

Ethical Hacking



As the business of internet is growing in today's world many pros and cons related to it is also growing. Business such as online marketing, e-commerce etc. However as we know with the advancement of anything the darker side of that thing also grows, the side which is called as Hacking.

Hacking can be used as a illegal weapon to crack the codes of any website, transfer online money illegally, getting out confidential e-mails and other restricted stuffs as well. To stop such things [Ethical Hacking](#) is been incorporated in the computer systems. In layman Ethical Hacking means to Hack within the Limits, i.e. Hacking up to which there is no loss to anyone else.

This arouses the question 'What is Ethical Hacking'?

The concept of ethical hacking was developed to secure the business of any individual or organization. By business we mean it is being done to keep the confidentiality of the client and the organization intact. It could be related that in the world of cyber security, the process in which the person who really has the ability to discover the breaking points in a system and manages to exploit it to achieve the mission is known as hacking.

The History of hacking:



For origination of hacking we have to drill down the past. The first hacker was found way back in 1960s at the most premier technological campus Massachusetts Institute of Technology (MIT). During 1990s when the use of internet widespread

around the world, [hackers](#) multiplied.

Saying all about Ethical hacking, we first need to understand the difference between HACKING and ETHICAL HACKING:

Hacking any system or network without authorization of the owner is known as Hacking, he actually illegally does this.

Where as in [ethical hacking](#) all the activities are same just except that all these things are done with the permission of the owner. Ethical hackers are usually employed by the company people itself to perform Penetration Tests.

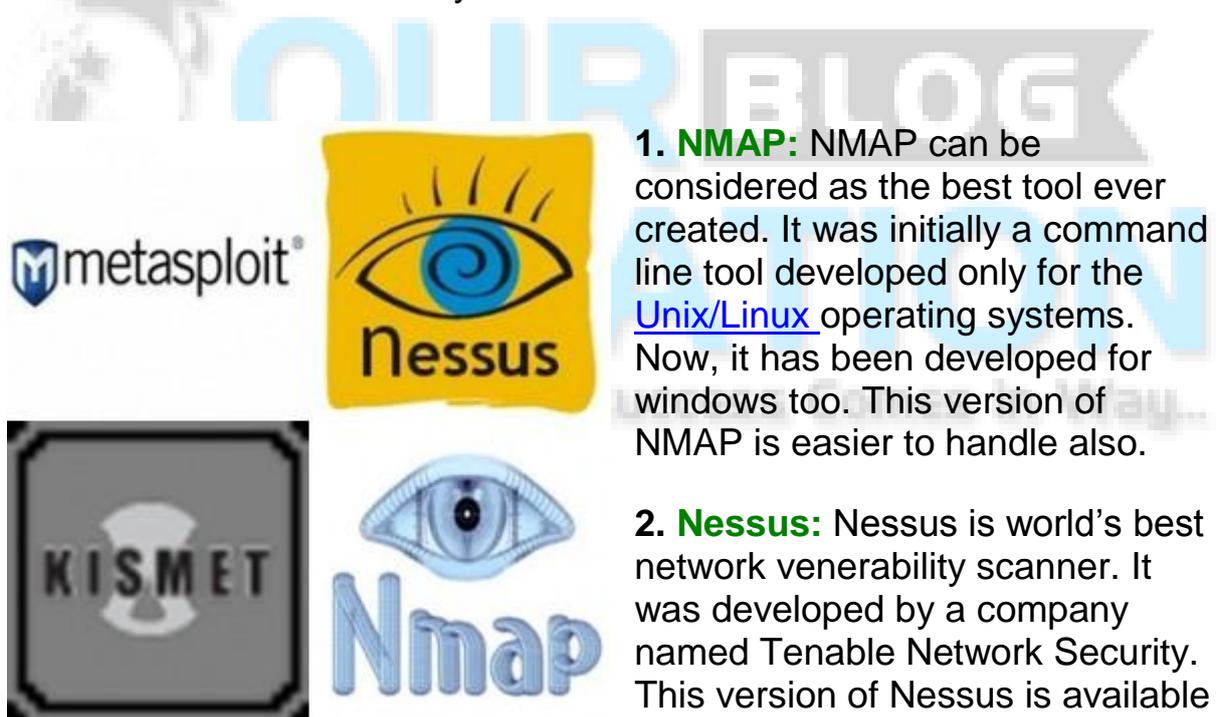
Now hacking can mainly be divided into two segments:



1. **White Hat Hacking:** This hacking is done for a good deed. In this type of hacking, skill is used for legal purposes and used to save the organizational data.
2. **Black Hat Hacking:** This is the dark side of hacking. This hacking is done illegally and maliciously. This hacking is self-centred and used for personal gain. White Hat Hacking is practiced for stopping the black hat hacking.
3. **Grey Hat Hacking:** This type of hacking includes both white hat hacking and black hat hacking. Grey hat hacking is employed on national.

Ethical Hacking Tools:

The following software tools will help a lot in learning ethical hacking. The software automatic tools have made it more easy for a person to understand the flaws in a system:



The image displays three logos for ethical hacking tools. On the left is the Metasploit logo, featuring a blue shield with a white 'M' and the word 'metasploit' in a sans-serif font. In the center is the Nessus logo, which consists of a yellow square containing a stylized blue eye with a spiral iris and the word 'Nessus' in black text below it. On the right is the Nmap logo, featuring a blue eye with a black pupil and the word 'Nmap' in a blue, rounded font below it.

1. **NMAP:** NMAP can be considered as the best tool ever created. It was initially a command line tool developed only for the [Unix/Linux](#) operating systems. Now, it has been developed for windows too. This version of NMAP is easier to handle also.

2. **Nessus:** Nessus is world's best network vulnerability scanner. It was developed by a company named Tenable Network Security. This version of Nessus is available on the net free of cost for home or

non-enterprise usage. The Nessus is a powerful tool and is used to check the critical bugs in the system. One of the [Ethical hacking tools](#).

3. **Nikto:** The above software is an open source free marketed tool. The software is known for its property of checking the outdated 1000 versions problems and about 270 problems of the latest version. The server is used in Web penetration testing.

4. **Kismet:** The latest and new problem in the market is related to wireless hacking. Thus the [organizations](#) are hiring testers or penetration testers to check with the problems.

5. **Metasploit:** metasploit is considered as the best ever tool to check the problems on exploit. It Contains a data base of exploits and is thus an easy to use and reliable software to do penetration testing. one of the best Ethical hacking tools.

This is a brief about ethical hacking. To know more please visit us at [click here](#).

