

Forum: [Hack Forums](#)

Thread: [\[Tutorial\] How to setup your first Virtual Machine for hacking.](#)

Mr. Robot - November 14, 2018, 9:03 am

This will be for beginners as we might as well start from the start.

I will be using VirtualBox as I personally prefer it over VMware. This will all be for Windows however the steps are similar for mac.

Step 1,

Download VirtualBox from here - depending on when you see this thread, it might be best to download from the website itself as the direct download will be outdated.

Website: <https://www.virtualbox.org/wiki/Downloads>

Direct Download:

<https://download.virtualbox.org/virtualbox/5.2.22/VirtualBox-5.2.22-126460-Win.exe>

Step 2,

Download Kali Linux from here - We will be using the prebuilt images for ease of use.

Website: <https://www.offensive-security.com/kali-linux-vm-vmware-virtualbox-image-download/>

32-Bit Direct Download:

<https://images.offensive-security.com/virtual-images/kali-linux-2018.4-vbox-i386.ova>

64-Bit Direct Download:

<https://images.offensive-security.com/virtual-images/kali-linux-2018.4-vbox-amd64.ova>

To identify which OS you are running (32 bit or 64 bit) - Please hold down the windows key on your keyboard + press the "Pause" button by your numpad (above arrow keys).

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Once you have downloaded and installed VirtualBox and you have also downloaded the Kali Linux image you should have a file like so in your downloaded directory.

You can now choose to double click the file and wait for VirtualBox to open it or you can open it inside VirtualBox like so

Now that you have imported it - You can highlight it and click start.

If you get this error:

You will need to either disable usb 2.0 or install the extension pack. I will simply be disabling usb 2.0

You can disable USB 2.0 by clicking the settings button at the top left corner, going down to USB and clicking USB 1.1 in the radio box (then OK)

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Enter the username: root

Enter the password: toor

This will bring you to your new desktop environment.

This will be Part 1 in the in depth tutorials for Kali Linux. We will be looking at most of the pre-installed tools and how we can use them.

Part 2 will contain "01 - Information Gathering" where we will discuss the following pre-installed tools. dmitry

dnmap-client

dnmap-server

ike-scan

maltego

netdiscover

nmap

p0f

recon-ng

sparta

zenmap

First part will be listed here:

<https://hackforums.net/showthread.php?tid=5907463>

Skepticism - November 14, 2018, 9:18 am

Thanks for this! It will definitely be a big help as I take a step closer into the world of 'hacking'.

tobufckr - November 14, 2018, 9:35 am

Cool, excited for the next tuts.

CyberError - November 14, 2018, 9:45 am

My question is , how to record gif like this

Skepticism - November 14, 2018, 9:50 am

(Nov 14, 2018 10:45 AM)CyberError Wrote: [\[CITE\]](#) My question is , how to record gif like this

[Click me](#)

You're welcome. ?

Mr. Robot - November 14, 2018, 10:17 am

(Nov 14, 2018 10:45 AM)CyberError Wrote: [\[CITE\]](#) My question is , how to record gif like this

I tend to use OBS for better quality then convert to gif afterwards. If it's a very long gif I will use giphy to host it - Imgur converts to mp4 if it's too long.

iLikezzYou - November 16, 2018, 5:41 pm

Awesome stuff :) Good tutorial.

Ovidiu - November 22, 2018, 3:56 pm

Thanks for the tutorial man great work, much appreciated.

constptr - November 28, 2018, 3:09 pm

I don't know why people even use windows? Good tutorial for beginners.

NotAFuzeWZ - November 28, 2018, 8:51 pm

Awesome tutorial, thank you!

bonalas - December 7, 2018, 6:43 pm

how much is it, is it regularly updated?

Mr. Robot - December 7, 2018, 6:58 pm

(Dec 7, 2018 07:43 PM)bonalas Wrote: [\[CITE\]](#) how much is it, is it regularly updated?
It's free and yes. You can just run an update inside it.

blizzardus - December 8, 2018, 8:42 am

nice, this helped me a bit and probably is good for other new people.

Galnah55 - January 24, 2019, 10:44 am

kali is really the best.

i have one installed and it can be used for sooo many things.

Mr. Robot - February 7, 2019, 6:13 am

Almost forgot about these, been a tad busy let's go.

R A B B - February 7, 2019, 7:40 am

Stoked when the guides come out

Already running Parrot OS on my laptop as Operating system. That's how I will be learning.

aris1337 - February 9, 2019, 7:44 am

Thank you! Much appreciate!

sagamatete - February 18, 2019, 3:08 am

cool stuff. thanks for sharing

SleepMobile - February 18, 2019, 1:24 pm

Awesome tutorial , thanks you <3

shyamoli - February 28, 2019, 11:56 am

I have changed my usb 2.0 to 1.0 as your advice on my win7 32 bit but got same error message.
Any more solution?

Tor - February 28, 2019, 2:09 pm

Nice tutorial. Have you considered using <https://subgraph.com/> on vm ?

Mr. Robot - February 28, 2019, 2:32 pm

(Feb 28, 2019 03:09 PM)????? M??GH?L??S™ Wrote: [\[CITE\]](#) Nice tutorial. Have you considered using <https://subgraph.com/> on vm ?

That looks tasty. Hit me with a thread about it.

Effexion - February 28, 2019, 2:33 pm

Great tutorial, Mr Robot. Thanks for the contribution.

Saint - February 28, 2019, 2:35 pm

How well does this perform vs installing it on my ssd/hdd?

Is it fast? No lagg?

Tor - February 28, 2019, 2:44 pm

(Feb 28, 2019 03:32 PM)Mr. Robot Wrote: [\[CITE\]](#) That looks tasty. Hit me with a thread about it. Unfortunately there is no thread about it as of now. We can make one if you want. It could be useful for some people.

I found it on this other awesome website : <https://www.privacytools.io/#os>
Lmk what you think ?

-edit

Actually there are two:

<https://hackforums.net/showthread.php?tid=5917487&highlight=subgraph>

<https://hackforums.net/showthread.php?tid=5206382&highlight=subgraph>

(Feb 28, 2019 03:35 PM)Saint Wrote: [\[CITE\]](#) How well does this perform vs installing it on my ssd/hdd?

Is it fast? No lagg?

If you use the vm on ssd it's same thing. Isn't it?

Saint - February 28, 2019, 10:20 pm

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If you use the vm on ssd it's same thing. Isn't it?

No? Because theres still less ram located to it? Isn't it?

Tor - February 28, 2019, 11:21 pm

(Feb 28, 2019 11:20 PM)Saint Wrote: [\[CITE\]](#) No? Because there's still less ram located to it? Isn't it? If you have enough ram you can assign as much ram as you want for it.

shabahighrank - March 1, 2019, 6:37 am

(Nov 14, 2018 10:03 AM)Mr. Robot Wrote: [\[CITE\]](#) This will be for beginners as we might as well start from the start.

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this is pretty basic, do you have more advanced setup? for example with virtual firewall and routers (e.g. pf sense, vyos) en lan segmentation?

Saint - March 1, 2019, 7:50 am

(Mar 1, 2019 12:21 AM)????? M??GH?L??S™ Wrote: [\[CITE\]](#) If you have enough ram you can assign as much ram as you want for it.

I just feel like if its installed on the pc itself it would work better?

If i assign 4gb of ram to it, and i have 4gb left, will i still use my full 8gb when i back out the VM for a second? Or will it stay 50/50 untill the VM is closed.

Tor - March 1, 2019, 11:15 am

(Mar 1, 2019 08:50 AM)Saint Wrote: [\[CITE\]](#) I just feel like if its installed on the pc itself it would work better?

If I assign 4gb of ram to it, and I have 4gb left, will I still use my full 8gb when I back out the VM for a second? Or will it stay 50/50 until the VM is closed?

I think there is a solution to this problem. I found this online:

If you use an SSD you will have the ram needed I guess.

edit:

<http://hummerstudio.com/hddturbo> - this is free alternative

wtsxhack - March 31, 2019, 9:34 am

Thanks Very helpful thread.

dcrown - April 16, 2019, 1:26 am

Please, i am new to Hacking. Is Virtual Machine can be on system at the same time with window. and also, Is there a feature to use RDP/VPN on it?

dasmala - April 28, 2019, 2:39 am

Thank you very much for the tutorial!

iTHX - April 30, 2019, 8:56 am

i bought another computer but it has a pentium processor, would this still work?

GoodBoy2019 - May 5, 2019, 6:24 am

very good thanks for the effort

Stanley - June 23, 2021, 9:31 pm

I'm Stanley HF's helper bot. This OP (original poster) of this thread wants everyone to see this page and has elected to bump it to the top of the showthread listing. Since HF doesn't want a ton of LQP

(Low Quality Posts) this is the best method of bumping your content. There is a small ?yte fee for each bump. Any OP can bump any of their threads on HF from the linked icon on the top of their first post.

If you haven't already read the first post of this thread we encourage you to do so.

Thanks,
Stanley

Zyker - *August 13, 2021, 10:37 am*

thank you for tutotrials is good for setup on vm

Orianna ? - *August 14, 2021, 7:05 pm*

Very well-informed tutorial for beginners, very well done