

Forum:[Hack Forums](#)

Thread: [Configuring Kali VM....](#)

JaimeLannister - November 3, 2014, 10:58 am

I am working on setting up a vm of kali (for two reasons: 1. to have a shared folder to save password lists, etc. 2. b/c I got an external wifi antenna that seems to be picking up signals twice as well as my internal chip but it takes up both usb slots b/c it is big enough to block the other). I also have a xp virtual box and there are a few things I'd want to be able to put in the kali vm, so I'll create a subfolder in the xp shared folder that can be moved to the folder I mount on the kali vm. A few options I am trying to figure out are:

1. 32 or 64 bit: my kali usb and the iso file on my computer are 64 bit; my oracle doesn't currently support 64 bit vms (my main OS is ubuntu) and I'm not sure if I should be using a 64 bit or 32 bit vm of kali.

2. How much memory and ram to give it (I have a 300g hard drive w/4g RAM), when using kali I will be mostly using it, but as far as memory I will have the shared folder for password lists etc. and would maybe be saving handshakes, etc. to the vm.

If anyone has any idea what options I should configure I would greatly appreciate it. Thank you in advance for your time.

Aura - November 3, 2014, 11:01 am

Well, in order to determine how much RAM and HDD space you'll allocate to your Kali Linux VM, we should see if you'll go with the 32 or 64-bits version of it first. Also, I'm sure that Ubuntu supports 64-bits VM, you only have to enable Virtualization Technology in your motherboard's BIOS. This way, VirtualBox will give you the option to create 64-bits based VMs.

JaimeLannister - November 3, 2014, 12:14 pm

I just went into my bios and oddly there doesn't seem to be an option there to enable it? I have an ASUS w/ 3.8 g memory, a Pentium® Dual-Core CPU T4300 @ 2.10GHz × 2 processor, Mobile Intel® GM45 Express Chipset, and 310 g disk space.

So I went to where I would enable it in VM box and the acceleration tab under system settings isn't available, it is ubuntu 14.04....

Aura - November 3, 2014, 12:16 pm

(Nov 3, 2014 01:14 PM)jm357 Wrote: [\[CITE\]](#) I just went into my bios and oddly there doesn't seem to be an option there to enable it? I have an ASUS w/ 3.8 g memory, a Pentium® Dual-Core CPU T4300 @ 2.10GHz × 2 processor, Mobile Intel® GM45 Express Chipset, and 310 g disk space.

So I went to where I would enable it in VM box and the acceleration tab under system settings isn't available, it is ubuntu 14.04....

When you create a VM, when it asks you to pick the OS, do you have the 64-bits version available ? Like :

Windows 7

Windows 7 (64-bits)

JaimeLannister - November 3, 2014, 12:29 pm

No, I don't.... I must be missing something.... it isn't that old of a labtop it must support it

Aura - November 3, 2014, 1:02 pm

(Nov 3, 2014 01:29 PM)jm357 Wrote: [\[CITE\]](#) No, I don't.... I must be missing something.... it isn't that old of a labtop it must support it

I would Google your laptop brand and model along with "Virtualization Technology" to see if you can find information on how to enable it.

JaimeLannister - November 3, 2014, 3:03 pm

I was just looking up my ASUS, but reading something about a newer model and it actually doesn't have an option for vt-x; I still can't find the virtualization option in the bios on my model. I'm guessing if they don't have it on one of their newer models then they probably don't have it on a older one.

Aura - November 3, 2014, 4:08 pm

(Nov 3, 2014 04:03 PM)jm357 Wrote: [\[CITE\]](#) I was just looking up my ASUS, but reading something about a newer model and it actually doesn't have an option for vt-x; I still can't find the virtualization option in the bios on my model. I'm guessing if they don't have it on one of their newer models then they probably don't have it on a older one.

Then I guess you'll have to go with a 32-bits version of Kali Linux and at this point, 512MBs of RAM would be enough, along with 20-25GBs of HDD space.

JaimeLannister - November 3, 2014, 5:48 pm

I did end up downloading it (I actually tried downloading it a few times recently and it failed a few times, today it worked (the ISO from kali's website not the torrent) I'm thinking the connection might have lagged and it timed out?). Thank you for the advice I probably would have ended up allocating WAY too much RAM to it as well.

If there is a shared folder that uses up space on the host computer not the VM? This is what I'm thinking but am not sure.

Aura - November 3, 2014, 6:02 pm

(Nov 3, 2014 06:48 PM)jm357 Wrote: [\[CITE\]](#) I did end up downloading it (I actually tried downloading it a few times recently and it failed a few times, today it worked (the ISO from kali's website not the torrent) I'm thinking the connection might have lagged and it timed out?). Thank you for the advice I probably would have ended up allocating WAY too much RAM to it as well.

If there is a shared folder that uses up space on the host computer not the VM? This is what I'm thinking but am not sure.

You'll need to install the VirtualBox Guest Addition Tools to use shared folders on your VM. Simply install these, then create a folder on your host system and use the shared folders features of VirtualBox to allow your VM to see it and use it.

JaimeLannister - November 3, 2014, 6:54 pm

If my xp vm has guest additions and a shared folder will I still need guest additions to be configured for kali? I know it will still need its own folder....

I'm actually installing the vm right now, 512mb ram and slightly over 25g disk space. partitioned with encrypted LVM

it says erasing data from partition and the bar isn't moving but I'm guessing this is b/c it has to erase before progressing...

I guess it is moving just SLOW, I want it to have a clean hard drive to run off of though....

Well, I left it up all night to finish rewriting its allocated peice of the hard drive, got through the rest of the installation, and then it unexpectedly failed while installing the GRUB and won't boot; is there anyway to fix this without doing it over again?