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Thread: [\[Notorious\] Basic Linux Virtual Machine Install Guide](#)

Mi2414 - February 25, 2017, 11:41 pm

Notorious - Basic Linux Virtual Machine Install Guide

Turn your face to the sun and the shadows fall behind you.

Hey, decided to do a quick one for the HF community. I'm going to be expanding this over time, I saw that we had one for Windows one located here and wanted to expand on that since I started studying Linux and I'm trying to get a feel for different flavors.

Downloading the ISO of your choice of Flavor / Distro.

There are so many and probably too many.

I would stick to Elementary OS if you are new to Linux or Ubuntu. Personally I'm a Debian kinda guy.

Picking a VM Client.

I've personally used both Virtual Box and VMware Workstation Pro.

What do I use currently? I currently use VMware Workstation Pro as I found it to be the best for me anyways.

Setup/Install VM

This part is pretty straight forward, you will be greeted with a window looking like this if using VMware Workstation.

Spoiler [\(Click to View\)](#)

Then you will click on Typical for now, if you know what you are doing then feel free to click advanced.

Spoiler [\(Click to View\)](#)

Next you will need to either pop the disc in or select the .iso from a drive on your system. For this tutorial I'm gonna use Elementary OS 64-Bit.

Spoiler [\(Click to View\)](#)

Next select Linux and whatever version is necessary for the distribution you picked out.

Spoiler [\(Click to View\)](#)

Now choose where you would like the location, I usually leave mine to default.

Spoiler [\(Click to View\)](#)

Choose what size drive you would like to have, this can be edited later.

Spoiler [\(Click to View\)](#)

Now it will create the VM after you hit finish or you can hit customize hardware to change the Memory or Processor settings + More.

Spoiler [\(Click to View\)](#)

If you hit finish skip this part. I wanted to boost the Memory to about 4Gb and Processor to 3 threads just to make the system a bit faster.

Spoiler [\(Click to View\)](#)

Installing the OS

Just hit the power on button to start the VM System.

The system will now boot and you will basically just need to install the OS. Most Linux OS's are the same except for like Arch Linux and such which is text mode. To speed this up I will only have text next to parts that need to be explained in detail.

Spoiler [\(Click to View\)](#)

Spoiler [\(Click to View\)](#)

This part can be different depending on what you want to do storage wise and if you want full disk encryption. I left everything at default for this as I'm just showing the basics of setting-up a virtual machine.

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Spoiler [\(Click to View\)](#)

At this point the system will install as in the screenshot below, just wait a few minutes.

Spoiler [\(Click to View\)](#)

Congrats now you can hit restart and hit I finished installing and the system will then reboot. It will prompt to remove the install disc just hit enter.

Now the VM is basically installed and setup.

Spoiler [\(Click to View\)](#)

Updating Linux in the VM

I would recommend updating after you boot for the first time to make sure you have all the latest security fixes etc.

Navigate to Applications and open a terminal window.

Spoiler [\(Click to View\)](#)

Once you have this open type the below command into the window.

Code `sudo apt-get update && sudo apt-get upgrade`

Spoiler [\(Click to View\)](#)

If prompted hit Y to continue the update/upgrade.

Huge thanks to my IRL friend that got me into Linux, I'm currently studying for CompTIA Linux+. If anyone has question don't hesitate to ask, I will be expanding this soon. I know I'm not the most knowledgeable in this field but made this to help others out that don't have a dedicated system but will still like to explore/learn.

Leroy Jethro Gibbs - February 25, 2017, 11:47 pm

Nice tutorial. Glad to see everyone in our group doing these nice things.

TheChi?f - February 25, 2017, 11:47 pm

Thats one detailed tutorial w/ screenshots! This would definitely help a lot of people who have trouble setting up a Linux VM the right way.

arlington - February 25, 2017, 11:48 pm

Hey, I have Ubuntu 16.04.1 32 & 64 bit live installation dvd and I have no clue how to install this on my macbook, also whats a good VM to run it on?

Also I try to find the disk when I attempt to install on workstation but theres no ISO? so confused.

Mi2414 - February 25, 2017, 11:50 pm

(Feb 26, 2017 12:48 AM)fendii Wrote: [\[CITE\]](#) Hey, I have Ubuntu 16.04.1 32 & 64 bit live installation dvd and I have no clue how to install this on my macbook, also whats a good VM to run it on?

Also I try to find the disk when I attempt to install on workstation but theres no ISO? so confused.

Can't help you too much since I don't own a mac. I know parallels works pretty good from what I have heard but I don't make any promises. By workstation you mean VMware workstation? Feel free to drop me a PM.

idalistrades - February 25, 2017, 11:51 pm

Running VM's are very nice, however if your motherboard/CPU/GPU can support Qubes OS it's way better :P

<https://www.qubes-os.org/>

TheChi?f - February 25, 2017, 11:54 pm

(Feb 26, 2017 12:48 AM)fendii Wrote: [\[CITE\]](#) Hey, I have Ubuntu 16.04.1 32 & 64 bit live installation dvd and I have no clue how to install this on my macbook, also whats a good VM to run it on?

Also I try to find the disk when I attempt to install on workstation but theres no ISO? so confused.

I use VirtualBox on my Mac myself. If you need help regarding it, PM me!

Kat? Upton - February 26, 2017, 11:04 am

Really well done tutorial. Good job.

dankbox - February 26, 2017, 4:09 pm

Why even bother with Windows? Shit's insecure and full of government backdoors. GNU/Linux full install is the way to go.

TopKekeroni - February 27, 2017, 7:22 am

Thanks for the tutorial, very detailed!

TheChi?f - February 27, 2017, 9:50 am

(Feb 26, 2017 05:09 PM)dankbox Wrote: [\[CITE\]](#) Why even bother with Windows? Shit's insecure and full of government backdoors. GNU/Linux full install is the way to go.

Most people use it for the applications compatibility.

dsItesco - February 27, 2017, 3:02 pm

Amidst is a knowledgeable user.

Good job on this.

StaticCG - February 27, 2017, 5:59 pm

Yo thanks for the deet tutorial. Will use tbh rn

Gt403cyl - February 27, 2017, 6:04 pm

Very nice tutorial!

Glad you did it on VMware, I use VBox so this rounds out nicely including the Linux installation.

Mi2414 - February 28, 2017, 9:43 am

(Feb 27, 2017 07:04 PM)Gt403cyl Wrote: [\[CITE\]](#) Very nice tutorial!

Glad you did it on VMware, I use VBox so this rounds out nicely including the Linux installation. Thanks man, I really appreciate the kind words.

Vbox is nice also, I just like the features VMware offers.

SIM-1073426 - March 3, 2017, 2:11 pm

Nice detailed tutorial, keep up the good work!

Annointed - May 2, 2017, 4:24 am

Could you help me out here?: <https://hackforums.net/showthread.php?tid=5612107>

ven0m - May 2, 2017, 10:21 am

Many distributions provide VM images which can be downloaded and imported into the VM software of choice. This is helpful for those who does not wish to go through the trouble of installation in the virtual machine. Nice thread and thank you for the share.

Mi2414 - September 20, 2017, 1:29 am

If anyone has questions about Virtual Machines, in general, feel free to ask, I personally use VMware over VBox but both are good.