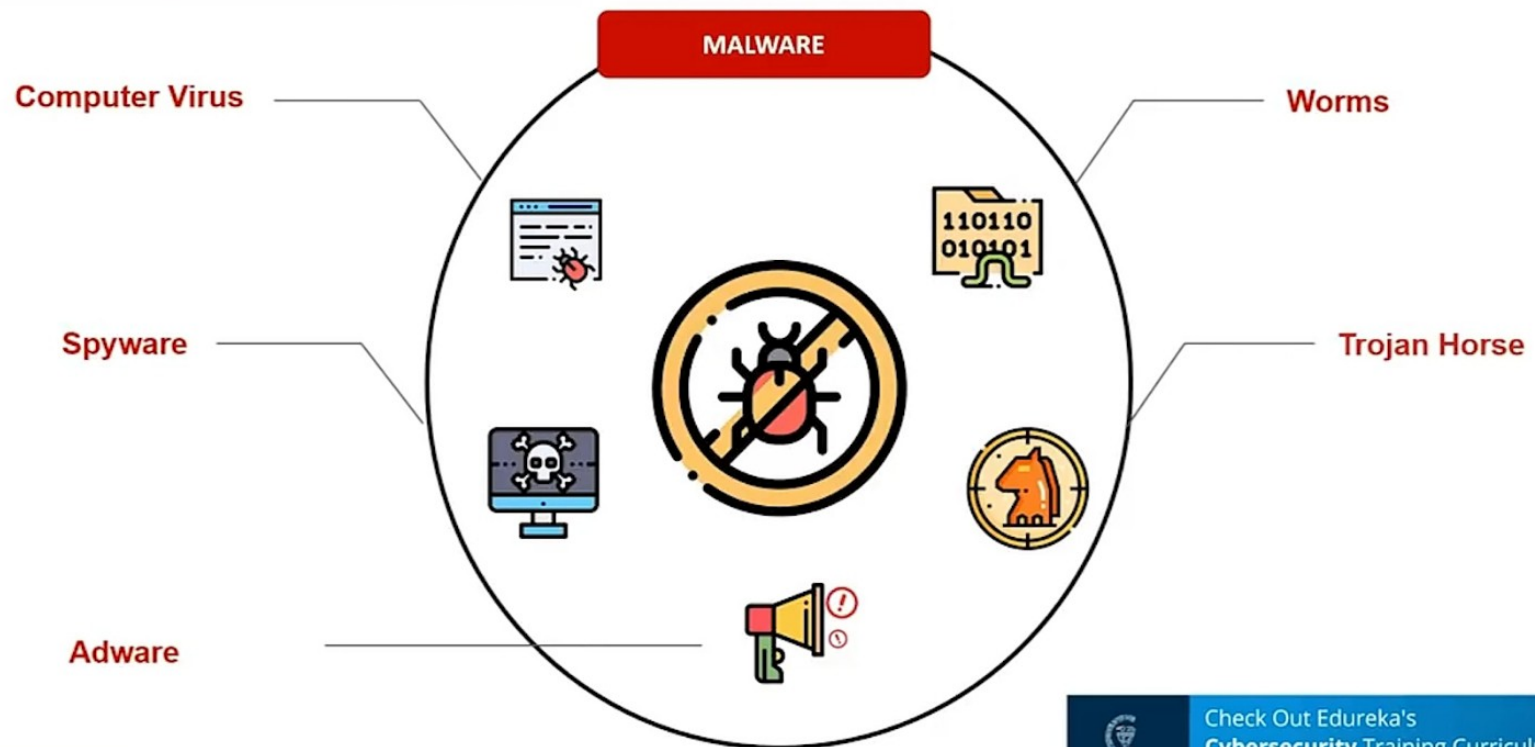


Types of Cyberattacks



Malware



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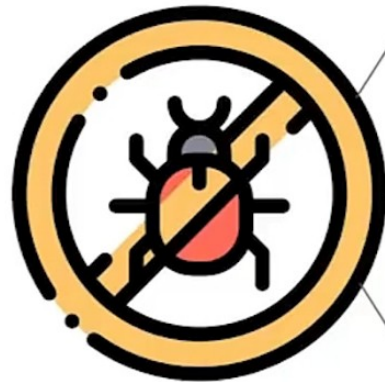
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How Malware



Email Attachments



Software Downloads



OS Vulnerabilities



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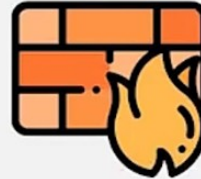
Stop Malware

Suspicious Links



- Stop clicking suspicious links
- Always study the URL consciously and make sure you are not on a counterfeit site

Updated Firewall



- Updating your firewall constantly is a great idea
- Firewalls prevent the transfer of large data files over the network in a hope to weed out attachments that may contain malware.

Updated OS



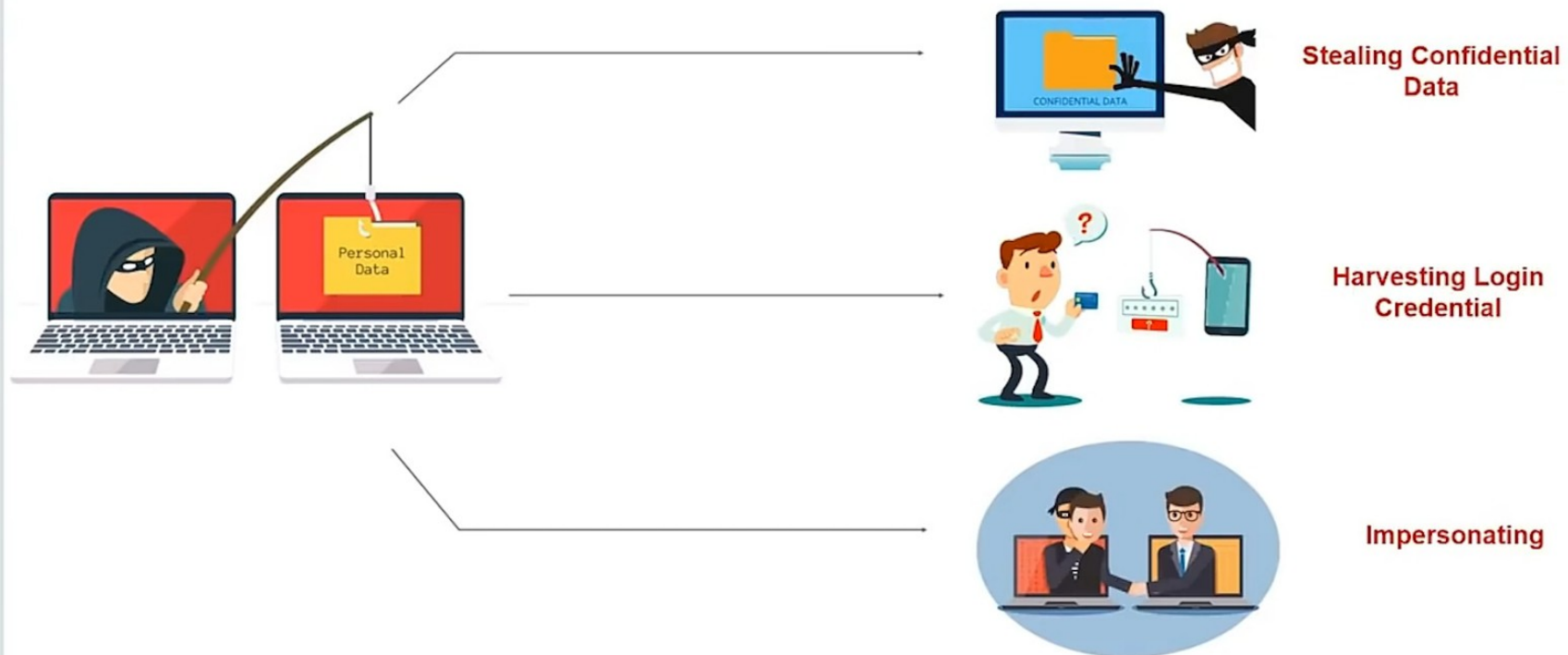
- It's also important to make sure your computer's operating system (e.g. Windows, Mac OS X, Linux) uses the most up-to-date security updates
- Software programmers update programs frequently to address any holes or weak points.

Phishing



Most of the attacks on financial institutions the past 3 years have NOT been through brute force attacks on firewall appliances, it has been through acquiring users' passwords, this technique is called "Phishing"

What is phishing used for

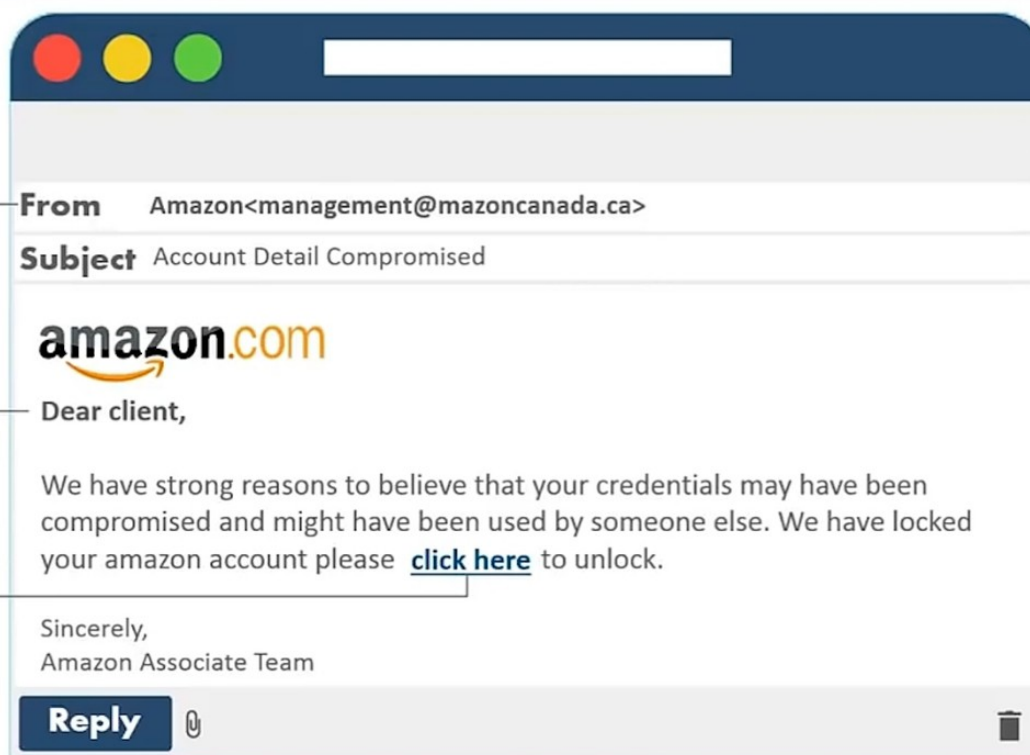


Phishing Awareness

Always check the sender email address

Look out for common generalised addressing

Always hover over links to check the redirect address



My Webinars x Sahiti Kappagantula say x Facebook - log in or sign up x

localhost

Apps anime stuff XDCC 4chan gifs study Araki Stuff aZP9X53_700b.jpg aqmvMVL_700b_v2 Other bookmarks

facebook

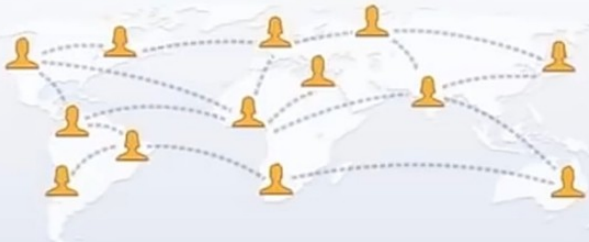
Email or Phone Password

thisisanemail@gmail.com

Log In

Forgotten account?

Facebook helps you connect and share with the people in your life.



Create an account

It's free and always will be.

First name Surname

Mobile number or email address

New password

Birthday

16 Jul 1993 Why do I need to provide my date of birth?

☐ Female ☐ Male

By clicking Sign Up, you agree to our Terms, Data Policy and Cookie Policy. You may receive SMS notifications from us and can opt out at any time.

Sign Up

Waiting for cache...



Password Attacks



An attempt to obtain or decrypt a user's password for illegal use. Hackers can use cracking programs, dictionary attacks, and password sniffers in password attacks. Defence against password attacks is rather limited but usually consists of a password policy including a minimum length, unrecognizable words, and frequent changes.

Types of Password Attacks



Brute Force Attacks



Dictionary Attacks



Keylogger Attacks

Stop Password Attacks

Update Password



- It's always a great idea to keep changing essential passwords in regular intervals
- Passwords shouldn't be the same for everything

Use Alpha-Numeric



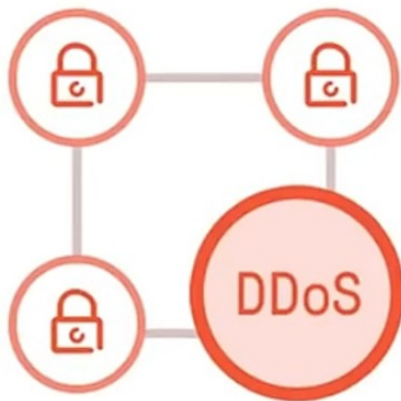
- When setting a password general best practices should be followed
- A password should contain a multitude of characters with a generous use of alpha numeric

NO Dictionary



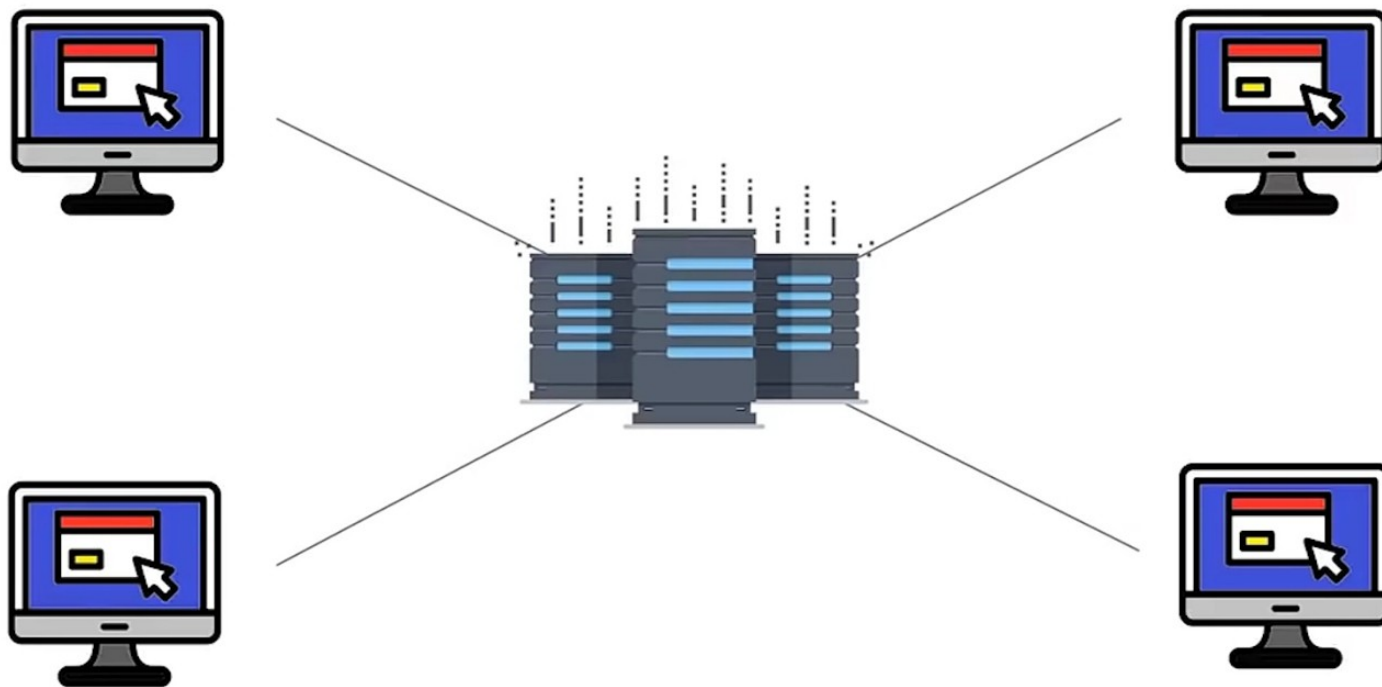
- It's always a great idea to use a password that only makes sense to you
- Passwords which use actual words that make sense are much more susceptible to dictionary attacks

Distributed Denial of Service



Distributed denial of service (DDoS) attacks are a subclass of denial of service (DoS) attacks. A DDoS attack involves multiple connected online devices, collectively known as a botnet, which are used to overwhelm a target website with fake traffic.

Packet Flooding



Prevention

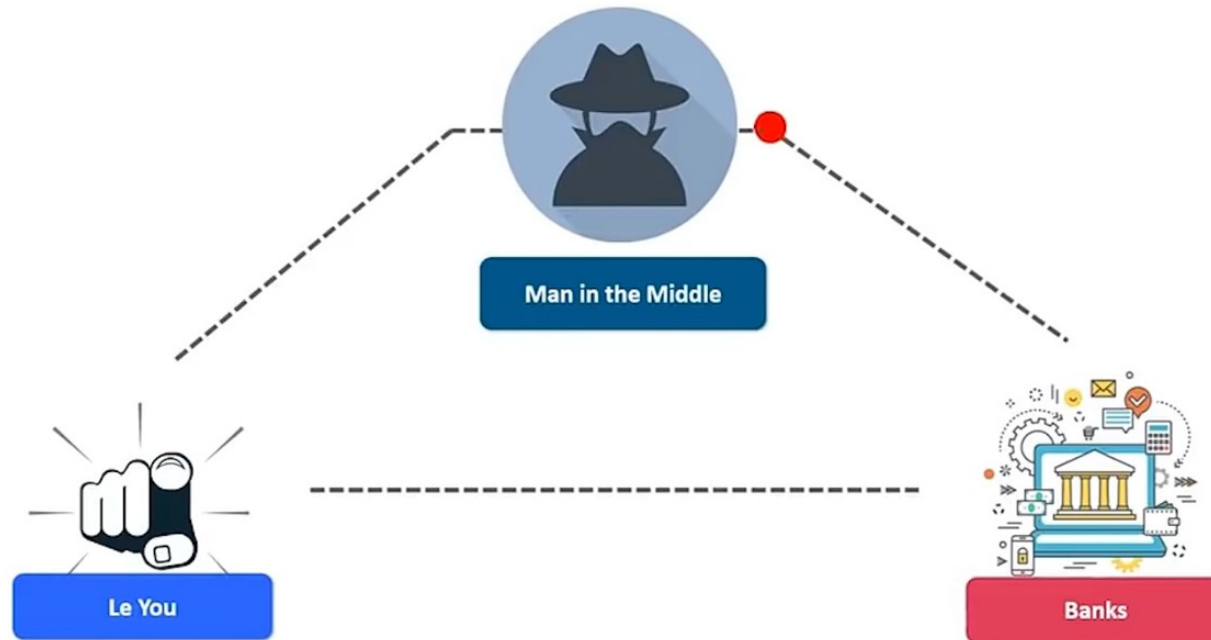
Traffic Analysis

Traffic Control

Recovery
Management



Man in the Middle



Prevent MITM

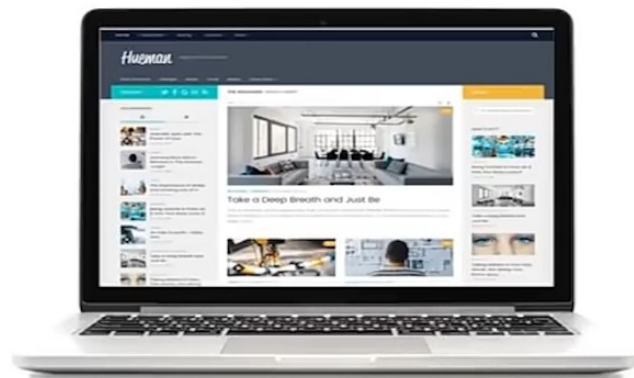
Use encrypted WAP

Always check the security of you connection(HSTS/HTTPS)

Invest in a VPN

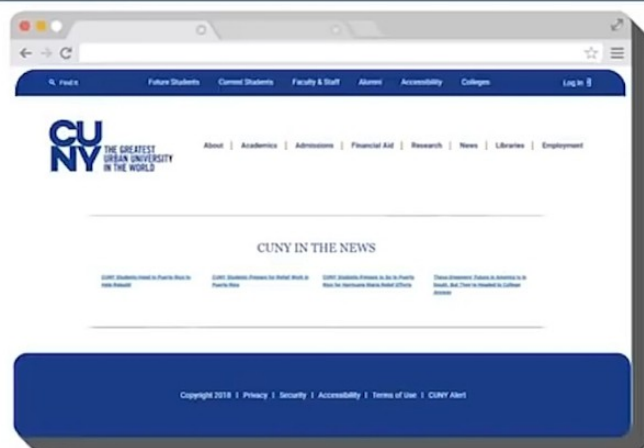


What is a Drive-by Download



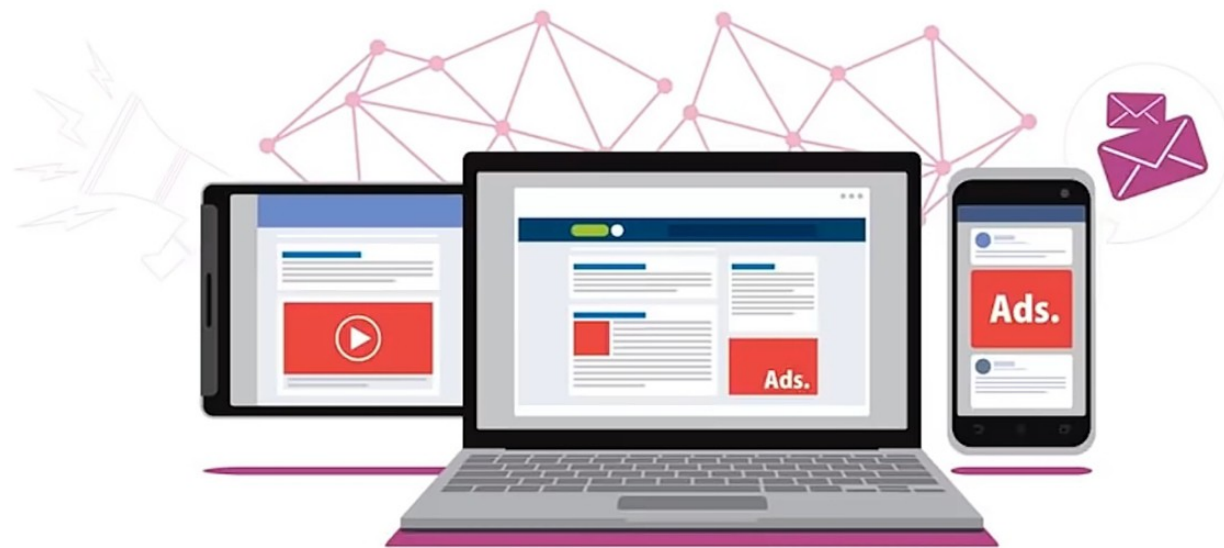
Drive-by download attacks occur when vulnerable computers get infected by just visiting a website. Findings from latest Microsoft Security Intelligence Report and many of its previous volumes reveal that Drive-by Exploits have become the top web security threat to worry about.

How it Works

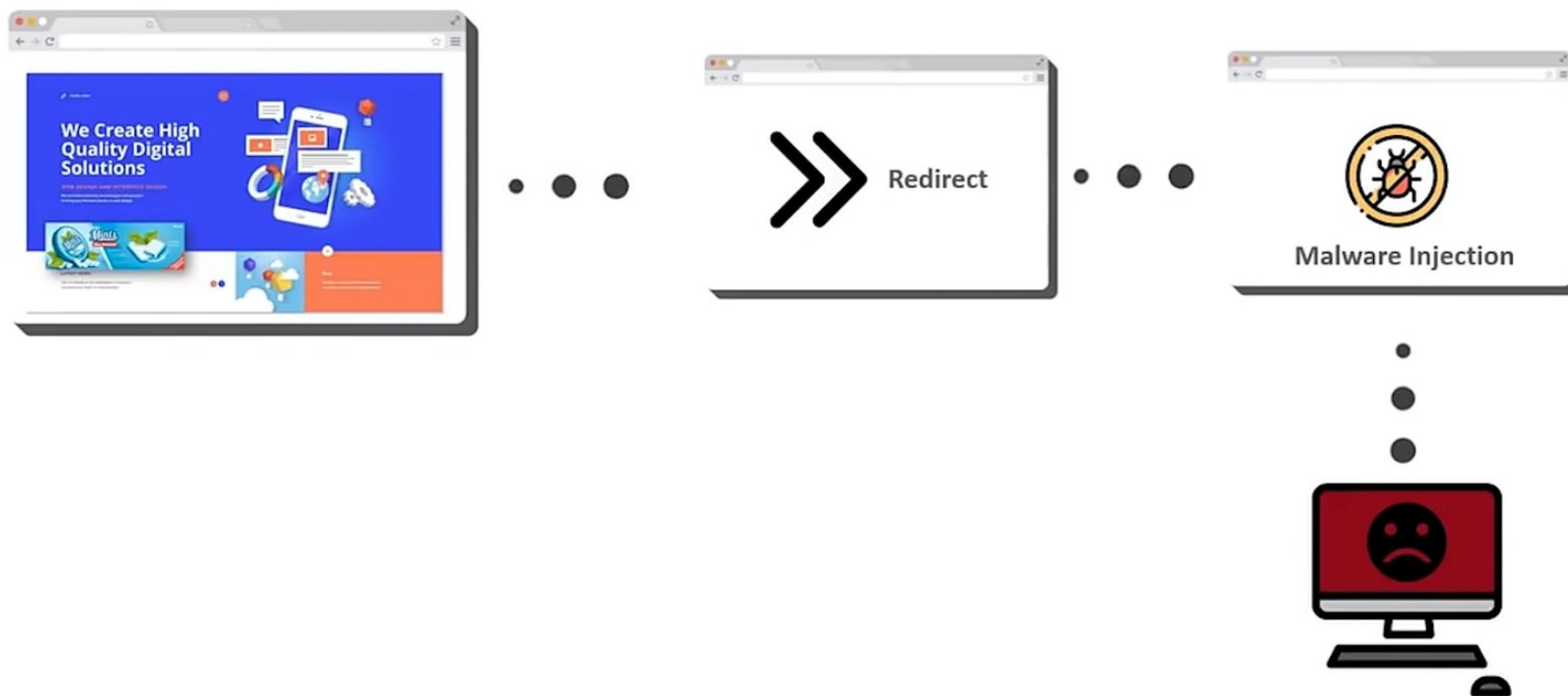


Malvertising

Malvertising is the name we in the security industry give to criminally-controlled adverts which intentionally infect people and businesses. These can be any ad on any site – often ones which you use as part of your everyday Internet usage. It is a growing problem, as is evidenced by a recent US Senate report, and the establishment of bodies like Trust In Ads.



How does it work



Prevention



Adblocker



Regular Software
Updates



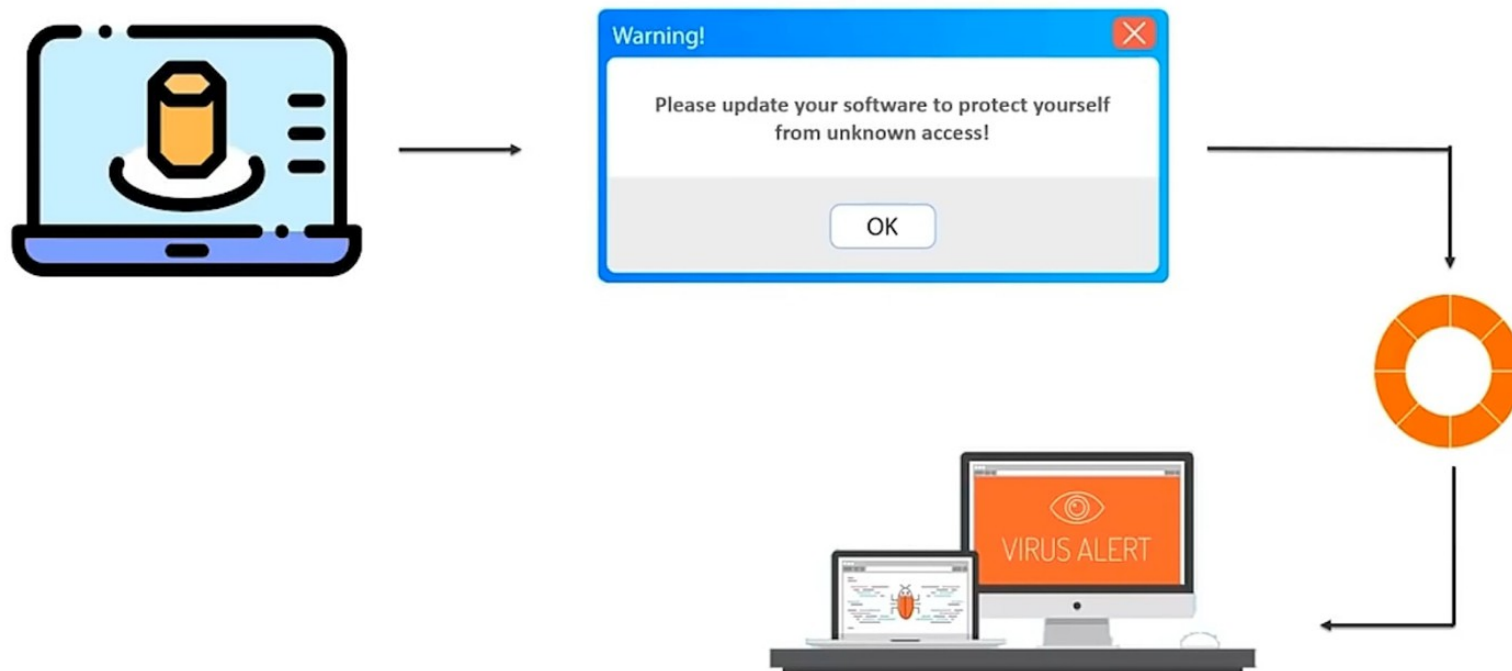
Common Sense

Rogue Software



Also called *smitfraud*, *scareware*, or *rogue security software*, this type of software is defined as malware - it is designed specifically to damage or disrupt a computer system. In this case, not only is the software going to disrupt your system, it's going to try and trick you into making a purchase using your credit card

Propogation



Prevention



Updated Firewall



Use Efficient
Antivirus



General Distrust



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