Installing Virtual Box on Your computer

Please note that the exact sequence of steps may vary depending on the version of the virtual box you are using. However, the following should give you a general idea about how to proceed. Once you finish installing the virtual box software, you will need to create a virtual machine. Please follow the following steps.

,	a const	A reaso
Welcome to the New Virt	ual Machine Wizard!	
This wizard will guide you through th	e steps that are necessary to cr	eate a new virtual machine for VirtualBox.
Use the Next button to go to the ne can also press Cancel if you want to	ext page of the wizard and the B o cancel the execution of this wiz	ack button to return to the previous page. zard.

On the following pages, the wizard will ask you for the bare minimum of information that is needed to create a VM, in particular:

1. Enter a VM name, this can be anything you want

2. For **"Operating System",** select Linux. For **"Version"**, select Ubuntu or Fedora.

VM Name and (DS Type
Enter a name for the r the virtual machine.	new virtual machine and select the type of the guest operating system you plan to install onto
The name of the virtua VirtualBox components	al machine usually indicates its software and hardware configuration. It will be used by all s to identify your virtual machine.
Name	
CSE4300	
OS Type	
Operating System:	Linux 🗸 🕥
Version:	Ubuntu 🗸
	Next Cancel

- 3. On the next page, select the **memory (RAM)** that VirtualBox should allocate every time the virtual machine is started. I would recommend around 1-2GB of RAM for good performance. Don't allocate too much memory or it may cause your host OS to constantly switch out memory to your hard disk, causing a severe degradation in performance. Make sure to leave at least 1-2GB of RAM for the host machine depending on how demanding the host OS is.
- 4. Next, you must create a new empty **virtual hard disk** for your VM.

I disk or select
achine setting
*

- Check the Start-up Disk Button
- Select the "Create new hard disk" button.

This brings up another window, the **"Create New Virtual Disk Wizard"**

Welcome to the virtual disk creation wizard This wizard will help you to create a new virtual disk for your virtual machine. Use the Next button to go to the next page of the wizard and the Back button to return to the previous page. You can a press Cancel if you want to cancel the execution of this wizard. Please choose the type of file that you would like to use for the new virtual disk. If you do not need to use it with other virtualization software you can leave this setting unchanged. File type Image: WDI (VirtualBox Disk Image) WDK (Virtual Machine Disk) HDD (Parallels Hard Disk)			
This wizard will help you to create a new virtual disk for your virtual machine. Use the Next button to go to the next page of the wizard and the Back button to return to the previous page. You can a press Cancel if you want to cancel the execution of this wizard. Please choose the type of file that you would like to use for the new virtual disk. If you do not need to use it with other virtualization software you can leave this setting unchanged. File type VDI (VirtualBox Disk Image) VMDK (Virtual Machine Disk) VHD (Virtual Hard Disk) HDD (Parallels Hard Disk)	Weld	come to the virtual disk creation wizard	
Use the Next button to go to the next page of the wizard and the Back button to return to the previous page. You can a press Cancel if you want to cancel the execution of this wizard. Please choose the type of file that you would like to use for the new virtual disk. If you do not need to use it with other virtualization software you can leave this setting unchanged. File type VDI (VirtualBox Disk Image) VMDK (Virtual Machine Disk) HDD (Parallels Hard Disk)	This w	vizard will help you to create a new virtual disk for your virtual machine,	
Please choose the type of file that you would like to use for the new virtual disk. If you do not need to use it with other virtualization software you can leave this setting unchanged. File type VDI (VirtualBox Disk Image) VDI (Virtual Machine Disk) VHD (Virtual Hard Disk) HDD (Parallels Hard Disk)	Use th press	ne Next button to go to the next page of the wizard and the Back button to return to the prev Cancel if you want to cancel the execution of this wizard.	ious page. You can al
File type VDI (VirtualBox Disk Image) VMDK (Virtual Machine Disk) VHD (Virtual Hard Disk) HDD (Parallels Hard Disk)	Please virtual	e choose the type of file that you would like to use for the new virtual disk. If you do not need to lization software you can leave this setting unchanged.	o use it with other
 VDI (VirtualBox Disk Image) VMDK (Virtual Machine Disk) VHD (Virtual Hard Disk) HDD (Parallels Hard Disk) 	File	type	
 VMDK (Virtual Machine Disk) VHD (Virtual Hard Disk) HDD (Parallels Hard Disk) 	0	VDI (VirtualBox Disk Image)	
 VHD (Virtual Hard Disk) HDD (Parallels Hard Disk) 	0	VMDK (Virtual Machine Disk)	
HDD (Parallels Hard Disk)	0	VHD (Virtual Hard Disk)	
	0	HDD (Parallels Hard Disk)	

Select the VDI File Type.

You can select the virtual disk storage details on the next window. Either option is will work fine. Select whichever you prefer. Next select the location and size of the virtual disk file

Virtua	disk	file	loca	ation	n an	d si	ze												
Please ty create th	pe the e file in	name	of the	e new	virtu	ual dis	k <mark>f</mark> ile i	into t	he bo	x belo	wor	click o	on the	folde	er icor	n to s	elect a	differ	ent folder to
Locatio	n																		
os161																			6
Select the	e size o	f the	virtua	l disk	in me	gaby	tes. T	his si	ze wil	be re	porte	d to	the G	uest (DS as	the r	naximu	um size	of this virtu
disk.																			
Size										-0-								_	
Size							20	1	Si	9	+	1)			10)	1	8.00 GE
Size	B	j(X.	9	9	22	51										2.00	TB	
Size 4.00 M	в		ß)	1	38	5.1										2.00) TB	

I would recommend 20GB for the disk size if you selected a fixed size and 8GB if you selected dynamic.

5. After clicking on **"Create"**, your new virtual machine will be created. You will then see it in the list on the left side of the Manager window, with the name you entered initially.

Running virtual machine

Double-click on its entry in the list within the manager window



When a VM gets started for the first time, another wizard -- the **"First Start Wizard"** -- will pop up to help you select an **installation medium**.

Select the Ubuntu installation iso file that you had downloaded earlier.

	? <mark>×</mark>
🕒 📝 First Run Wizard	
Select Installation Media	
Select the media which contains the setup program of the operating system you be bootable, otherwise the setup program will not be able to start.	u want to install. This media must
Media Source	
ubuntu-11.10-desktop-i386.iso (695.29 MB)	▼
	Next Cancel

Creating a Virtual Machine in VMware Workstation

After opening up VMware Workstation, click File > New > Virtual Machine The new virtual machine wizard will pop up. Click on the Typical configuration option and select "next>"

New Virtual Machine Wizard	
	Welcome to the New Virtual Machine Wizard
	What type of configuration do you want?
	Typical (recommended) Create a Workstation 6.5-7.x virtual machine in a few easy steps.
	Custom (advanced)
^{VMware®} Workstation 7.1	Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.
Help	<back next=""> Cancel</back>

On the next screen, browse for the installation iso file for ubuntu or fedora that you downloaded earlier and select that. Then click next.

New Virtual Machine Wizard	X
Guest Operating System Installation A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?	
Install from:	
◯ Installer disc:	
DVD RW Drive (E:)	
Installer disc image file (iso): C:\!!!sers\Aaron\Downloads\!uburbu-11_10_deskton.i35 Frames	
C: Users valion (Downloads (Dounter11, 10-desktop-13c) Browse, Browse,	
This operating system will use Easy Install. (What's this?)	
○ I will install the operating system later.	
The virtual machine will be created with a blank hard disk.	
Help < Back Next > Can	cel

Now personalize linux with your login creditentials. Click Next.

Ĩ	New Virtual Mad	hine Wizard
	Easy Instal This is u	l Information sed to install Ubuntu.
b	Personalize Linu:	x
1	Full name:	Operating Systems
C	User name:	username
	Password:	•••••
e	Confirm:	•••••
I		
I		
I		
	Help	< Back Next > Cancel

Select a name for the virtual machine. Click Next.

New Virtual Machine Wizard		23
Name the Virtual Machine What name would you like to use for this virtual machine?		
Virtual machine name:		
os161		
Location:		
C:\Users\Aaron\Documents\Virtual Machines\os161	Brows	e
The default location can be changed at Edit > Preferences.		
<pre></pre>	Ca	ncel

Select the Maximum disk size to the recommended size of 20GB. Click Next.

On the next screen you can click "Customize Hardware" to increase the size of RAM allocated to the operating system. I would recommend around 1-2GB of RAM for good performance. Don't allocate too much memory or it may cause your host OS to constantly switch out memory to your hard disk, causing a severe degradation in performance. Make sure to leave at least 1-2GB of RAM for the host machine depending on how demanding the host OS is.

Install the Linux Distribution

Install Ubuntu

Now you will be able to begin installing Ubuntu. Click on Install Ubuntu when you get to the following prompt:



Next select the installation type. Select "Erase disk and install Ubuntu".

