

HW 1 Grading Criteria	Earned	Max
Did everything get installed?	6	6
Could someone else easily follow along and achieve the same result?	2	2
Is the write-up polished and well organized?	2	2
<b>Total</b>	<b>10</b>	<b>10</b>

# Notes from Homework 1 (Fall 2018)

## Overview

Make a copy of this document, rename it to “hw1-notes” and move it to your CSE 523 Google Docs collection. Maintain your notes in this document. You may find it helpful to include screenshots, like the one below. You can do so in two easy steps.

<https://eduassistpro.github.io/>

### Adding screenshot

1. **Capture the window/screen you want.** On PrtSc. On Mac, press shift+control+command+area you want to copy. Once you have the image, click and drag it into this document; once the image is in the document, you can crop or resize as needed.
2. **Create a table to hold the image and caption.** Use Table->Insert table to add a 1-column, 2-row table. Copy-paste your image into the top row; resize the image so that it fits on your page. Add your caption to the second row in the table. Use Table->Table properties to set the table border to 0 pt, unless you like seeing the grid lines.

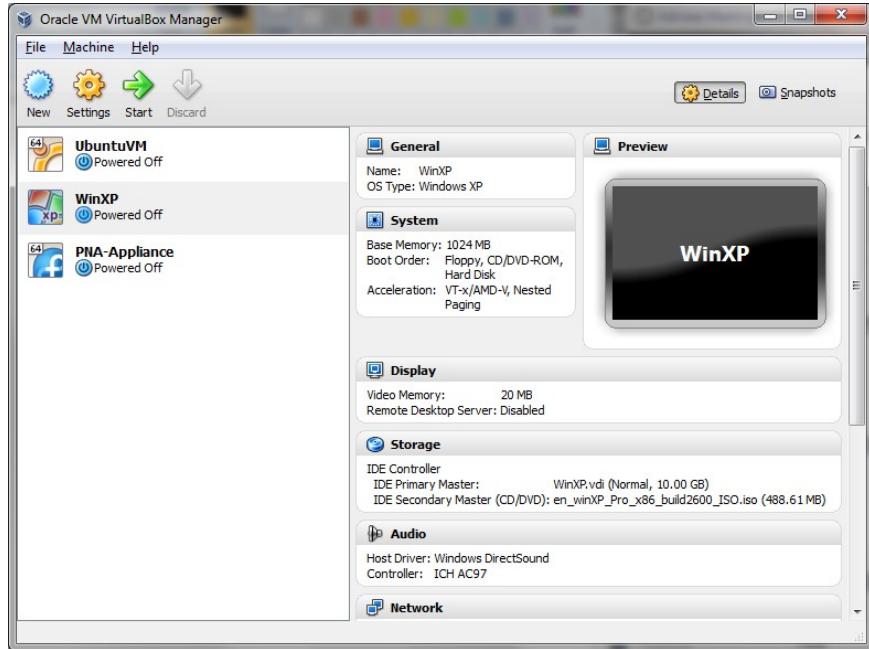


Figure 1. Screenshot.

## Details & Lo

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Your Name	Chuan Tang
Your email address	Add WeChat <a href="mailto:chuantang@w">chuantang@w</a>
Machine, CPU & OS <i>Eg, Lenovo x200, Win7 64bit</i>	MacBook Pro 15-inch, macOS High Sierra
Amount of main memory	16 GB 2133 MHz LPDDR3
Amount of free disk drive space <i>Should be at least 20GB to be safe</i>	400GB
Homework start date & time	09.05.2018 1:00AM
Homework end date & time	09.05.2018 11:30AM

# Assignment Project Exam Help

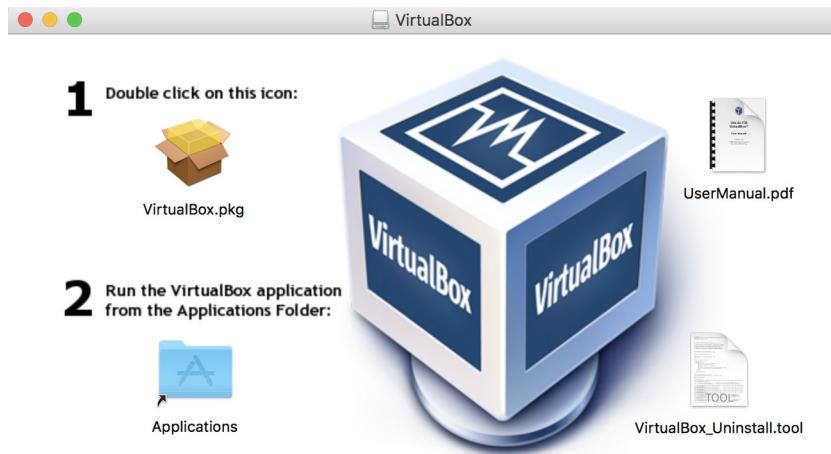
## Install VirtualBox

**Step 1:** go to [this page](#) (atform packages).  
<https://eduassistpro.github.io/>

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Click OS X hosts if you run this on mac OS.

**Step 2:** Open the installation package  
Double click “VirtualBox.pkg”



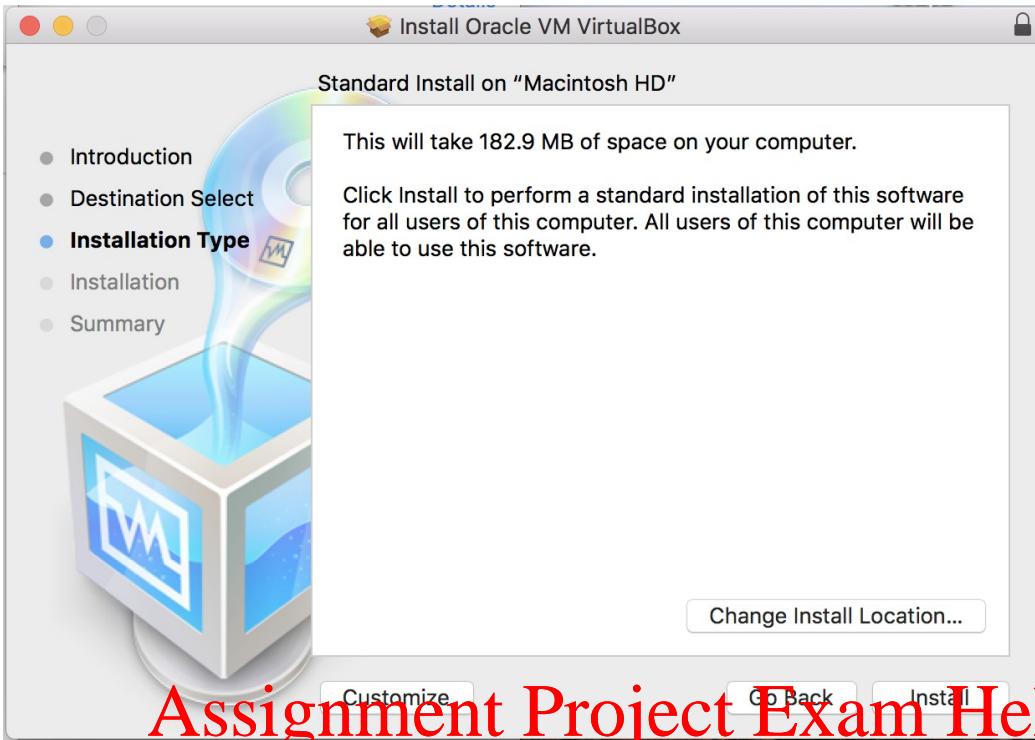
## Assignment Project Exam Help

**Step 3:** Click continu

<https://eduassistpro.github.io/>

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**Step 4:** You could change install Location by click "Change Install Location".



After that click "Install".

**Step 5:** Finish install <https://eduassistpro.github.io/> following screen.

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## **Create a new Ubuntu Virtual Machine**

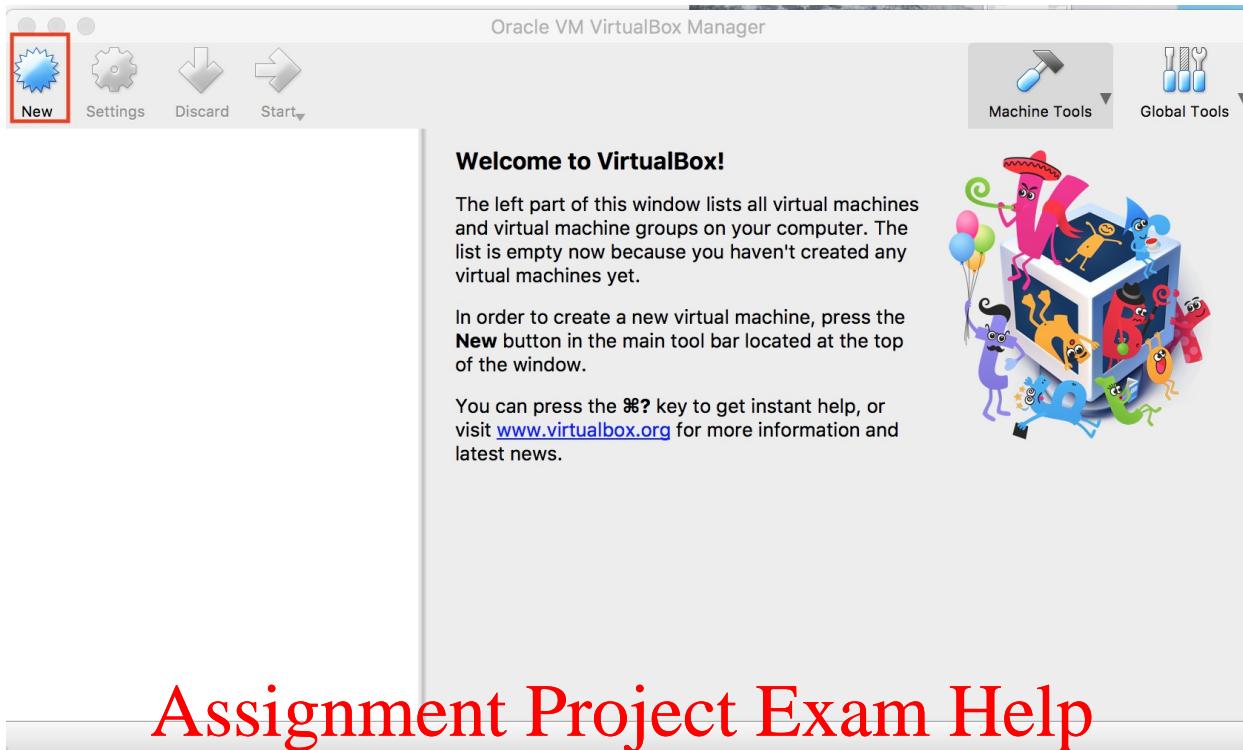
**Step 1:** Go to [this page](#) and install **Ubuntu 14.04.5 LTS Desktop .iso (14.04 64 bit desktop version)**

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**Step 2:** Open VirtualBox and click “New”



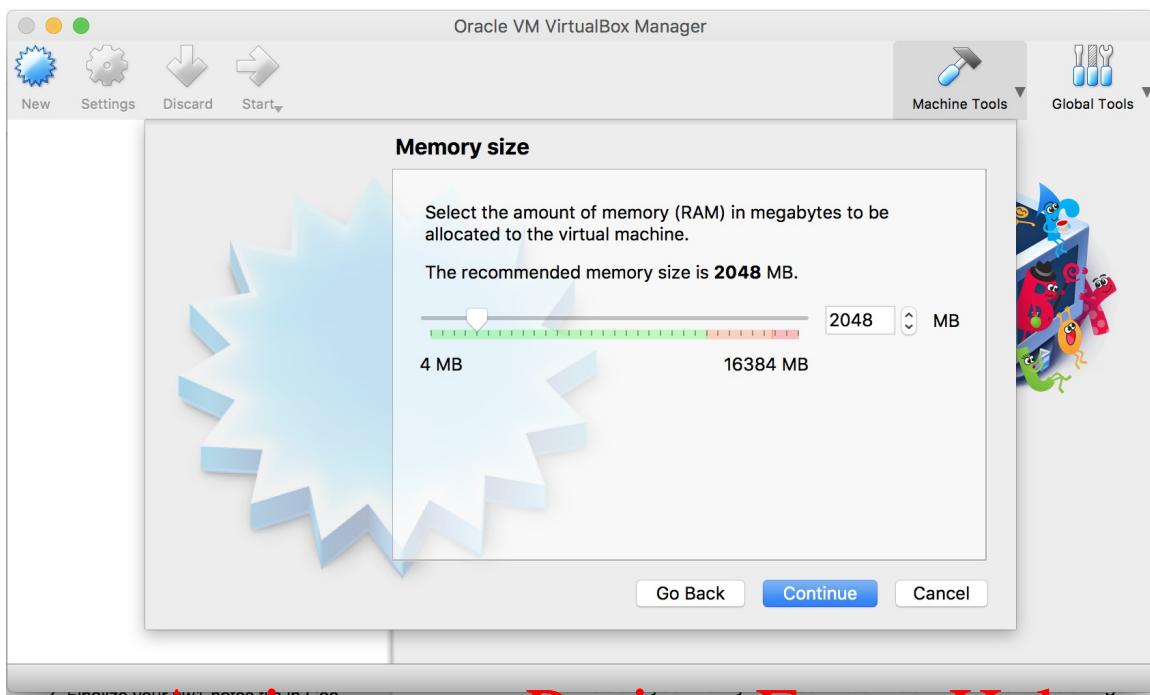
## Assignment Project Exam Help

**Step 3:** Text in the n  
gathered).  
Choose the Type an [will be automatically](https://eduassistpro.github.io/)

<https://eduassistpro.github.io/>

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**Step 4:** Choose memory size



I do the recommended memory size. You could do yours, but at least 1024 MB

**Step 5:** Click "Create

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**Step 6:** Choose "VMDK(Virtual Machine Disk) and click "Continue".

# Assignment Project Exam Help

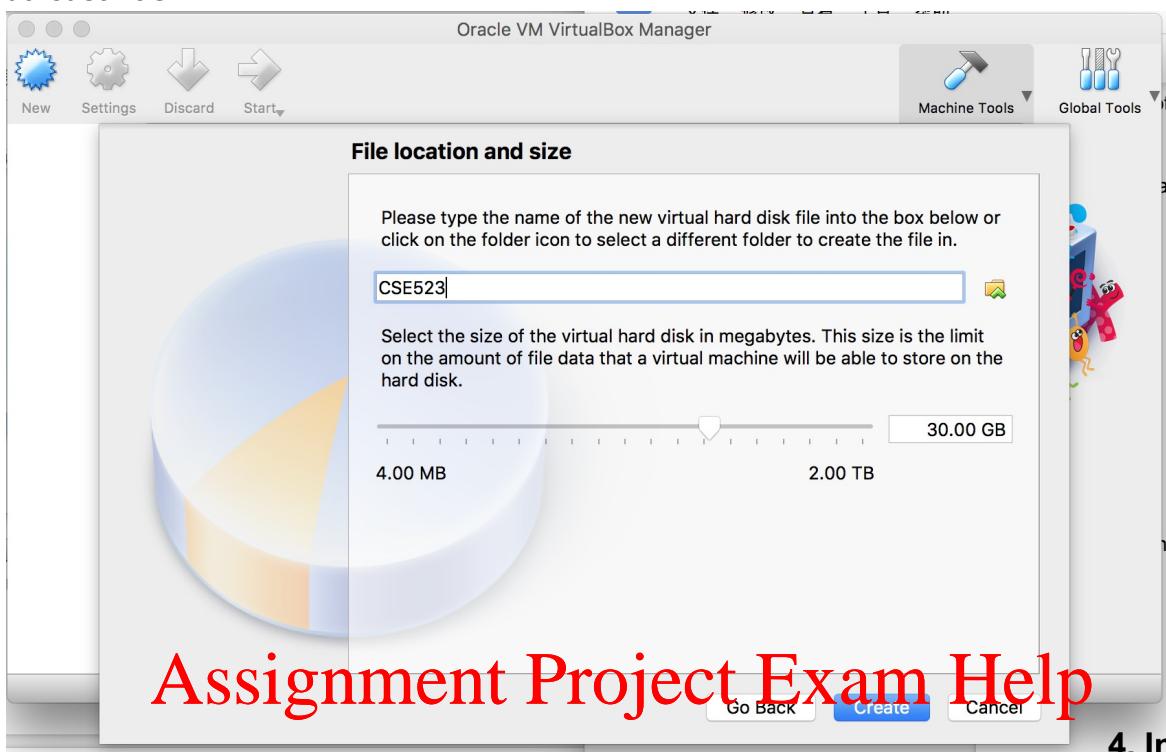
**Step 7:** Choose "Dyn"

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**Step 8:** Choose File location and size. I do the recommended size. You could do yours, but do

at least 15GB.

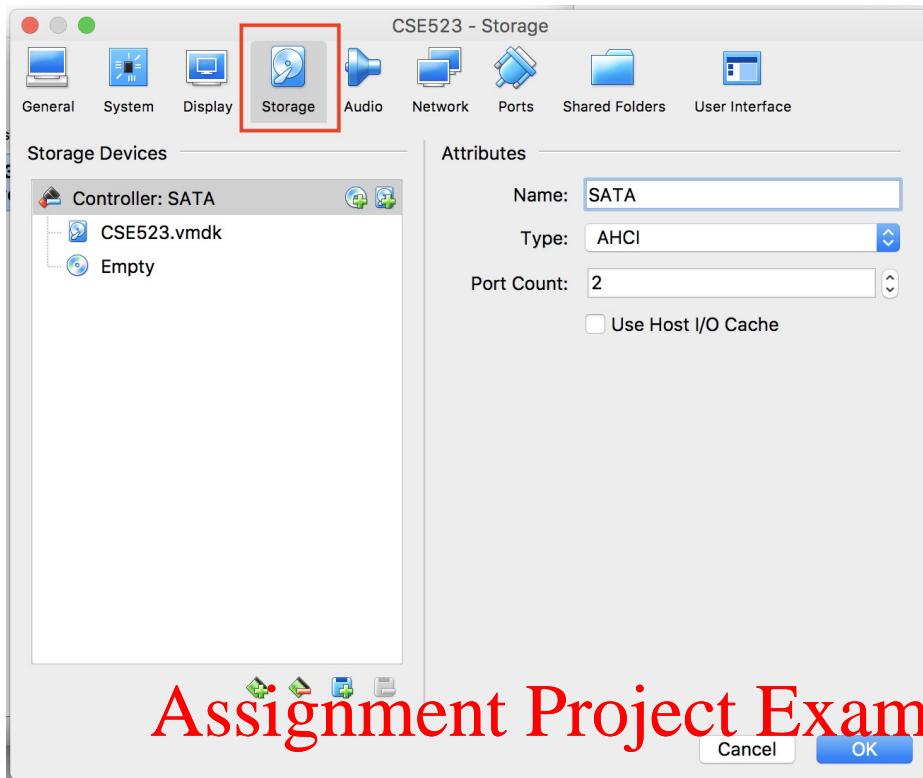


4. Ir

**Step 9:** Choose what <https://eduassistpro.github.io/>

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**Step 10:** Go to “Storage”

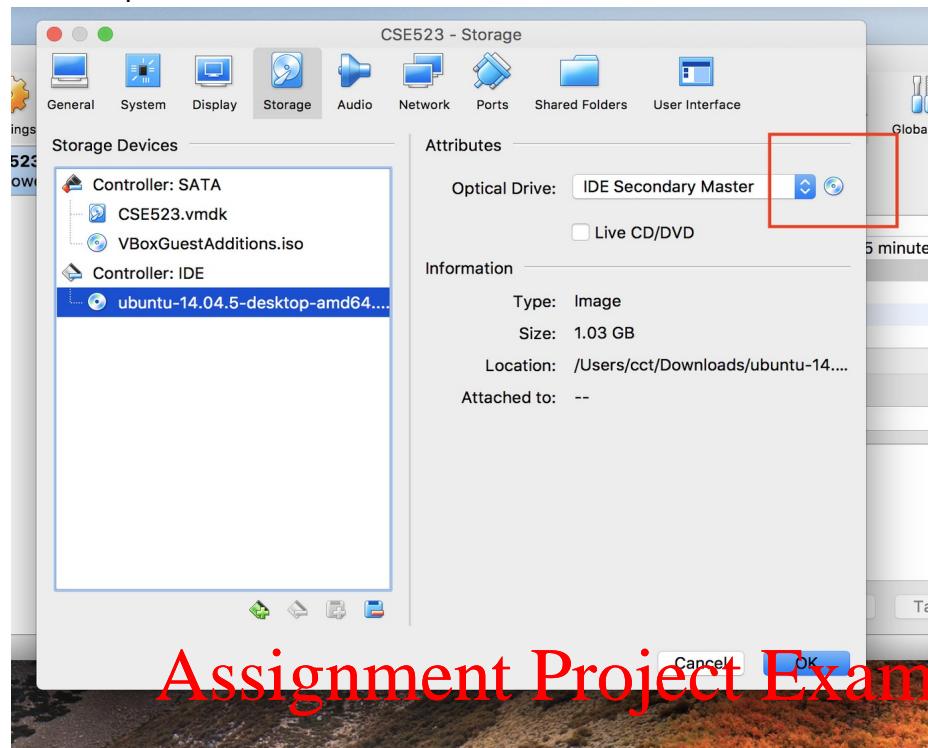


**Step 11:** Click "Empty" <https://eduassistpro.github.io/>

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**Step 12:** Click the CD image next to "Optical Drive: IDE Secondary Master" and select "Choose

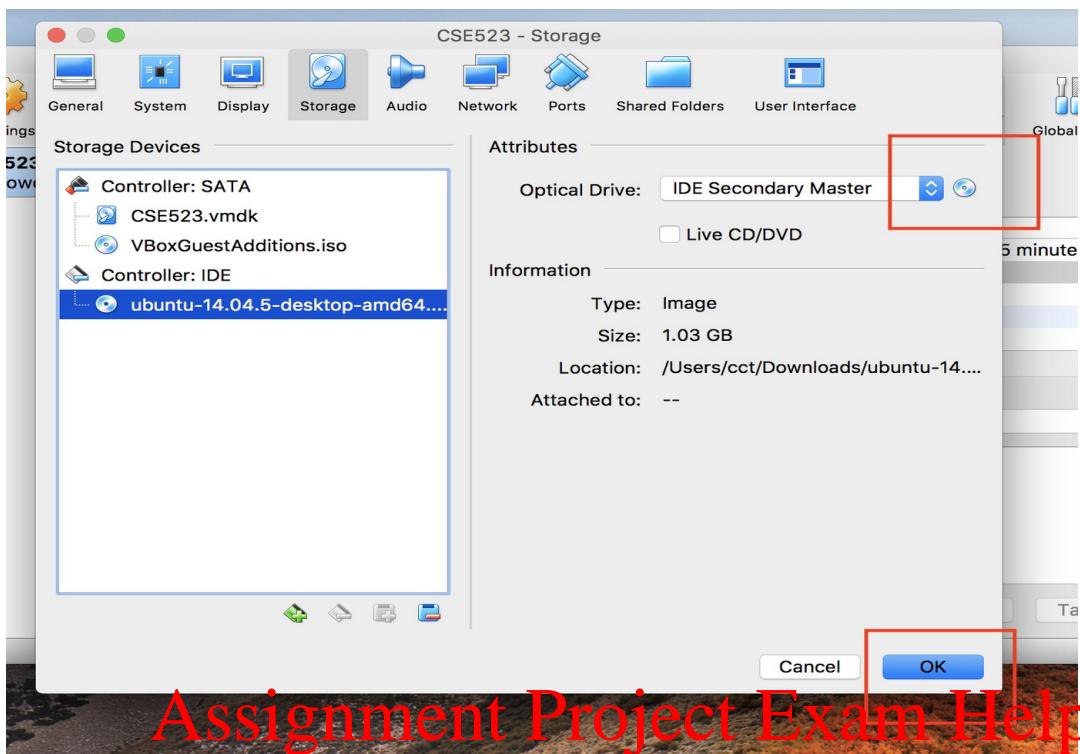
## Virtual Optical Disk File"



Click the button in th <https://eduassistpro.github.io/>

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Find the "ubuntu-14.04.4-desktop-amd64.iso" you downloads and then click "Open".  
After the disk is changed to the iso file you downloaded, click "OK".



Now we are ready to install Ubuntu.

**Install Ubuntu** <https://eduassistpro.github.io/>

**Step 1:** Click “Start” to run the virtual machine.

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**Step 2:** We need to install Ubuntu in this step, following the instructions.

- a. Use keyboard “up” and “down” to choose “Install Ubuntu”.

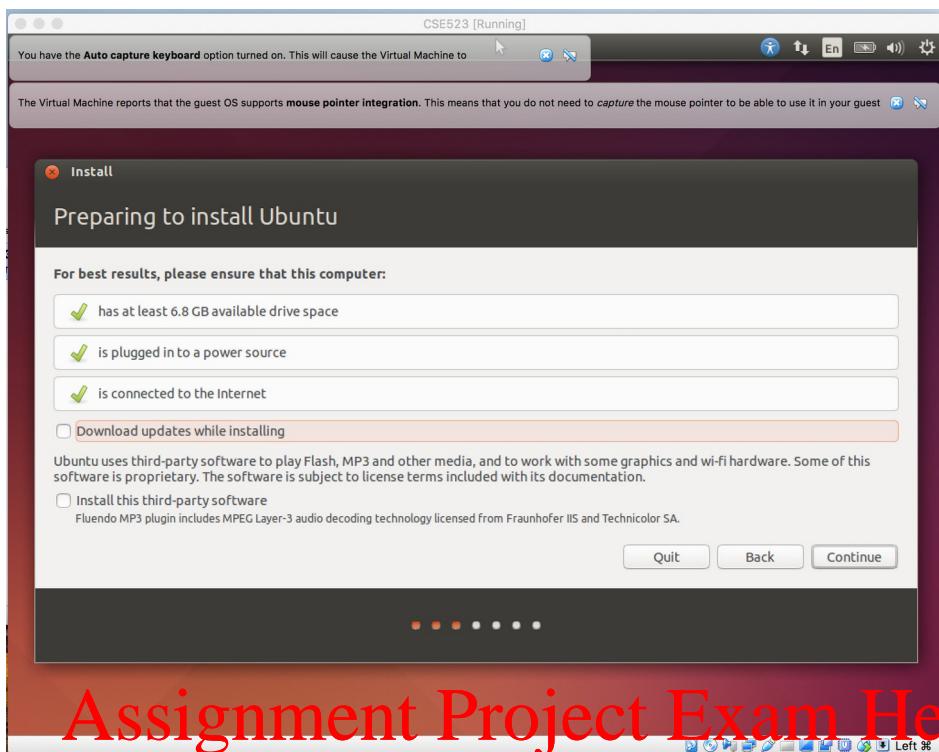


- b. Select "English" and then you could click "Continue".

<https://eduassistpro.github.io/>

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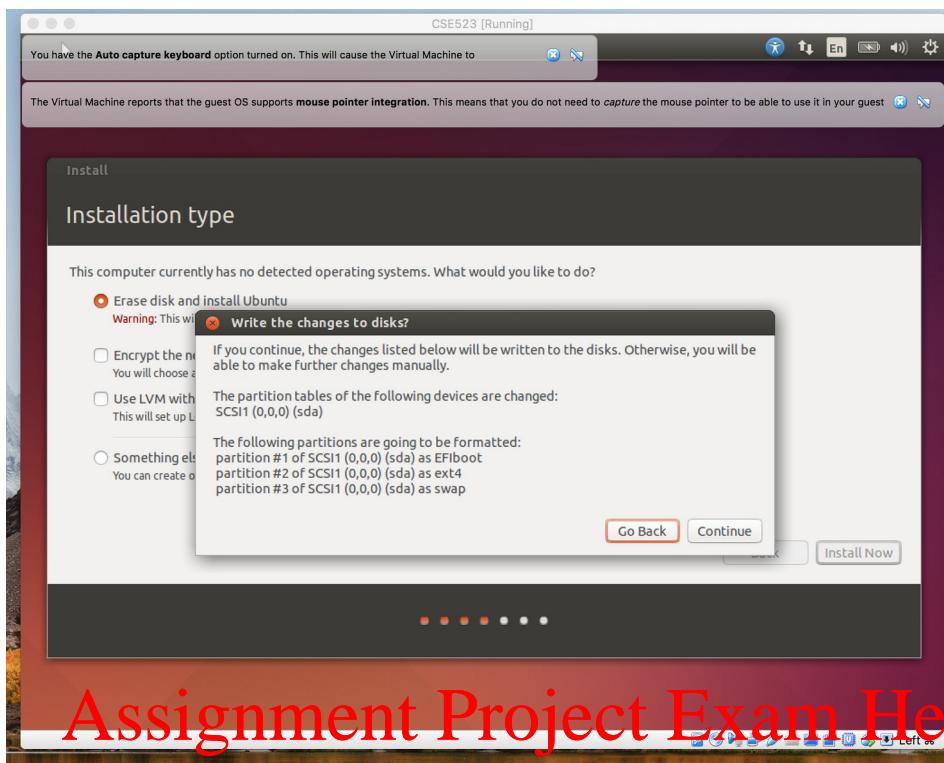
- c. Remember to plug in to a power source, then click “Continue”.



- d. Choose “Eras <https://eduassistpro.github.io/>” on the virtual

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- e. Click “Continue”.

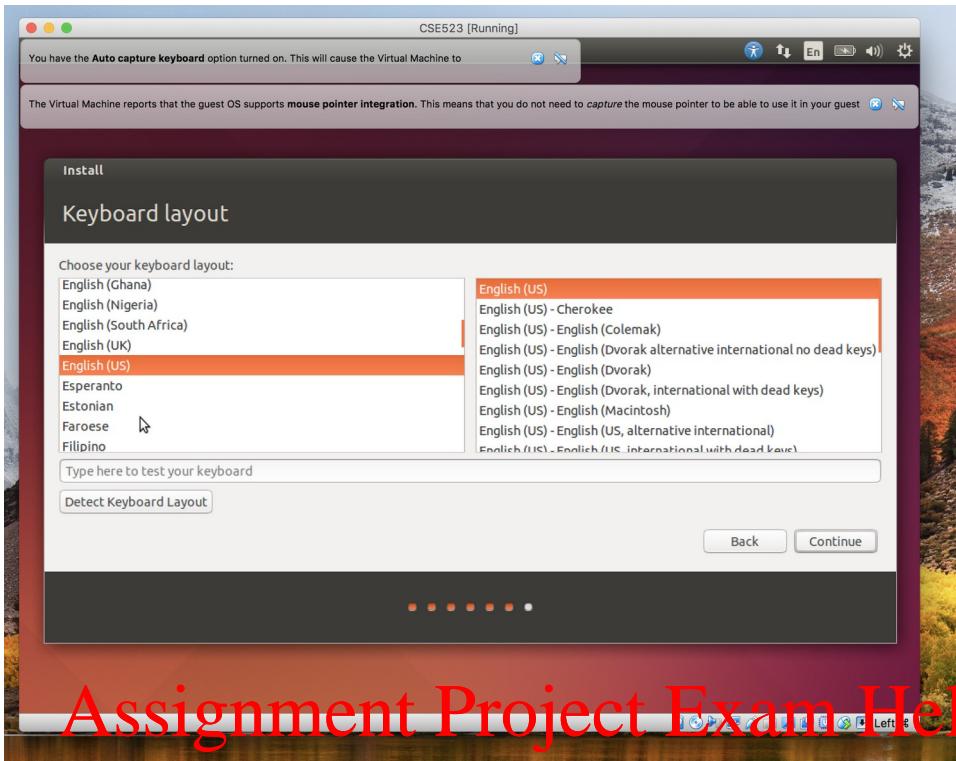


f. Choose your

<https://eduassistpro.github.io/>

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g. Choose your keyboard and click "Continue".

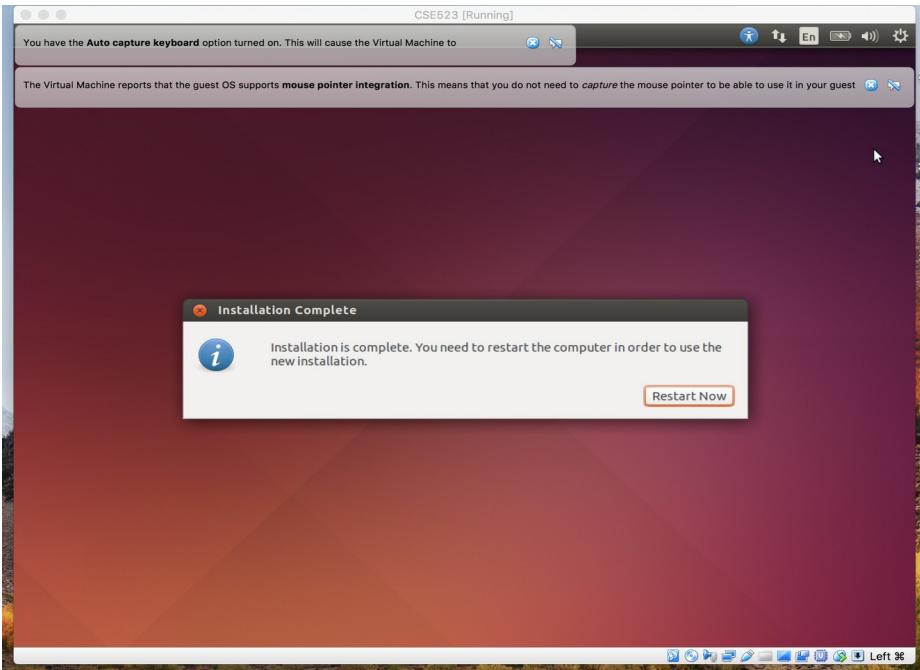


- h. Put in “your n  
Tips:” If you w  
your account

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- i. Click “Restart Now”. After your virtual machine is rebooted, the installation is completed.



## Assignment Project Exam Help

Tip: If your virtual machine won't start, click the red X in the top-left corner of the VirtualBox window, then click "Power Off" in the dropdown menu.

If your virtual machine won't start, click the red X in the top-left corner of the VirtualBox window, then click "Power Off" in the dropdown menu.

a. While

Go back to that VM's Settings --> Storage

"Controller: IDE". If it is empty, you can click the "Add" button, then select "IDE Controller". Then click "OK".

Then click the "CD/DVD" icon and select "File" --> "Insert Disk Image".

Select the .iso file, and then click the "CD Image" dropdown menu.

Then click "OK".

b. Manually start the VM." (copy from [hw1](#))

this guidelines:  
red x and select "Power Off" in the dropdown menu.

contents under the  
empty, click on  
: IDE Secondary

**Step 3:** Make a note of what your host key is.

The VirtualBox host key is important because it allows you to manipulate your whole VM instance in certain ways, even when you are "inside" of the VM. On many machines this is right control. Also, you can bind the host key to a different key if you prefer.(copy from [hw1](#)).

## **Install Guest Additions on your Virtual Machine**

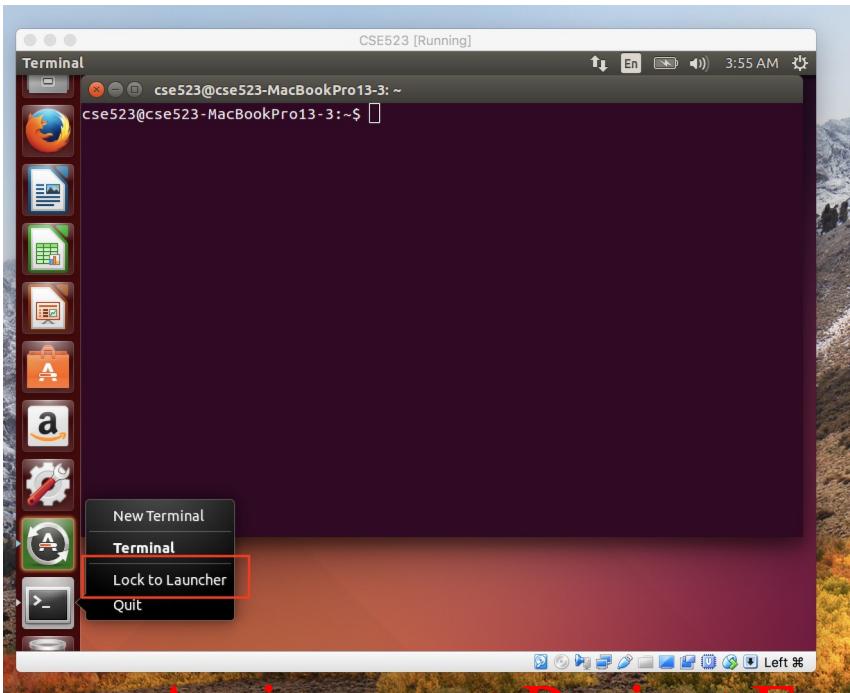
**Step 1:** Click the Ubuntu swirl in the top left corner, text in “terminal”.

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**Step 2:** Right click the terminal icon that shows up in the side menu and select “Lock to Launcher”.



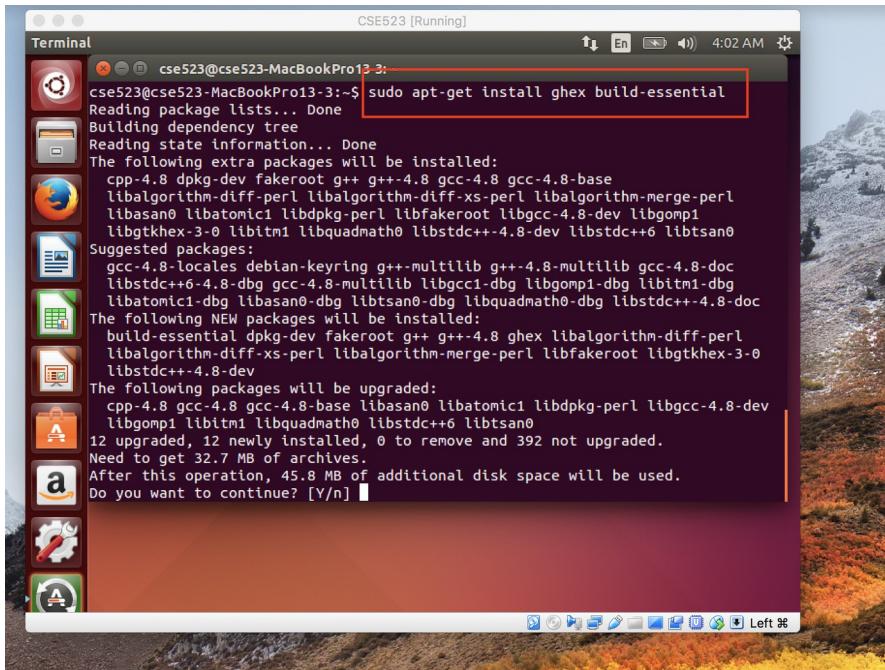
**Step 3:** In order to ensure we install the most recent software packages, run `sudo apt-get update` in the terminal.

Then put in your pas

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**Step 4:** Run `sudo apt-get install ghex build-essential` to install packages and type "Y".



## Step 5: Assignment Project Exam Help

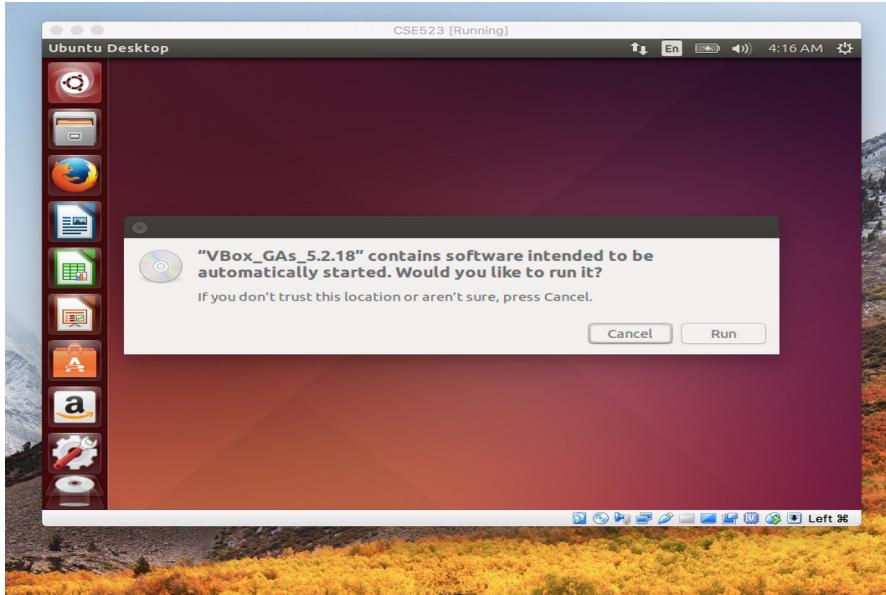
“Guest additions” provides added functionality like making the virtual machine fullscreen and sharing a common clipboard with the host machine.”

Click “Devices” in the overall VirtualBox program menu.

Click “Insert Guest Additions CD image”.

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Click “Run”.



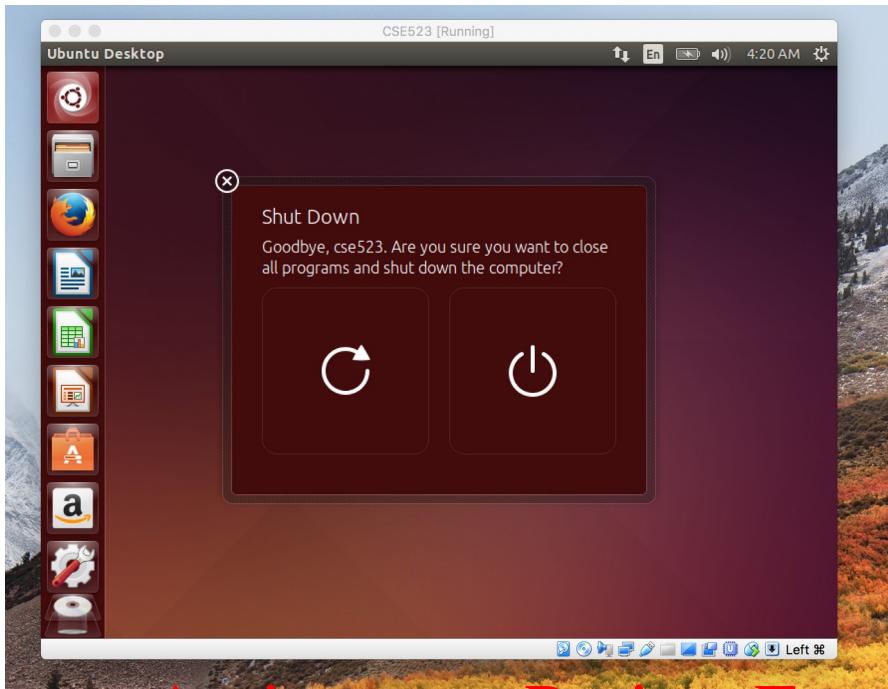
Enter your password. This should succeed. Hit return to close the window.

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**Step 6:** Shutdown your virtual machine.



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**Step 7:** Remove the

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**Step 8:** Start the virtual machine again, as we did in **Step 1**. Hopefully now you should be able to resize the virtual machine window to a size convenient to you, or go fullscreen(ctrl + f) if you prefer. On my computer I can go full screen and back by using command+f.

**Step 9:** If the guest additions works well, shut down the virtual machine and go to next section.

# **Assignment Project Exam Help**

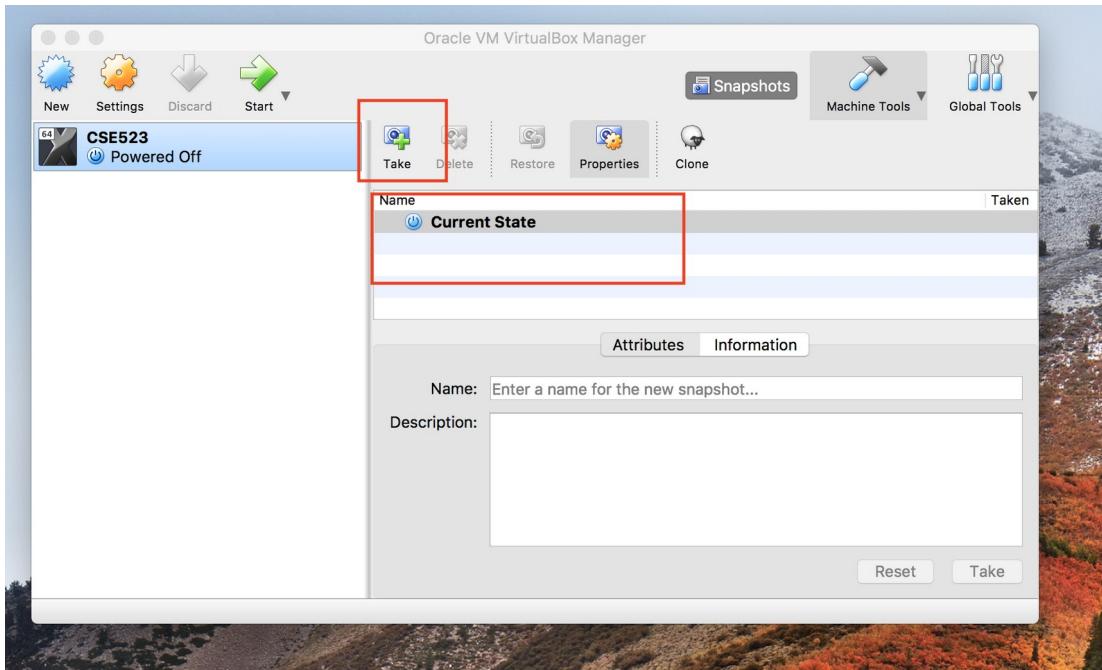
**Snapshot your base Virtual Machine**

**Step 1 :** Select your

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**Step 2:** Click the camera icon to take a snapshot of current state.

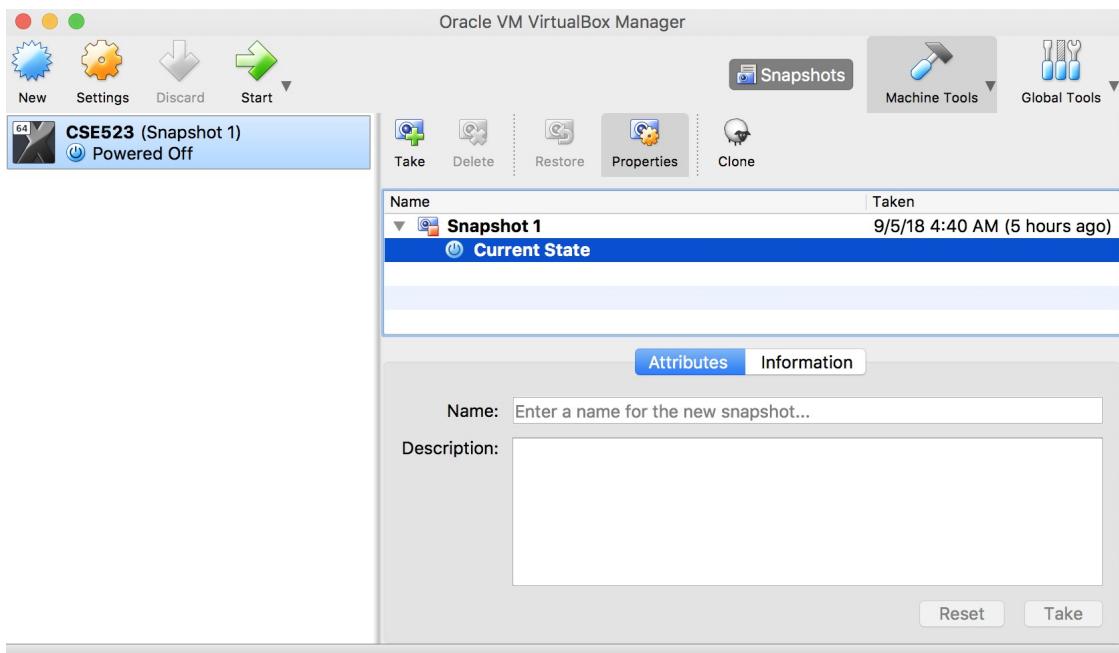


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**Step 3:** Put in the name <https://eduassistpro.github.io/>

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**Step 4:** Your snapshot is completed. It should look like the following screenshot.



Now if anything ever goes wrong, we can always start our virtual machine based off of the good state we just saved.

**Assignment Project Exam Help**

**Finalize this** <https://eduassistpro.github.io/>

Make all of your final edits. Make sure your work is in "Overview" section at the top of this document. Remove the following drawing.

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**Finished!**