


# 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



# History of Hacking

## In the beginning...

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- 1980's
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- 2000's

## 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



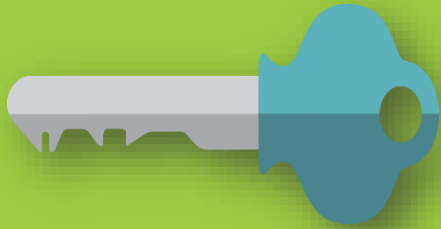
Mastery with  
Diverse Hacking  
Techniques



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?