



# HACKING

*Shaikh Nadeem , Hasnat khan*  
SSBES' S Institute of technology & Management



## What is Hacking?

Hacking is a thing in which is a person can unauthorized access any information. The process of attempting to gain and successfully gaining unauthorized access to computer resource is called as hacking.

### WHO IS HACKER?

- the computer security context, a hacker is a someone Who seeks and exploits weakness in a computer system or computer network.
- The term hacker is reclaimed by computer programmers Who argue that someone breaking into computers is better called as

Cracker.



## History of Hacking

- Hacking has been a part of computing for 40 years
- The first computer hacker emerged at MIT.
- Hacking is began in the 1960s at MIT ,origin of the terms of "HACKERS".
- The truth hackers amongst our societies have thirst for the knowledge.
- Boredom is never an object of challenge for the hacker

## Stages in Hacking

- Collecting information
- Scanning
- Gaining Access
- Maintaining Access
- Covering Track



## Types of Hackers



### WHITE HAT HACKER

White-hat hackers are the opposite of the black-hat hackers. They're the "ethical hackers," experts in compromising computer security systems who use their abilities for good, ethical, and legal purposes rather than bad, unethical, and criminal purposes.

**For ex:-**A white-hat hacker who finds a security vulnerability would disclose it to the developer, allowing them to patch their product and improve its security before it's compromised. Various organizations pay "bounties" or award prizes for revealing such discovered vulnerabilities, compensating white-hats for their work.



### GREY HAT HACKER

Very few things in life are clear black-and white categories. In reality, there's often a gray area. A gray-hat hacker falls somewhere between a black hat and a white hat. A gray hat doesn't work for their own personal gain or to cause carnage, but they may technically commit crimes and do arguably unethical things.



### BLACK HAT HACKER

Black-hat hackers, or simply "black hats," are the type of hacker the popular media seems to focus on. Black-hat hackers violate computer security for personal gain (such as stealing credit card numbers or harvesting personal data for sale to identity thieves) or for pure maliciousness (such as creating a botnet and using that botnet to perform DDOS attacks against websites they don't like.)

## Famous Hackers

### JONATHAN JAMES

After the Army and the Pentagon, any hacker worthy of the name dreams about getting into NASA's servers, the protection of which is renowned. It was in 1999 that a young hacker with the nickname of c0mrade, better known as Jonathan James, accomplished this exploit at the age of 16. On June 29 and 30, 1999, this young hacker made a mess of NASA using a simple Pentium computer. He gained access by breaking the password of a server belonging to the government agency located in Alabama. He was able to freely roam the network, and stole several files, including the source code of the International Space Station.

### KEVIN PAULSON

Kevin L. Paulsen was most famous for manipulating the phone lines of Los Angeles radio station 102.5 KJIS-FM in the early 1990s to win Porsche for his friends and himself. Paulsen also distinguished himself for being the first hacker ever charged with espionage due to his discovery of federal phone taps of several consulates in the Los Angeles area including those of China, Israel, and South Africa. He received even more unwanted attention when Unsolved Mysteries aired a piece about him and had their phone tip center disconnected on the day of its airing. In 1995, Paulsen was released from prison after more than 5 years in jail after being arrested in 1991, and then in 1993, charged by the federal government for computer fraud, wiretapping, money laundering, and obstruction of justice. Today, however, he works for SecurityFocus as their editorial director and you can check out his site kevinpaulsen.com which hasn't been updated since February 2000. You might also want to check out Jonathan Littman's book The Watchman: The Twisted Life and Crimes of Serial Hacker Keven Paulsen.

IS IT SAFE?

DEPENDS ON YOU!



## Hacking Attacks

- SOCIAL ENGINEERING ATTACK
- SNIFFING ATTACK
- PHISHING