


Hacking Concepts



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Hacking is exploiting security controls
either in a technical, physical or a human-
based element

— **Kevin Mitnick**



Who? What? Where?



What is hacking?

What's an Ethical Hacker?

Types of hackers?

Why do they hack?

How does hacking influence companies?

Hacking Defined:

Exploiting a Systems Vulnerabilities and Security Controls to Gain Access to System Resources and Features, Outside the Creator's Original Purpose.

History of Hacking

In the beginning...

- 1970's
- 1980's
- 1990's
- 2000's



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Currently...

- DoS
- Stock Manipulation
- ID Theft / Credit Card Theft
- Piracy
- Theft of Services
- Vandalism

Ethical Hacking Defined:

Involves the Use of Hacking Methods
and Tools to Discover Weaknesses for
System Security

What Skills Should an Ethical Hacker Have?



Expert with
Programs and
Networks



Proficient with
Vulnerability
Research

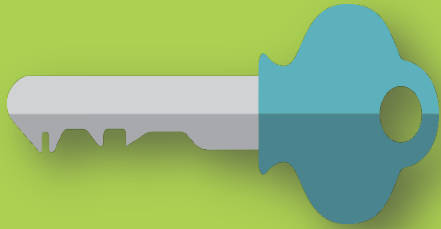


Mastery with
Diverse Hacking
Techniques

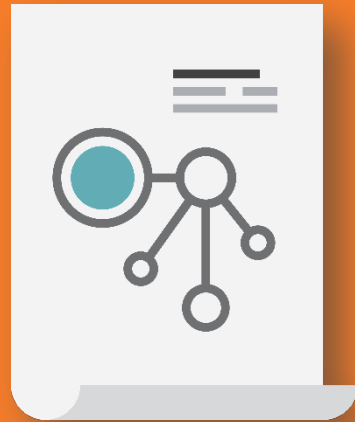


Follow a Strict Code
of Conduct

What Skills Should an Ethical Hacker Have?



Explicit Permissions
in Writing



Use the Same
Tactics & Strategies



"No means NO!"



Report All of Your
Results

Types of Pen Tests

Black Box

Gray Box

White Box

Why a Hacker Hacks



Hobby



Illegal Activities



Malicious Intent



Gain Knowledge

Types of Hackers

Black Hats

White Hats

Gray Hats

Suicide Hackers

Script Kiddies

Spy Hackers / Cyber
Terrorists / State
Sponsored Hackers

Hacktivism



Drive

Political / Social / Ideology / Vandalism /
Protest / Humiliate

Political Agenda

Defacing or Disabling Websites

Targets

Government Agencies
Multinational Corps
“Wrong”

How Does Hacking Influence Companies?



- Customer private information
- Intellectual property
- Down time / slow site
- Loss of revenues
- Financial information
- Reputation
- Loss of business

Summary



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- ❑ What's an Ethical Hacker?
- ❑ Types of hackers?
- ❑ Why do they hack?
- ❑ How does hacking influence companies?