

Forum:[Hack Forums](#)

Thread: [Tutorial | How to Dual Boot Kali Linux + Windows 7](#)

NoodleBot™ - July 31, 2013, 9:44 pm

Welcome, to my short and quick tutorial on how to Dual Boot Kali Linux + Windows 7 on one single machine, of course without using a VM.

What you will need:

Kali Linux - [Kali.org](#)

ImgBurn - [ImgBurn.com](#)

ATLEAST 8.5GB DVD+R DL (OR) a 8GB+ USB Device

Knowledge of shrinking partitions (Using Disk Management tool)

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Step 1: Download Kali

Step 2: Download and install ImgBurn software

Step 3: Burn ISO File

Step 4: Shrink Windows Partition

Step 5: Set BIOS to boot DVD/USB Device

Step 6: Install

Step 7: Enjoy

Steps:

Step 1: Download Kali Linux (Your preferred flavor) This will of course vary on your current system specifications, and also what kind of system specifications you want your Kali Linux to possess.

Download your Kali Linux flavor at <http://Kali.org>

Step 2: Your next step is to burn this ISO file to a DVD (Dual Layer DVD recommended, just for it's file size, (You don't want to have to burn shit twice incase your first attempt was not on a big enough CD/DVD, will be annoying.)

Download ImgBurn : <http://www.imgburn.com/>

For this procedure I personally recomend ImgBurn, this is completely free software that will allow you to burn and modify ISO files and other image type files.

[img]http://www.imgburn.com/images/screenshot_ezmodepicker.png[/img]

Step 3: After you have downloaded and installed ImgBurn, open it up and click on the very first option you see, which is also in the above screenshot.

Click on "Write image file to disc"

Simply click on the browse button to find and load your ISO into ImgBurn software.

I recommend check marking Verify, as this will scan the disk for any errors after burning your ISO to it. Just for any precautions.

Step 4: You must now shrink your existing Windows partition on your Hard Drive in order to ensure that there is room for your new Kali Linux OS.

To do this, we will use software provided by Microsoft, which will already be on all computers!

This is an incredibly easy step, all you must do is (if on Windows 7)
Just hit the start button, and type Disk Management.

Once in this menu, you will simply click on your main C: drive, that has windows on it.
Right click it, and now select Shrink Volume.

Now for this part, there is no reason to go overboard, and shrink anymore then 50%.

In my example, I dedicated 100GB (shrunk C: drive to make room for 100GB) of memory for my Kali. This will ensure I have enough room to install it, and also ensure I will have room for updates, new software, new packages, etc.

Step 5: After your DVD/USB device has been burnt successfully and verified to your system's driver, you can now proceed with getting ready for the installation of Kali itself.

If you are using a DVD to install this Kali Dual Boot, you must now configure your system BIOS to either attempt to boot an Operating System from your DVD drive, or from your USB Drive.

This step is different for every computer manufacturer, and if you cannot discover how to get into your BIOS menu, you really should not be trying to install Kali on your system.

Get into your BIOS and set either your DVD/USB device as boot order #1.

EXAMPLE

[img]<http://images.pcworld.com/images/article/2011/01/bios-boot-order-5137405.jpg>[/img]

EXAMPLE

More information on your BIOS and boot order can be found here:
<http://pcsupport.about.com/od/fixtheproblem/ss/bootorderchange.htm>

Step 6: Now that you have set your BIOS to boot from either your DVD or your USB device, assuming that you correctly burnt the ISO file onto your hardware, simply pop in your device and shut down your computer.

When you turn on your computer, you will be prompted with a Kali install page.

Here, you are highly recommended to pick the "Graphical Installation" option.

As you can see in my example, everything is going off perfectly. All drivers and files are loaded from my ISO booting device.

The rest of this stage is purely up to you, you are able to name your new Kali host, you are able to assign your network card (if you are planning on using Kali to crack/hack of any sort, enable your card or else you will have no internet connection.)

Step 7: Enjoy. You're all done.

If you have any questions about Dual Booting, or about Windows or Kali, please post them here. I am only just learning how to use Linux myself (in all my years of being around computers, I've never used a Mac before or a Linux, so this is a first for me.)

Hope this helps a lot of people get into Linux, like me.

webspider - August 1, 2013, 9:57 am

Nice tutorial, well designed and excellently written. It's also easy because kali can be installed with a graphical installation.

Well done!

NoodleBot™ - August 1, 2013, 6:29 pm

Thanks a bunch. :) Glad to see the work appreciated by someone.

PinkPanther - August 1, 2013, 10:13 pm

Its a pretty nice tutorial. I have to ask though, has anyone experienced random 5 second hang/freezes in kali?

PirateBoy - August 1, 2013, 10:28 pm

Its really nice tutorial. Thankx for the HQ tut, Sir.

NoodleBot™ - August 1, 2013, 10:31 pm

(Aug 1, 2013 10:13 PM)PinkPanther Wrote: [CITE](#) Its a pretty nice tutorial. I have to ask though, has anyone experienced random 5 second hang/freezes in kali?

What stages of installing are you encountering this in, or is it just when using it in general logged in?

Thanks for the compliments guys, took one whole night to prepare (I'm terrible at bbcode).

Loki123 - August 1, 2013, 10:32 pm

Have to ask, why the fuck to install something that is designed to be used as Live environment ?

NoodleBot™ - August 1, 2013, 10:33 pm

(Aug 1, 2013 10:32 PM)Loki123 Wrote: [\[CITE\]](#) Have to ask, why the fuck to install something that is designed to be used as Live environment ?

Why use my feet to hold doors open? Why use "I can't believe it's not butter", instead of real butter?

Some people have more options. It's not like your restricted from doing one thing or the other.

Welcome to the internet, where there is more then one way of doing things.

Loki123 - August 1, 2013, 11:07 pm

(Aug 1, 2013 10:33 PM)NoodleBot™ Wrote: [\[CITE\]](#) Why use my feet to hold doors open? Why use "I can't believe it's not butter", instead of real butter?

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Just because you can does not mean that you should. Kali is meant to be run as Live environment therefore you should use it as such.

If you want some tools in Kali you should use it like it is meant to or install Debian and use Kali repos to install the app that you want to. That way you wont end up with applications that just sit there picking up dust. Like 99% of the applications in Kali. Not to mention how god damn unstable and heavy Kali is.

And, would you please instead of writing some rubbish, just answer my question ?

You can masturbate with motoroil, by your logic that is just fine then ? ?

Welcome to the real world, where there is a right way to do something and a wrong way....

Oh and by the way. This all is documented on Kali linux site.

<http://docs.kali.org/installation/dual-boot-kali-with-windows>

Aaaand this should be in the BackTrack section because Kali is simply the next version of BacktTack.

EDIT:

Dont take this the wrong way, it is a good tutorial. I just don't and never will see the point of doing this. It defeats the purpose of having Live environment right there on that CD or USB stick you just created.

NoodleBot™ - August 1, 2013, 11:15 pm

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Again, it's just your opinion on it and some people would want to dual boot just like how dual booting is available for most if not all systems.

You don't have to dual boot if you don't want to, and no one's forcing you to masturbate with motor oil ; my point there was there is choice.

The walkthrough is available there, yes but involves having read a separate walkthrough as well, so I just combined them.

Anyway's, I don't really have time to argue, thanks for reading and constructive criticism. :D

Gent - August 1, 2013, 11:31 pm

Um, no, it's not his opinion. It's a known fact that any penetration testing distribution is not meant to be installed, and should only be used in a Live (or virtualized) environment. This used to be plastered all over their websites.

Loki123 - August 1, 2013, 11:47 pm

(Aug 1, 2013 11:15 PM)NoodleBot™ Wrote: [\[CITE\]](#) Again, it's just your opinion on it and some people would want to dual boot just like how dual booting is available for most if not all systems.

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Yeah, there is a choice. But why installing it when you have it ready on that USB stick you created ? (Or the DVD you burned..)
Like Gent said, it is a known fact that any pentesting distro should not be installed.

But in the tutorial :

Single layer DVD is more than enough space. Single layer is 4.7GB while the ISO file is 2300-2400 at the most depending what version you choose.

Single Layer 4.7 GB
Single Layer Double Sided 9.4GB
Dual Layer 8.5-8.7GB
Dual Layer Double sided 17.5GB
You could possibly get Kali twice on that single layer DVD. ?

What burning software does not check on the size of the C/DVD before burning ?

In most modern computers you should be able to choose what device to boot from instead of changing the boot order. ?

And if you want to install linux distro, Kali is a really stupid choice because it is a single user distro which makes you, the default user root. unlimited permissions over files so it becomes really, really easy for you to fuck your whole system up. Debian with adding Kali Repos and installing the tools you need is what you should do if you need those tools.

NoodleBot™ - August 1, 2013, 11:50 pm

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Since you're just now decompiling every step, go ahead, have at it. Lol I'm not arguing ;)

Gent - August 1, 2013, 11:56 pm

(Aug 1, 2013 11:47 PM)Loki123 Wrote: [\[CITE\]](#) And if you want to install linux distro, Kali is a really stupid choice because it is a single user distro which makes you, the default user root.

Oh God, I didn't know this. The fucking irony right there. I'd be less worried about fucking up my own system than someone else doing it. Especially since this more than likely comes with so much unprotected networking shit.

NoodleBot™ - August 2, 2013, 12:00 am

Just to be clear, I don't care what you guys do your systems, and I know I'm not doing anything wrong with mine, so I'm perfectly fine and you should be too. Don't get so worked up over nothing, or at least something you won't be using.

This is a "How to", not a "Why to" or "Why not to". Those can be made entirely by you.

Gent - *August 2, 2013, 12:13 am*

You're right, but it's somewhat our obligation to inform other users when they're being led to install something insecure. I'm pretty sure Kali comes with `useradd` or `adduser`, but I don't expect anyone following this thread to use that, or to even know how to setup `sudo`. It's rather logical to have the default user be root, then setup a regular user post-install. Most distributions do this (except Ubuntu, but it's a piece of shit anyway) and many applications won't even run as root for security purposes. This goes back to why this should only be ran as a Live system rather than a day-to-day OS.