Introduction to KALI LINUX

# Kali Linux:

* Kali Linux is a Debian-based Linux distribution aimed at advanced Penetration Testing and Security Auditing.
* Kali Linux contains several hundred tools which are geared towards various information security tasks, such as Penetration Testing, Security research, Computer Forensics and Reverse Engineering.
* Kali Linux is developed, funded and maintained by Offensive Security, a leading information security training company.

# History:

* Kali Linux was released on the 13th March 2013 as a complete, top-to-bottom rebuild of BackTrack Linux, adhering completely to Debian development standards.

# Specifications:

* More than 600 penetration testing tools included.
* Free (as in beer) and always will be.
* Open source Git tree.
* FHS compliant.
* Wide-ranging wireless device support.
* Custom kernel, patched for injection.
* Developed in a secure environment.
* GPG signed packages and repositories.
* Multi-language support.
* Completely customizable.
* ARMEL and ARMHF support.

# Image:

The Kali Linux download page offers three different image types (Installer, NetInstaller and Live) for download, each available for both 32-bit and 64-bit architectures.

If in doubt, use the "Installer" image. You will need to check your system architecture to know whether to get 32-bit or 64-bit. If you don't know it, you're best to research how to find out (As a rule of thumb, if its older than 2005 you should be okay with amd64/x64/64-bit)

***Installer***

This is the recommended image to install Kali Linux. It contains a local copy of the (meta)packages listed (top10, default & large) so it can be used for complete offline installations without the need of a network connection.

This image cannot be used to boot a live system (such as directly running Kali from a USB). It is only an installer image.

***NetInstaller***

This image can be used if you want the latest package every time you install Kali Linux or the standard installer image is too big to download. This image is very small because it does not contain a local copy of (meta)packages to install. They will all be downloaded during installation, so as a result this requires a network connection which will slow down the installation time.

Only use this image if you have reasons not to use the standard installer image above.

This image cannot be used to boot a live system (such as directly running Kali from a USB). It is only an installer image.

***Live***

This image is for running Kali Linux without installing it first so it is perfect for running off a USB stick (or a CD/DVD).

You are able to install Kali Linux in its default configuration from this image but you will not be able to choose between desktop environments or to specify additional (meta)packages to install.