KALI LINUX INSTALLATION

Kali Linux is the most famous Linux distribution for hackers and penetration testers. The starting point of being a hacker is good knowledge using Kali. So, in this article let us see how to dual boot Kali Linux with windows 10.

Basic Requirements

- A laptop/ PC
- A Pendrive with minimum 8 GB storage space
- Windows 10 or any other version of Windows pre-installed
- Kali Linux v2.0 which you can get here
- PowerISO which you can get here

Step -1

First, we have to download the latest version of the Kali Linux for official website, the link to which is here. You can choose either a 32 bit or a 64 bit version based on your computer. Better download the file with over 3 GB size which comes with some pre-installed tools.

mage Name	Direct	Torrent	Size	Version	SHA1Sum	
Kali Linux 64 bit	ISO	Torrent	3.1G	2.0	aaeb89a78f155377282f81a785aa1b38ee5f8ba0	
Kali Linux 32 bit	150	Torrent	3.2G	2.0	6e5e6390b9d2f6a54bc980f50d6312d9c77bf30b	
Kali Linux 64 bit Light	ISO	Torrent	0.8G	2.0	fc54f0b4b48ded247e5549d9dd9ee5f1465f24ab	
Kali Linux 32 bit Light	ISO	Torrent	0.9G	2.0	bd9f8ee52e4d31fc2de0a77ddc239ea2ac8135	
Kali Linux 64 bit mini	ISO	N/A	28M	2.0	5639928a1473b144d16d7ca3b9c71791925da2	
Kali Linux 32 bit mini	ISO	N/A	28M	2.0	4813ea0776612d4cc604dfe1eaf966aa381968ae	
Kali Linux armel	Image	Torrent	2.1G	2.0	99a2b22bc866538756b824d3917d8ed62883ab	
Kali Linux armhf	Image	Torrent	2.0G	2.0	f57335aa7fb2f69db0271d82b82ede578cb1889e	

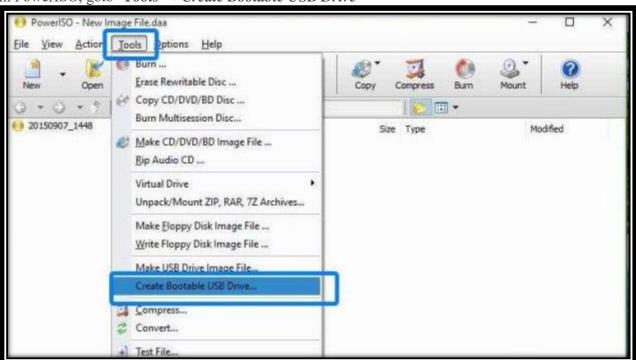
Step -2

After downloading Kali, we have to make a bootable USB drive by downloading PowerISO. The link is given above, you have to download it and install.

Step -3

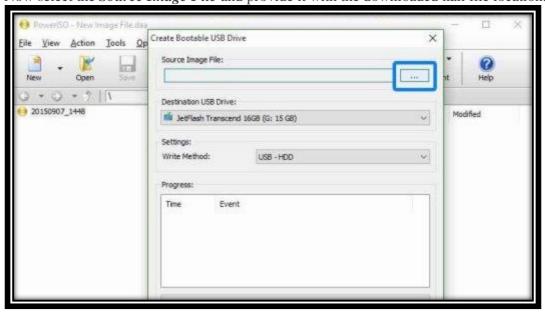
Now, run the installed PowerISO as administrator.

In PowerISO, goto" *Tools* → *Create Bootable USB Drive*"



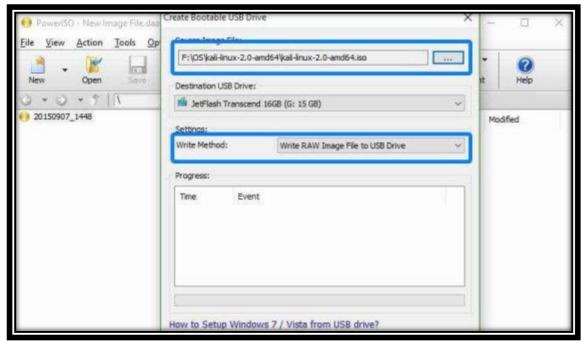
Step -4

Now select the *Source Image File* and provide it with the downloaded kali file location.



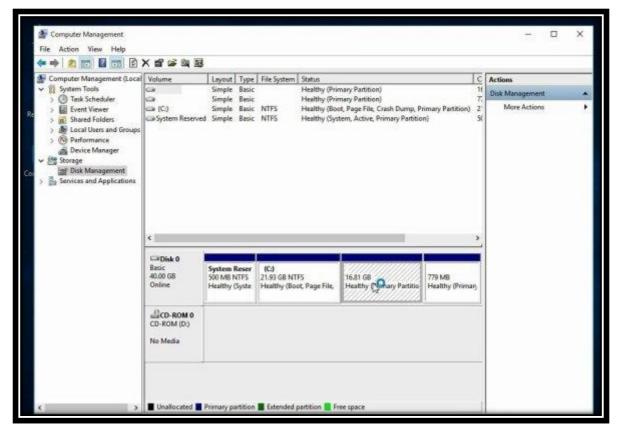
Step -5

In another tab *Destination USB Drive*. Choose *your USB* drive/Pendrive. And select Write Method as "*Write RAW Image File to USB Drive*". Finally hit" *Start*" button below. Wait till the process to complete.



Step-6

Next step is to create a *separate partition* for Kali Linux installation. For this, open your Disk Management settings in Windows or just type" *diskmgmt.msc*" command in Run. Create a new partition of size about 15-25GB minimum by shrinking any existing volume. If you choose to use Kali often then you can give it more than 50 GB of storage. For demonstration sake we created a new partition of size 17GB.



Step -7

We are done with all the initial processes. Now **restart** your PC and enter bios by pressing F2 key or Esc key based on your computer model. Select **Boot as USB** option. Now an image similar to the one below appears, click on **Graphical install.**



Step -8 In the next page select your preferred language.



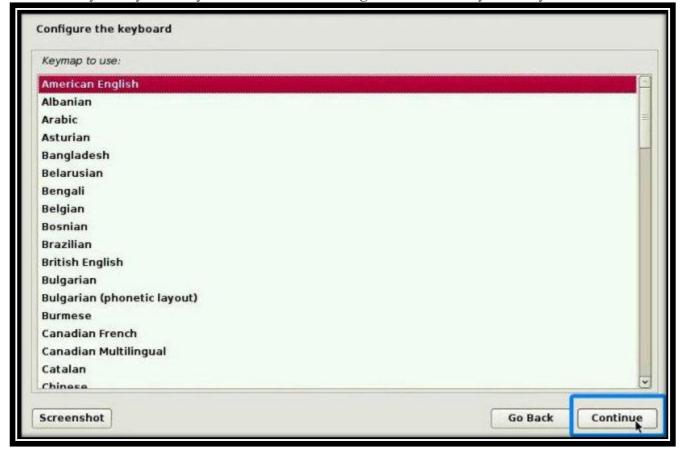
Step -9

In this page select your country and clicks continue to installation process.

The selected location will be used to set your time zone and also locale. Normally this should be the country where you live. This is a shortlist of locations based on the language you select listed. Country, territory or area:	
Canada	
Hong Kong	
India	
Ireland	
New Zealand	
Nigeria	
Philippines	
Singapore	
South Africa	
United Kingdom	
United States	
Zambia	
Zimbabwe	
other	The state of the s

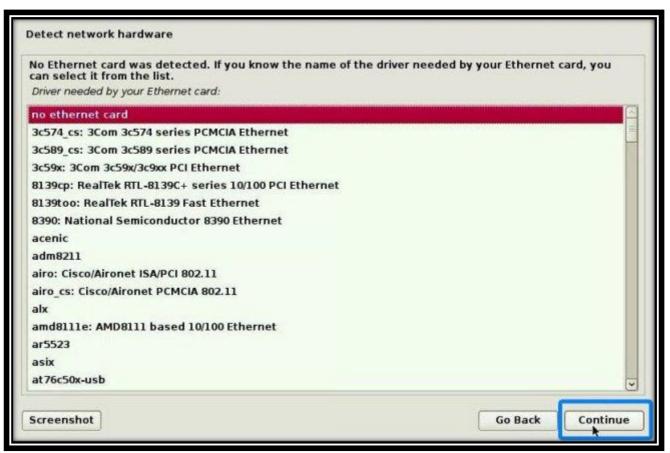
Step -10

Now choose your key board style. Choose American English for normal key board style.



Step -11

In this step we have to set IP configurations. You can configure your network automatically or manually.



Step -12

In this page you will be asked for a Hostname. Set any name of your own choice.

to the network. If you don't know what your If you are setting up your own home network,
Go Back Contigue

Step -13

In this step you have to enter a password for" **ROOT User** ". After entering Administrative account password click" Continue ".



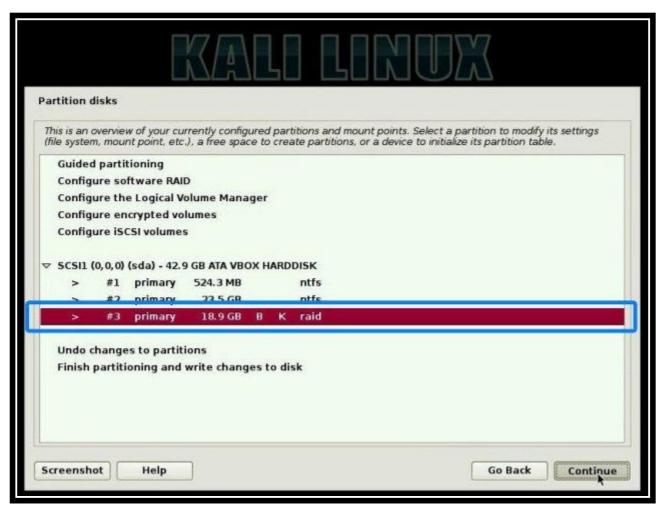
Step -14

Choose partitioning method in the next page as" Manual" and hit" Continue ".

Partition disks The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review a customise the results.	
prefer, you can do it manually. With guided partitioning you will still have a chance later to review a	1
If you choose guided partitioning for an entire disk, you will next be asked which disk should be use Partitioning method:	ind
Guided - use entire disk Guided - use entire disk and set up LVM Guided - use entire disk and set up encrypted LVM	
Manual	
Screenshot Go Back Cor	ntinue

Step -15

This step has to be done carefully. Only select the partition that we created for Kali installation and press" Continue".



Step -16

Then select the option" Delete the partition" and hit" Continue ".

					3	
Partition disks You are editing system. Partition settings:	partition #3 of So	CSI1 (0,0,0) (sda). This partition	is formatted wit	h the NTFS jo	urnaling file
Use as:	do not use					
Bootable flag:	on					
Resize the part Frase data on t	ition (currently 1 his partition	8.9 GB)				
Delete the part	ition					
vone secting u	o the partition					
Screenshot	Help			(Go Back	Continue

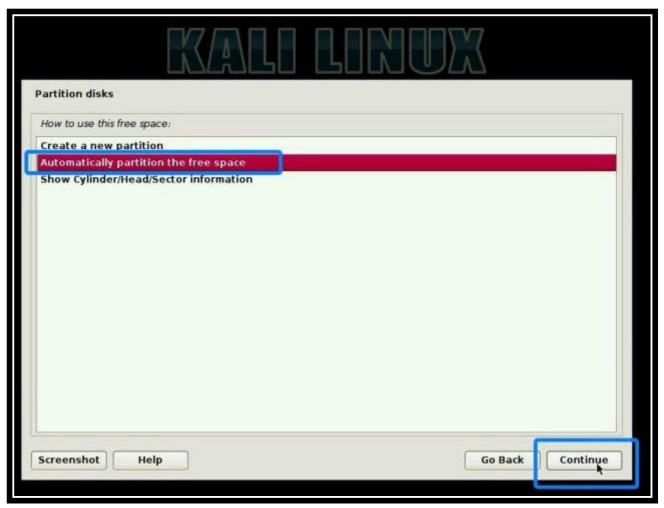
Step -17

Now you can see that space we allocated for Kali installation is now named as" *FREE SPACE*". Choose it and" Continue ".



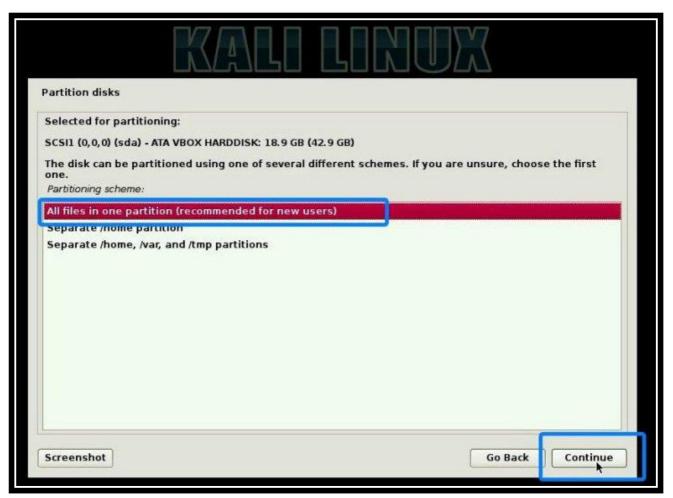
Step -18

In this step it will ask us where to do the partition. Choose the option" *Automatically partition the free space*" and" Continue" the process.



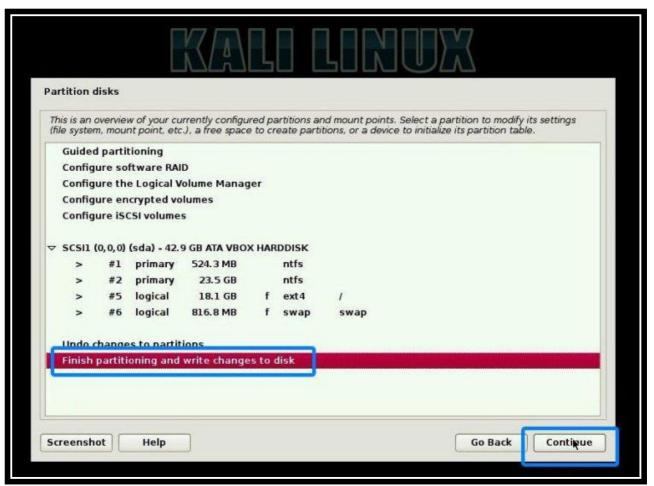
Step -19

In this step you will be asked the partition scheme just select **all files in one partition** and click "continue"



Step -20

Finally select the option" Finish Partitioning and Write Changes to Disk" and" Continue ".



Step -21

In this step it will ask permission to write changes in disk. Choose" *Yes*" and" Continue ". Kali is installing and this might take from 10 to 15 minutes to complete.



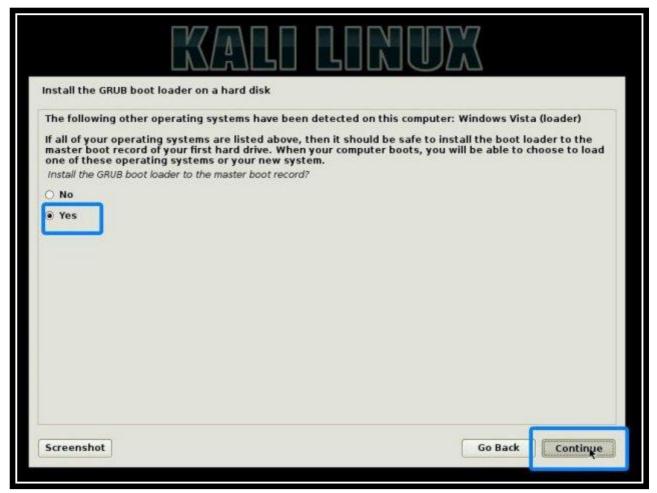
Step-22

In the middle of installation it will ask for network mirroring, choose" Yes" or "No ". We recommended you to choose" No ".

	KAL				
Configure the packa	ge manager				
A network mirror ca make newer version	n be used to supplement is of software available.	the software that	is included on the CC	-ROM. Th	is may also
Use a network mirror					
Screenshot			Go	Back	Continue

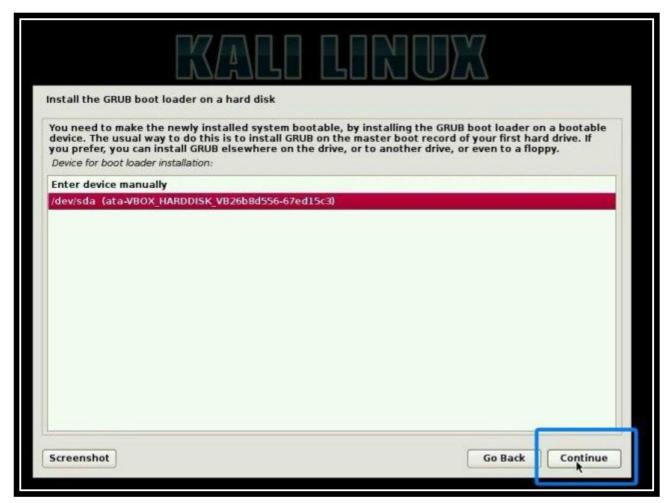
Step -23

In the next step, it will ask for installing GRUB boot loader, choose" Yes ".and" Continue ".



Step -24

Next in this page you have to select where to install boot loader. Choose your hard disk which is the second option.



Step -25

After successful completion of installation process, A page similar to the one seen below appears. Click" continue ".

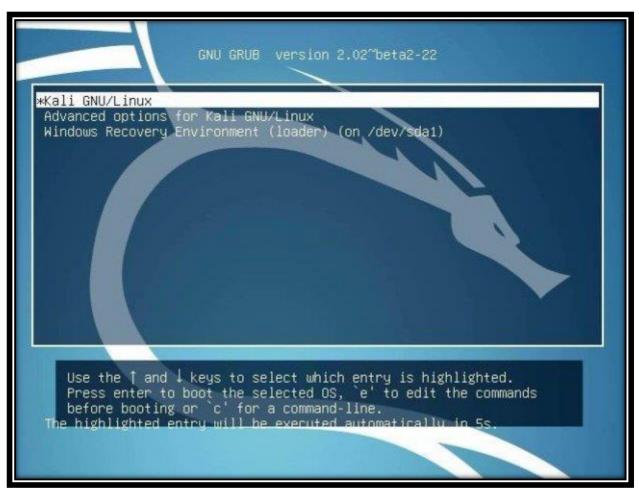


Step -26

You have completed all the necessary steps. Now just *Restart* your PC/Laptop and remove the USB drive.

During Start-up you can see the *GRUB Loader* of Kali Linux v2.0.

Here choose" *Kali GNU/Linux*" to boot your PC/Laptop with the new *Kali Linux* or else choose" *Windows Recovery Environment*" to start as *Windows 10*.



Congrats you successfully dual boot Kali Linux with Windows.