

ETHICAL HACKING

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Abstract- In the Reserach paper it describes about the ethical hackers skills, and the way they help to the customers for identifying the security hole .Multinational companies are worried about the ethical hacker from hacking the personal information.

Keyword-Hacking,ethical hacking

INTRODUCTION-

The term “ethical hacker” refers to a person who enter into someone system or network in order to identify the loop hole in the security .The term “hacker” is used to someone or that person who enjoy, do for fun , for profit motive etc.

Nowadays ,who are working on the computer or familiar with the computer must know about the term “cyber crime”. When we are inventing the computer and the technology for communicate between the two or more computers was evolved, they would never thought that they where creating a cyber space or a way by which people are done crime

The hackers main aim is to disrupt a system or network. Whether the hacker is white hat hacker or black hat hacker his/her first priority is to get access to the computer system or the target

1. What is ethical hacking ?

Ethical hacking is the process or a way by which we can find the Vulnerabilites and the loop holes in the system or in the network by using these vulnerabilities and this loop holes the hacker gets the unauthorized access into the system for the profit motive or for fun and damage the store data in the system.

With the rapid growth of the internet it is become essential for the multinational companies to get the computer security. Computer hacking is the practice of creating and the implementing the malicious activity into the program the person who is busy or doing this activity is called hacker.Hacker is the person who is master in programming and there skills, but a hacker is more dangerous and the objective just to demonstrate their skills,like stealing someone personal information

2. Who is Hacker

A person who is using computer or any device like computer to get the unauthorized access to data. A hacker is an indivial person who use the computer or any other technical skills to solve the problem.

A person who is using his abilities to get the unauthorized access to the system or the

private networks in order to do crimes and other malicious activity. Hacker is not only a individual but it also be a team or a group of persons also.

Hacker is a expert programmer who finds the weakness and the exploit in the computer system or in the network to gains the system access. Hackers are the person who generally have the information and knowledge of the computer security and the cyber security.

3.Types of hacking

Hacking is develop for braking or cracking the code or security. There are three section or types of hacking that are web hacking, exploit writing and Reverse Engineering this three types of hacking are requires different programming languages.

Web Hacking

Website hacking means carring unauthorized access to the website or the web application. It is very important to learn web hacking to be a good hacker. If a hacker is interested in hacking a web page or web application then a hacker must expert in web coding. Most of the website are based on Http, PHP and JavaScript so it is very important for hacker to expert in this three languages

HTML:

Since html is very basic language for designing the website, it is one of the easiest and widely used for making a website. For hacking it is suggested that it helps to understand the web actions and logics.

JavaScript :

JavaScript is a scripting language. It is a client-side programming. It is basically use for better and good interface JavaScript is used for understanding the client-side mechanism. JavaScript is an language widely used to interactive effects.

SQL:

SQL stands for Structured Query Language. It used to store

and maintain the data such as banks and personal information of the website visitors.

The purpose of this paper is to analyze the use of the ethical hacking approach and to improve the security of the information security system. This method is more effective and better when it is use for improving the security.

Along with the positive sides capabilities provided by the internet and the networking there are some negative sides of the internet and networking this my results that such as DOS attack, virus. There are my various illegal activities and crimes exists for many years,

Advantages of Ethical Hacking

Most of the important advantages of ethical hacking are

Protect from the theft- ethical hacking is also used to protect from the online attacks like stealing the information

Protect form the hackers- it prevents from the hacker to gaining access and from stealing the information.

It increases the knowledge-ultimately it is the better learning way for the persons for talking knowledge of security.

It help us to understand the importance of the security- it helps to the many the people who are unaware about the security concern.

Disadvantages of the Ethical hacking

There are some disadvantages of ethical hacking that are-

System failure or error –

Security about the data privacy-

Expensive-

Malicious activities

Classification of Hackers

The hacker can be classified as white, black and grey which is discussed below:-

White hat hackers:-the white hat hackers are the person who are authorized person by the company this hackers are appointed for the betterment of the companies. It is used to check the security of the company.

Grey hat hackers:-the grey hat hackers are all the properties of black and white hat hackers. they sometimes find the loopholes in the company's security for which it takes the money form the company.

Black hat hackers:- this hacker are work for own profit motive. They find many company and organizations and hack the information and also steals the money.



Stages of the Hacking

There are five stages of the hacking that are:-

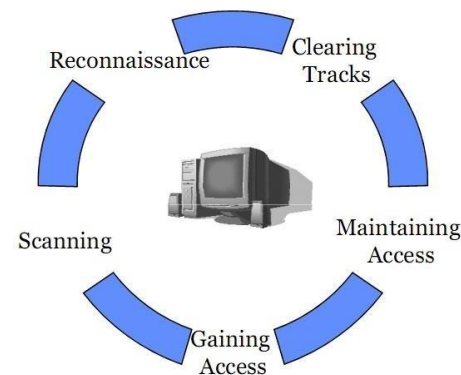
Reconnaissance

Clearing Tracks

Maintaining Access

Gaining Access

Scanning



Conclusion

As individual, company and the many more society becomes more adept of using the computer technology, as the times goes rapidly the possibility of crimes continues to grow. To avoid this and to prevent from this educating is the best way, educating student

though the practical and provide knowledge of ethical hacking it can provide them the skills necessary to develop security systems to stop or avoid hacked. Technical experts is important to implement the details of a security operation for providing the security.