Virtual Box 6.1.3x Ubuntu 20.04

Instructions to download & install VirtualBox 6.1.14 and Ubuntu 16.04 on a Windows 10 platform

1. Download Ubuntu 16.04.7 disk iso image first

Go to <u>https://releases.ubuntu.co</u>	<u>0m/16,04/</u> 20.0.	H
ubuntu [®] releases		
Ubuntu 16.04.7 LTS (Xer	nial Xerus)	(https:// releases.ubuntu.com/20.04/
Select an image		rocarrossay
Desktop image The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will	64-bit PC (AMD64) desktop image Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, C 2). Choose this if you are at all unsure. 32-bit PC (1386) desktop image	iore
want to use. You will need at least 384MiB of RAM to install		

2. Click on "64-bit PC (AMD64) desktop image (red arrow)

The file "ubuntu-16,04.7-desktop-amd64.iso" will be downloaded to your Downloads folder. Since the file is 1.6GB, it may take several minutes to fish downloading depending on your internet speed.

For almost all PCs. This includes most machines with

3. Now download and install VirtualBox 6.1,14

From this image

4. Go to https://www.virtualbox.org/wiki/Downloads



5. Click on Windows hosts (red arrow)

The file "VirtualBox-6.1.14-140239-Win.exe" will be downloaded onto the Downloads folder.

6. Open the Downloads folder and double click on this file to install



7. Click "Next"

🛃 Oracle VM VirtualBox 6.1.14 Setup	\times
Custom Setup	
Select the way you want features to be installed.	
Click on the icons in the tree below to change the way features will be installed.	
VirtualBox Application VirtualBox USB Support VirtualBox Networking VirtualBox Networking	
VirtualBox Host-C VirtualBox Python 2.x Su Subfeatures requires 217MB on your hard drive. It has 3 of 3 subfeatures selected. The subfeatures require 932KB on yo	
Location: C:\Program Files\Orade\VirtualBox\ Browse	
Version 6.1.14 Disk Usage < Back Next > Cancel	

8. Click "Next"

Custom Setup		
Select the way you want features to b	e installed.	
Please choose from the options below:	:	
Create start menu entries		
Create a shortcut on the desktop		
Create a shortcut in the Quick Laur	nch Bar	
Register file associations		

9. Click "Next"

Oracle VM VirtualBox 6.1.14	€.
	Warning:
	Network Interfaces
	Installing the Orade VM VirtualBox 6.1.14 Networking feature will reset your network connection and temporarily disconnect you from the network.
	Proceed with installation now?
1	

10. Click "Yes"



11. Click "Install"



12. The installation of VirtualBox is done, Click "Finish" to run it

Oracle VM VirtualBox Manager File Machine Help	Ļ	- 🗆 X
IIIY Tools 🖉 🗮	Freferences Import Export New Add	
	Welcome to VirtualBox!	•
	The left part of application window contains global tools and lists all virtual machines and virtual machine groups on your computer. You can import, add and create new VMs using corresponding toolbar buttons. You can popup a tools of currently selected element using corresponding element button. You can press the F1 key to get instant help, or visit <u>voww.witualbox.org</u> for more information and latest news.	
	¢	

13. Click New (red arrow)

			?	\times
← Create Virtua	I Machine			
Name and o	perating system			
Please choose a machine and sele The name you ch machine.	descriptive name and destina act the type of operating syst loose will be used throughou	ation folder for the em you intend to i t VirtualBox to ide	new vii nstall or ntify this	rtual n it. s
Name				
Name:				
Machine Folder:	C:\Users\languyen\Virtu	ialBox VMs		~
Machine Folder: Type:	C:\Users\languyen\Virtu	ıalBox VMs	•	~
Machine Folder: Type: Version:	C:\Users\languyen\Virtu Linux Ubuntu_64	ialBox VMs	•	54
Machine Folder: Type: Version:	 C:\Users\languyen\Virtu Linux Ubuntu_64	ualBox VMs	*	54

14. Type Ubuntu 16,04.7 where the red arrow is, then click "Next"

		?	×
← Create Virtual Machine			
Memory size			
Select the amount of memory (RAM) in megabytes virtual machine.	to be alloca	ited to the	9
The recommended memory size is 1024 MB.			
-		1024	🖨 МВ
4 MB	32768 MB		
	Next	Cano	el

15. Adjust the memory size to what you need. If you are not sure, the recommended default 1024MB is sufficient for most applications, just click "Next"

	?	×
← Create Virtual Machine		
Hard disk		
If you wish you can add a virtual hard disk to the new mach either create a new hard disk file or select one from the list location using the folder icon.	ne. You c or from a	an Inother
If you need a more complex storage set-up you can skip this the changes to the machine settings once the machine is cre	step and ated.	l make
The recommended size of the hard disk is 10.00 GB .		
O not add a virtual hard disk		
Create a virtual hard disk now		
O Use an existing virtual hard disk file		
Empty		*
Create	Ca	ancel

16. Click "Create" if you are happy with the recommended size of the hard disk 10 GB

? ×

← Create Virtual Hard Disk

Hard disk file type

Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.

VDI (VirtualBox Disk Image)

O VHD (Virtual Hard Disk)

O VMDK (Virtual Machine Disk)



17. Click "Next"

	?	×
← Create Virtual Hard Disk		
Storage on physical hard disk		
Please choose whether the new virtual hard disk file should g (dynamically allocated) or if it should be created at its maxim	prow as it is u ium size (fixed	sed I size).
A dynamically allocated hard disk file will only use space o disk as it fills up (up to a maximum fixed size), although it w automatically when space on it is freed.	n your physic vill not shrink	al hard again
A fixed size hard disk file may take longer to create on some faster to use.	e systems but	is often
Dynamically allocated		
O Fixed size		
Next	Ca	incel

18. Click "Next"



19. Click "Create"



20. Click "Start" (the green arrow in red circle)



21. Click the Yellow Folder to select the location of the file "ubuntu-16.04.7-desktop-amd64.iso" that you had downloaded earlier.



22. Click Add (red arrow)

$\leftarrow \rightarrow \checkmark \uparrow \downarrow \rangle$	This PC > Downloads	~ U /	Search Downloads	
Organize • New f	older		-	
> 🥌 OneDrive	^ Name	Date modified	Туре	Size
 > This PC > 3D Objects 	 Today (1) ubuntu-16.04.7-desktop-amd64 Earlier this year (2) 	9/26/2020 7:40 PM	PowerISO File	1,658,11
Desktop Documents Downloads	wlan_wiz install	5/21/2020 9:22 PM 5/21/2020 9:22 PM	File folder File folder	
 Music Pictures 				
 Videos Local Disk (C:) 				
> 🥥 CD Drive (D:)	v <			>
File	name:	~ A	ll virtual optical disk file	es (*.dn 🗸
		Γ	Open C	ancel

23. Select the file "ubuntu-16.94.7-desktop-amd64.iso" (in red box) and click "Open"

💕 Ubuntu 16.04.7 [Powered Off] - Oracle VM VirtualBox	- 🗆	×
File Machine View Input Devices Help		
You have the Auto capture keyboard option turned on. This will cause the Virtu	ual Machine to	
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🔯 Optical Disk Selector	?	×
Medium		
Add Create Refresh		
Name Virtual Size		
✓ Not Attached		
Host Drive 'D:' 🖓		
ubuntu-16.04.7-desktop-amd64.iso 1.58 GB		
1		
Search By Name 🔻		
Choose Leave	Empty	Cancel
2 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	-0.0+	Right Ctrl

24. Select the file in the red box and click "Choose"



25. Click "Start"



26. Click Install Ubuntu



27. Click "Continue"

꾿 UI	buntu 16.04	[Running]	- Oracle	VM VirtualB	ох		_		\times
File	Machine	View	Input	Devices	Help				
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This	computer curre	ently has n	o detected	operating sys	tems. Wha	t would you lil	ke to do?		
	Erase disk a	nd install U		documents ph	otos music a	nd any other files	in all operation s	stems	
(Encrypt the You will choose	new Ubunt a security ke	tu installati y in the next s	on for securit	у				
(Use LVM wit This will set up	h the new Logical Volum	Ubuntu ins ne Manageme	tallation nt. It allows takin	g snapshots a	nd easier partitio	n resizing.		
(O Something e You can create	else or resize part	titions yourse	lf, or choose mull	iple partition	is for Ubuntu.			
						Quit	Back	Instal	ll Now
					•••				
					2 💿 🕅		🗆 🛨 🗹 🄇	🛚 🛃 Righ	t Ctrl

28. Click "Install now"



29. Click "Continue"

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The \	irtual Machine reports that the	e guest OS suppo	rts mouse poin	ter integratio	on. This	*	
L Chic	igo						
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30. Click "Continue"

🏏 Ubuntu 16.04	[Running]	- Oracle	VM VirtualB	ох	- 🗆 X
File Machine	View	Input	Devices	Help	
You have the Auto	o capture er)	keyboard	option turne	d on. This v	will cause the Virtual Machine to 🙁 🔪
The Virtual Machin	e reports t	hat the gu	est OS suppo	rts mouse	pointer integration. This 🛛 🙁 🚫
Choose your keyboa	rd layout:				
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Detect Keyboard La	iyout	u			••••
				2 💿 🕅	🚽 🖉 🗐 🔲 🚰 🔽 🚫 😽 Right Ctrl

31. Point your mouse cursor at the highlighted "English (US)" on the left column and double click

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File Machine	e View	Input	Devices	Help				
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Inscatt (as supert	user)						_	
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			Your nam	e:				
		Your co	mputer's nam	ne:				
				The name it us	es when it talks t	o other compute	ers.	
		P	ick a usernam	ie:				
		Cho	ose a passwor	d:)		
		Confirm	your passwor	d:		ĺ		
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32. Enter your name (same as username), password, confirm password, then hit "TAB" key, you should see the outline of the box (pointed to by the red arrow) darken, hit "TAB" key again, then hit "ENTER".



33. Click "Restart Now"

🏏 Uk	ountu 16.04 [Running]	- Oracle	VM VirtualB	ох		_		×
File	Machine	View	Input	Devices	Help				
You I	have the Auto	capture	keyboard	option turne	d on. This wil	l cause the '	Virtual Machi	ine to 🤇	3 🕅
The	Virtual Machine	e reports ti	nat the gu	est OS suppo	rts mouse p o	ointer integ	gration. Thi	s 🤇	8 🤜
				ubu	ıntu⁰)			
					•••				
		Please re	emove th	e installatio	n medium, t	hen press	ENTER:		

34. Press "ENTER"



35. Ubuntu 16.04 is now ready for use