

Ethical Hacking

ch:1 Introduction: Use, scope & laws of Ethical Hacking.

- 1: What is Ethical Hacking
- 2: Types of Hackers
- 3: Types of Attack on a system
- 4: ~~scope~~ scope is Ethical Hacking
- 5: cyber bus you should aware.

1: What is Ethical Hacking?

Penetration Testing & cyber security
legally breaking into systems & servers.
Securing the organization
defeating bad Hacker.

Ethical means legally
Hacker means who find vulnerabilities in our system & protect our system.

2 Types of Hacker

(I) white hat hacker (II) Gray hat hacker (III) Black hat hacker.

(I) White hat hacker will test our system legally and rules by taking permission of owner. It means it works legally for vulnerabilities, secure our system etc.

(II) Gray hat hacker can do everything by their knowledge. They can do legally and illegal work. It can crack our system, sell our data, etc.

(111) Black hat hacker is known as bad hacker. They do everything for money and works illegally.

(3) Types of Attack on a system

(1) Operating system Attacks: These attack can access by our by default settings and our system version. Example: If we use older version of system without update then is a higher chance it will hack.

1) Misconfiguration Attack: These attack can access by default settings, routers etc. Example: If we didn't change password of router and leave that on by default then is a high chance it will hack. (including OS, phones, system)

2) Application level attack: We use many kind of web & apps. If there is some issue it will hack.

Shrink wrap code attacks: That system & Application & vulnerabilities patches are not released it will hack.

Scope in Ethical Hacking:

(India) The average salary = ₹ 502789 per year.
Cybercrime up 600%. Due to Covid-19 pandemic

Cyber Laws.

- A • The patents (Amendment) Act, 1999.
- Trade Markes Act, 1999. www.ipindia.nic
- The copyright Act, 1957 www.mcit.gov
- Information Technology ACT