

Ethics in IT



Class VIII
lab 3



Ethical Hacker

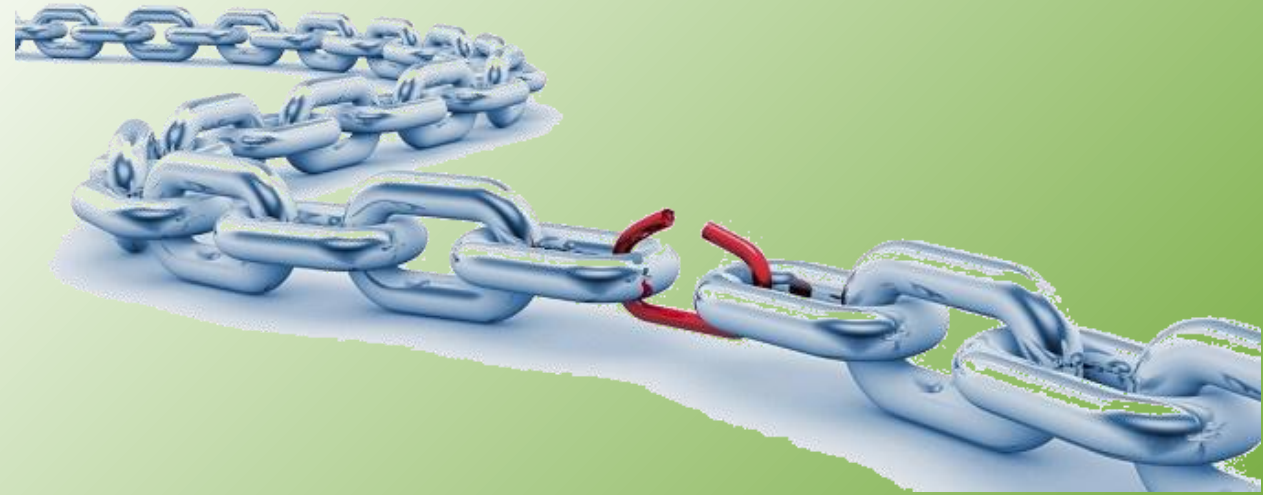
Hacker who
protects hacker





Purpose of Ethical Hacking

evaluate the
security and identify
vulnerabilities in systems





Comparison of Hackers

White, gray and black hat comparison



WHITE HAT

Considered the good guys because they follow the rules when it comes to hacking into systems without permission and obeying responsible disclosure laws



GRAY HAT

May have good intentions, but might not disclose flaws for immediate fixes

Prioritize their own perception of right versus wrong over what the law might say



BLACK HAT

Considered cybercriminals; they don't lose sleep over whether or not something is illegal or wrong

Exploit security flaws for personal or political gain—or for fun



Ethical Hacking Techniques

Scanning ports to find vulnerabilities. Ethical hackers use port scanning tools, such as Nmap, **Nessus** or **Wireshark**, to scan a company's systems, identify open ports, study the vulnerabilities of each port and take remedial action



Become an Ethical Hacker

There are no standard education criteria for an ethical hacker, so an organization can set its own requirements for that position.





Certified Ethical Hacker

CEH takes exam to ensure a ethical hackers quality and skills.
This certification covers more than 270 attacks technologies.





**Thank
you!**

