

# HACK-X-CRYPT

A straight forward guide towards Ethical Hacking  
And Cyber Security

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**By: - UJJWAL SAHAY**  
{ETHICAL HACKER}

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SAHAY IS HOWEVER, MORE WELL KNOWN FOR HIS SIGNIFICANT WORK IN THE FIELD OF ETHICAL HACKING AND CYBER SECURITY.

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# PREFACE

Computer hacking is the practice of altering computer hardware and software to carry out a goal outside of the creator's original intention. People who slot in computer hacking actions and activities are often entitled as **hackers**. The majority of people assume that hackers are computer criminals. They fall short to identify the fact that criminals and hackers are two entirely unrelated things. Hackers in realism are good and extremely intelligent people, who by using their knowledge in a constructive mode help organizations, companies, government, etc. to secure credentials and secret information on the Internet. Years ago, no one had to worry about Crackers breaking into their computer and installing Trojan viruses, or using your computer to send attacks against others. Now that thing have changed, it's best to be aware of how to defend your computer from damaging intrusions and prevent black hat hackers. So, in this Book you will uncover the finest ways to defend your computer systems from the hackers This Book is written by keeping one object in mind that a beginner, who is not much familiar regarding computer hacking, can easily, attempts these hacks and recognize what we are trying to demonstrate. After Reading this book you will come to recognize that how Hacking is affecting our everyday routine work and can be very hazardous in many fields like bank account hacking etc. Moreover, after carrying out this volume in detail you will be capable of understanding that how a hacker hacks and how you can defend yourself from these threats.

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# In The Loving Memory of my DAD

*Your hands so warm*

*Your voice so clear*

*I still remember your laughter*

*Like yesterday had never gone*

*I miss your words of encouragement*

*Words that kept me hanging on*

*Now you are gone*

*The tears keep flowing*

*Only hoping*

*That one day the pain will fade*

*Dad why did you have to go away*

*We love you and miss you*

*I know I will again see you someday*

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**UJJWAL SAHAY**

## Some Assumptions

I make a few assumptions about you:-

- You're familiar with basic computer-, networking- related concepts and terms.
- You have a basic understanding of what hackers and malicious users do.
- You have access to a computer and a network on which to use these techniques.
- You have access to the Internet to obtain the various tools used in the ethical hacking process.
- You have permission to perform the hacking techniques described in this book.



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# INTRODUCTION TO HACKERS



Hello friends, here this is Ujjwal Sahay and now I am going to start the first topic of my book HACK-X-CRYPT with the very basic introduction to hackers and their communities. Here basically we are going to discuss about some basic facts like who the hackers are, what are their intentions, types of hackers and their communities etc.

## Communities of Hackers:-

- HACKERS
- CRACKERS
- PHREAKS
- SCRIPT KIDDIES

HACKERS are the *Intelligent Computer Experts*.

## INTENSION OF HACKERS:

- To gain in-depth knowledge of any computer system, what is happening at the backend of any specific program of the system behind the screen of the computer system?
- Their motive is to find possible security risk and vulnerabilities in a computer system or network.
- They create security awareness among the people by sharing knowledge and proper security preventions that should be taken by the user.

## ➤ Types of Hackers:

•**White Hat Hackers** –“White hats” is the name used for security experts. While they often use the same tools and techniques as the black hats, they do so in order to foil the bad guys. That is, they use those tools for ethical hacking and computer forensics. **Ethical hacking** is the process of using security tools to test and improve security (rather than to break it!). **Computer forensics** is the process of collecting evidence needed to identify and convict computer criminals.

•**Black Hat Hackers** –They use their knowledge and skill set for illegal activities and destructive intents. Obviously, the “black hats” are the bad guys. These are the people who create and send viruses and worms, break into computer systems, steal data, shut down networks,

and basically commit electronic crimes. We talk about black hats at several points in this book. Black hat hackers and malware writers are not considered as the same thing in the security community—even though they are both breaking the law.

•**Grey Hat Hackers** -They use their knowledge and skill set for the legal and illegal purpose. They are white hats in public but internally they do some black hat work. Gray hats sit in the middle of the fence because sometimes they cross that ethical line (or more often, define it differently). For example, gray hats will break into a company's computer system just to wander around and see what's there. They think that simply because they don't damage any data, they're not committing a crime. Then they go and apply for jobs as security consultants for large corporations. They justify their earlier break-in's as some sort of computer security training. Many really believe that they're providing a public service by letting companies know that their computers are at risk.

**CRACKERS** are those who break into the applications with some malicious intentions either for their personal gain or their greedy achievements.

### **Intension of crackers:-**

- Their motive is to get unauthorized access into a system and cause damage or destroy or reveal confidential information.
- To compromise the system to deny services to legitimate users for troubling, harassing them or for taking revenge.
- It can cause financial losses & image/reputation damages, defamation in the society for individuals or organizations.

**PHREAKS** are those people who use computer devices and software programs and their tricky and sharp mind to break into the phone networks.

### **Intention of phreaks:-**

- To find loopholes in security in phone network and to make phone calls and access internet at free of cost!!!
- You may get a spoofed call or a big amount of bill.
- You can also get a call with your own number.

**SCRIPT KIDDIES:-** These are computer novices who take advantage of the hacker tools, vulnerability scanners, and documentation available free on the Internet but who don't have any real knowledge of what's really going on behind the scenes. They know just enough to cause you headaches but typically are very sloppy in their actions, leaving all sorts of digital fingerprints behind. Even though these guys are the stereotypical hackers that you hear about in the news media, they often need only minimal skills to carry out their attacks.

### **Intention of script kiddies:-**

- They use the available information about known vulnerabilities to break into the network systems.
- It's an act performed for a fun or out of curiosity.

## Black Hat Hackers Strategy:-

- Information Gathering & Scanning
- Getting Access on the website
- Maintain the access
- Clear the Tracks

**Conclusion:** - *Security is important because prevention is better than cure.*

## HACKERS WANT YOUR PC

You might be thinking that hackers don't care about your computer, but they do. Hackers want access to your system for many different reasons. Remember, once a hacker breaks in and plants a Trojan, the door is open for *anyone* to return. The hackers know this and are making money off from it. They know it's easy to hide and very difficult to track them back once they own your PC.

Overall, the Internet is an easy place to hide. Compromised computers around the world have helped to make hiding simple. It is easy to find the last **IP address** from where an attack was launched, but hackers hop from many unsecured systems to hide their location before they launch attacks.

**IP address** is a unique address that identifies where a computer is connected to the Internet. Every computer, even yours if you're using broadband access, has an Internet protocol (IP) address.

Over the past four years, most cyber-attacks have been launched from computers within the INDIA. However, this doesn't mean that systems in the INDIA are the original source of the attack. A hacker in Pakistan could actually use your computer to launch a denial of service (DOS) attack. To the entire world, it might even look as if you started the attack because the hacker has hidden his tracks so that only the last "hop" can be traced.



## CREATION OF VIRUS IN NOTEPAD



Now, it's time to administrate your computer by creating some viruses in the form of batch file. You can create various types of viruses with having distinct functionality. Each and every virus will affect the victim's computer system by the way you have coded its programming in the batch file. You can create viruses which can freeze the victims computer or it can also crash it.

### Virus creation codes of the batch file:--

--Codes to be written in the notepad--

--Extension of the files should be ".bat" --

### **1.) To create a huge amount of folders on victim's**

**desktop screen:-** First of all your task is to copy the following codes in the notepad of your computer.

For opening the notepad:-

- Go to run option of your computer by pressing "**window+R**".

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