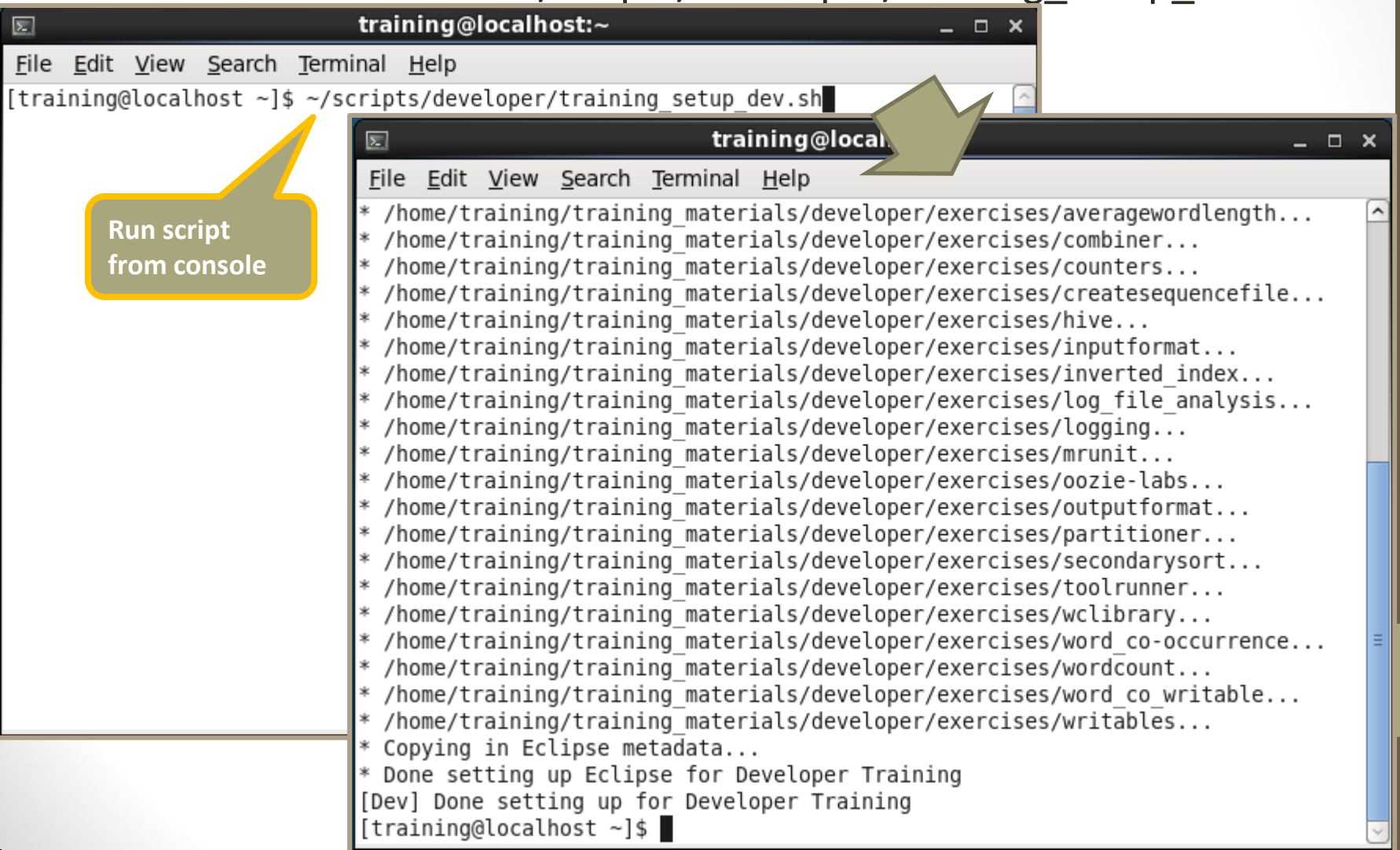


Prepare VM for Labs (0)

- Start VM as appropriate

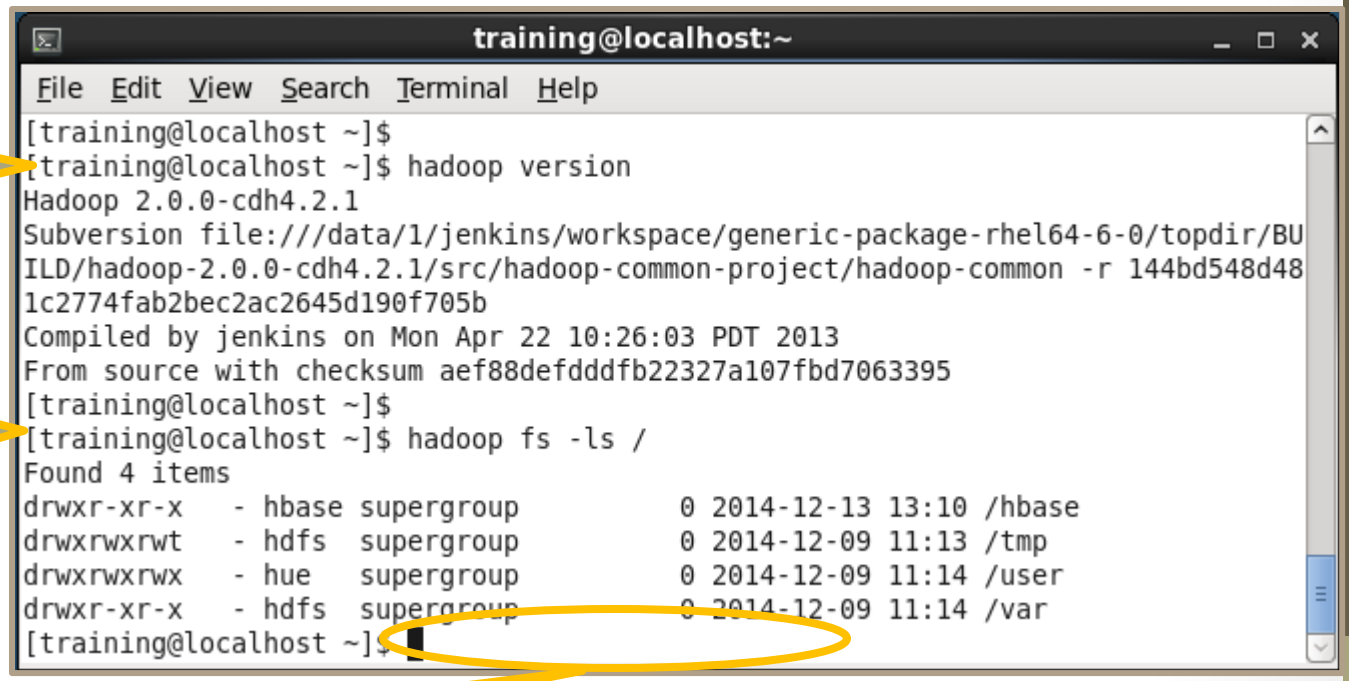
Prepare VM for Labs (1)

- Enter into Console: ~/scripts/developer/training_setup_dev.sh



Prepare VM for Labs (2)

- Enter into Console: hadoop version
- Enter into Console: hadoop fs –ls /



Check that Hadoop is installed

List directories in HDFS

Type your name into the console and take a screen shot

Setup Virtual Machine

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