

# CYBERSECURITY RISK MANAGEMENT



**How Hackers Hack!!!**

# Types of Hackers

- Young kids "having fun." These are adolescents who are essentially vandals on the Internet and are also known as Script Kiddies. They're not looking for more than a few hours of their fun messing with websites or networks.
- Recreational "hackers." These are savvy computer users who intrude on networks when they feel they have a valid reason to...in their minds at least. They may have a grudge against a certain website or company and take their dislike out by "hacking" or disrupting the website.
- Professionals. When a computer expert gets a taste of hacking and likes the flavor, he or she will continue to use their skill, often for breaking into people's accounts to steal money. They also might like taking down a big network for "fun."

# What do they want?

- Ransom your Data
- Protected Health Information (PHI)
- Personally Identifiable Information (PII)
- Steal secrets
- Obtain passwords
- Get credit card information
- Create so much traffic that a website has to shut down.

# What do they want? - Terms

## **Stealing passwords and getting in the system.**

Finding out a password is the usually the first step in cracking a network's security. (That's why there are so many articles telling you to change your passwords often and make them hard to figure out!)

**Back door.** A secret pathway a hacker uses to gain entry to a computer system.

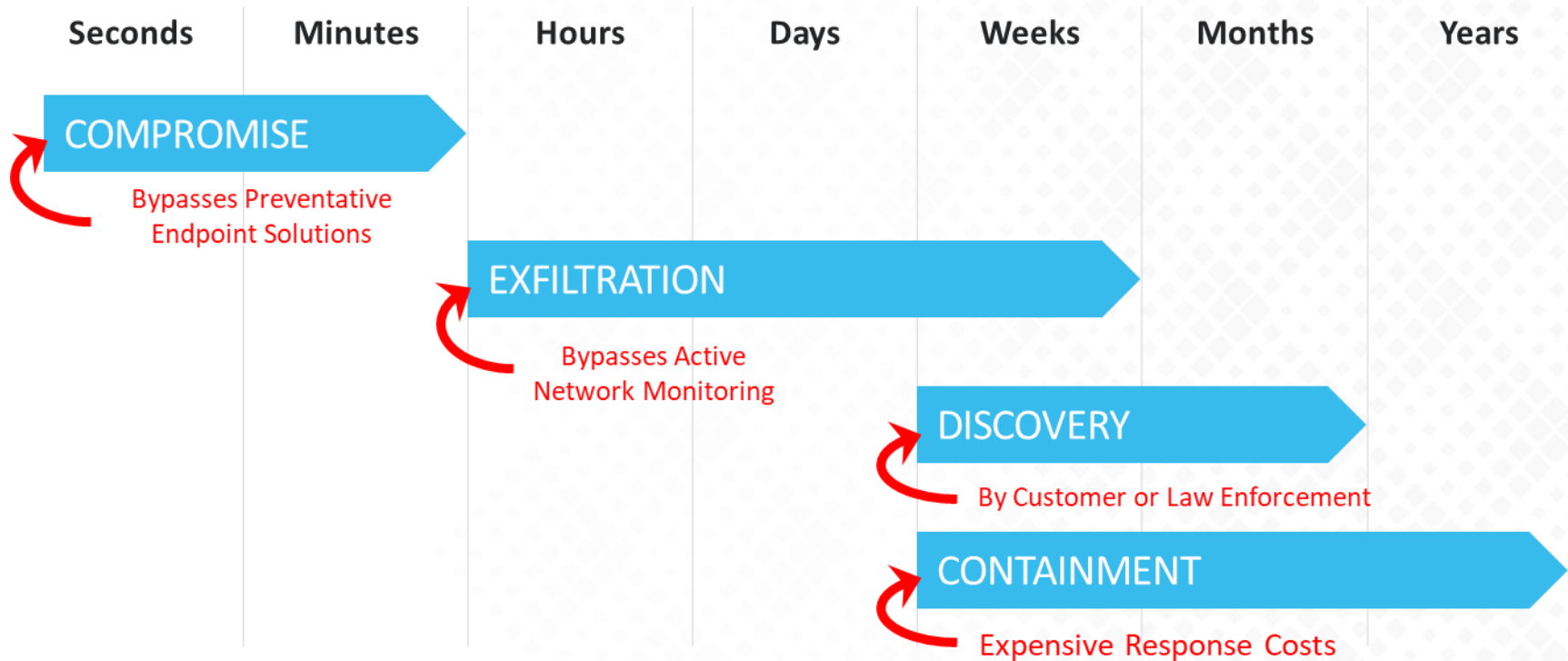
**Buffer overflow.** A method of attack where the hacker delivers malicious commands to a system by overrunning an application buffer.

**Denial-of-service attack.** An attack designed to cripple the victim's system by preventing it from handling its normal traffic, usually by flooding it with false traffic.

**Root access.** The highest level of access (and most desired by serious hackers) to a computer system, which can give them complete control over the system.

**Trojan horse.** A seemingly helpful program that tricks the computer user into opening it, only to deliver (unnoticed and behind the scenes) an unexpected attack on the user's computer.

# Hacking Timeline



# Hacking



**INTERNET TOUGH GUY**

# Hacking



# Hacking - Process

## ABOUT US

Press Room

As Seen In

Careers

Contact Us

## HELP

Parts Finder

FAQ's

Shipping & Returns

Warranty

Track Order

Safety Alerts

Submit An Idea

## WHERE TO BUY

Company Store

Become a Retailer

Become an Affiliate

## LEGAL

Privacy Policy

Terms of Use

SB657 Compliance

\*Contiguous U.S. only with Standard Shipping Rates.



# Hacking - Process



Returning Candidate? [Log back in!](#)

## Graphic Designer – Playmate & Partnerships

US-CA-Costa Mesa

ID 2020-1170

Category Marketing

Type Regular Full-Time

### Overview

#### Job Summary Statement:

The Graphic Designer will be responsible for the design of digital assets as directed by Art Director. Graphic Designer will focus on executing high volume production tasks. The ideal candidate will have an expert command of graphic design software, ability to deliver in a fast-paced environment, and have an understanding of ecommerce and the impact of graphic assets in converting sales. The Graphic Designer will be based in Irvine, CA and report into the Sr Graphic Designer.

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# Hacking - Process

## Graphic Designer – Playmate & Partnerships

US-CA-Costa Mesa



Candidate Profile

### Candidate Profile

Please be sure to fill out all required fields

\* indicates a required field.

Connect your account



### Resume

- Provide your resume below to pre-fill your profile. Existing data in the form will be replaced:

Please upload your resume (Max size: 5 MB)



# Hacking – Live!

# Google Search

www.hackerone.com › blog › 100-hacking-tools-and-r... ▼

## [100 Hacking Tools and Resources | HackerOne](#)

May 29, 2020 - Burp Suite: The quintessential web app **hacking tool**. Once you hit 500 reputation on HackerOne, you are eligible for a free 3-month license of ...

www.guru99.com › learn-everything-about-ethical-hac... ▼ traffic (us): 290/mo - keywords: 199

## [Top 20 Ethical Hacking Tools in 2020 - Guru99](#)

6 days ago - **Hacking Tools** are computer programs and scripts that help you find and exploit weaknesses in computer systems, web applications, servers and networks. There are a variety of such **hack tools** available in the market. Some of them are open source while others are commercial solution.

? What are Hacking Tools? ▼

Is it Legal to use Hacking Tools? ▼

www.concise-courses.com › hacking-tools › top-ten ▼ traffic (us): 2100/mo - keywords: 371

## [Best Hacker Tools of 2020! – Hacking Tools | Growth Hackers](#)

**Hack Tools** Listed On This Page: Sn1per; John The Ripper; THC Hydra; Cain & Abel; Metasploit. Maltego; OWASP ZED; Wireshark ...

[Password Hacking Tools](#) · [Wireless Hacking Tools](#) · [Web Browser Hacking Tools](#)

www.darknet.org.uk › category › hacking-tools ▼ traffic (us): 220/mo - keywords: 133

## [Hacking Tools - Best of 2020 - Darknet](#)

**Hacking Tools** are pieces of software or programs created to help you with hacking or that users can utilise for hacking purposes. Examples include WepOff ...

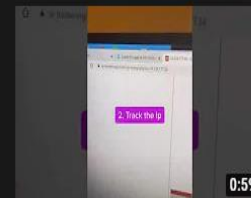
[Cameradar - Hack RTSP ...](#) · [Judas DNS – Nameserver ...](#) · [Cain And Abel Download](#)



### DDoS Attack Explained

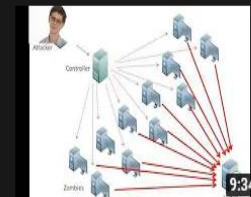
PowerCert Animated Videos • 484K views • 2 years ago

A VPN protects against a DDoS attack. Get the VPN that I personally use. <https://nordvpn.com/powercert> (affiliate) 70% off a ...



### How to DDoS someone

Matthew Cassio • 22K views • 4 months ago



### How a DDoS Attack works and How to stop it

AccordRacer • 272K views • 5 years ago

How a DDoS Attack works and How to stop it #LizardSquad #psndown #XboxLiveDown Twitter - <https://twitter.com/accordracer>.



### How To Detect A DDoS Attack On Your Network! - Wireshark Tutorial

Huncho • 100K views • 3 years ago

OPEN Tutorial on how to use the well-known network analysing tool Wireshark to detect a Denial of Service attack, or any ...



### How To Perform DOS Attack | Crash Any Website | Full Practical #hacking

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# 5 Layers of Defense

- **1<sup>st</sup> Layer of Defense**
  - Spam Filtering w/AV
  - Antivirus
  - Security Awareness Training, Dark Web Scan, Phishing
  - Identity Management - 2FA
  - Onsite Backup
- **2<sup>nd</sup> Layer of Defense –BAMP**
  - Backup (Ransomware Proof)
  - Antivirus (Artificial Intelligence AV Driven Tool)
  - Monitoring
  - Patch Management
- **3<sup>rd</sup> Layer of Defense –SIEM**
  - Security Information Event Management (SIEM) and/or Threat Detector
  - Managed FW with IDS/IPS and Web Filtering
- **4<sup>th</sup> Layer of Defense – Test and Assess**
  - Yearly Security Risk Assessment w/ PEN Test
- **5<sup>th</sup> Layer of Defense**
  - Business Continuity and Disaster Recovery Solution

Questions?

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It has been our pleasure presenting this today.

Thank You.



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