

and How to Protect Yourself Cybersecurity professionals continue to defend businesses and networks from different types of threats. Cyber-attacks

What is a Social Engineering Attack

target thousands of businesses and private users every day. include the theft of personal information.

The primary motive of the attack is money, but it may also

trick unsuspecting users into giving away information or

Introduction to Social Engineering

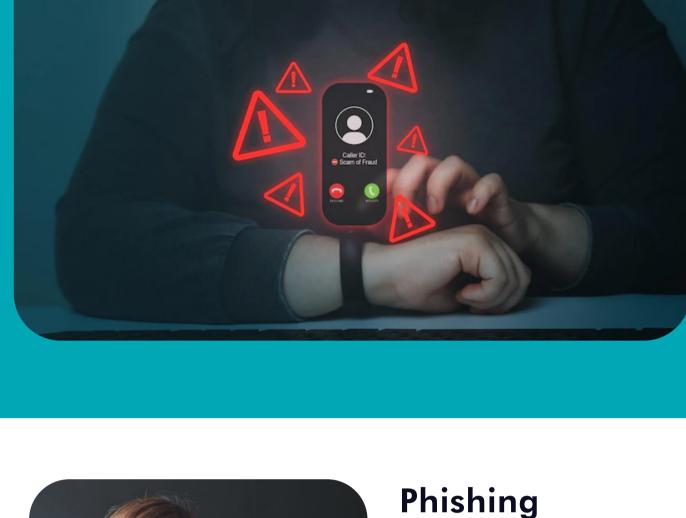
Social engineering is the use of psychological manipulation to

downloading infected code for malicious purposes. The fact that social engineering relies on human error rather than flaws in software and operating systems makes it particularly dangerous. Legitimate user failures are significantly less predictable than malware-based intrusions, making them more difficult to spot and stop. The end goal of most social engineering attacks is to gain access to sensitive information or breach an account.

Social Engineering Attack **Techniques and Types**

Social engineering attacks take many forms, whether it's a fake

call from someone claiming to be the CEO of a company, a bank asking for financial information, or even a catfish that promises a romantic liaison with the victim.





extracting confidential information from the victim. It is relatively easy for attackers to spoof emails and trick users into thinking that the message came from a trustworthy source.

Phishing attacks occur when a

social engineer masquerades

as a trusted entity or a person

of authority in the hopes of

financial information.

catch the target's attention,

such as current events and

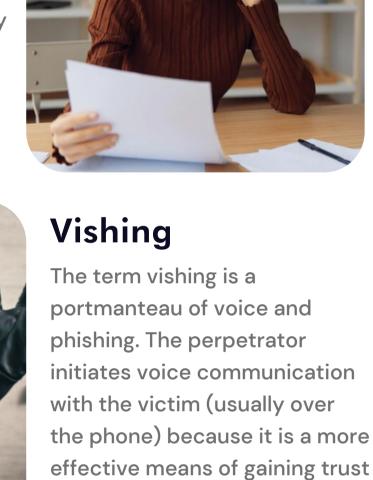
Smishing

Smishing attacks involve the

use of messages sent using

SMS (short message service).

text to trick would-be victims



to lure victims into providing

sensitive information.

sensitive information.



don't have a set target, whaling

attacks are very specific to the

person.

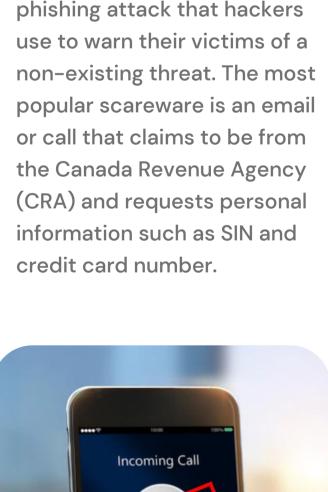
Baiting relies on the victim's curiosity or greed. It will lure victims with a false promise or

Baiting

reward to steal their identity

and infect their systems.





into giving away sensitive information.

Pretexting

A pretext is very similar to

whaling attacks, in that, the

employee and claims to be the

CEO or payroll officer at the

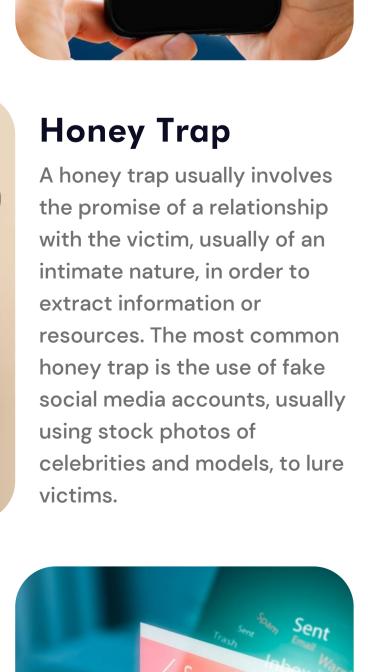
organization. The bad actor

events to trick the employee

may also invent fictitious

malicious actor calls an

Email Spamming



Email spamming is when the cybercriminal sends annoying and often dangerous emails, usually in bulk, to several users. At best, these emails may be harmless and only advertise products or services. At worst, they may attempt to steal information.





Cross-reference all Facts that they Know

Start asking a few questions for information you would expect

them to have. For example, a bank would know your full name,

address, details of transactions, and other information. Your

CEO would know specific details pertaining to your

employment. If the source doesn't have obvious information

on you, then they are very likely to be fake.

In the case of email, inspect the email header and

cross-reference it against legitimate emails from the same

sender. Look for grammar errors and spelling mistakes - a

legitimate organization, especially a financial firm, have an

entire team of qualified experts whose sole task is

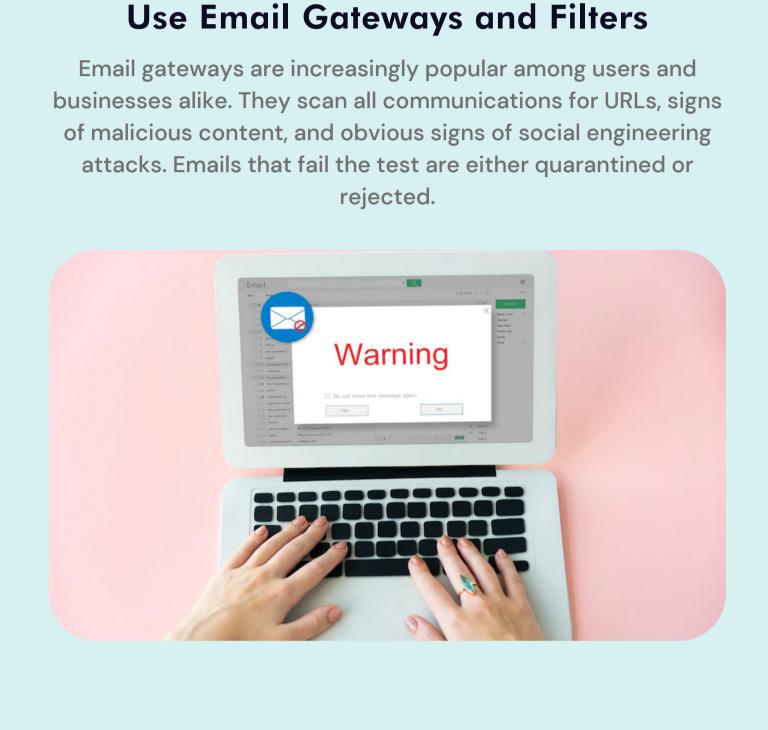
communications.

Also, the email contains links or attachments which allows you

to provide sensitive information or download malicious file into

your system. Always make sure to avoid these emails to

eliminate the risks.



Secure Your Device It is just as important to secure your devices to prevent social engineering attacks. The basic principles of protecting your device are the same, whether it's an enterprise system, a personal computer, or a smartphone.

Use Antivirus Software

This piece of advice cannot be stressed enough: your antivirus

is your first and last line of defence. Run regular scans on your

computer with the antivirus software. Make sure you have

enabled automatic updates so that they can install in the

background.

click here for more information

Enable Multi-Factor Authentication

MFA applies a second layer of security that requires another

piece of identification to confirm that you are who you

say you are.

These days, the most common MFA is a fingerprint scan, or a

code generated via an authenticator app. Businesses

operating in more sensitive industries may go beyond 2FA to

include even more elements for authentication that include:

Only Visit Websites with SSL Certification An SSL certificate is relatively affordable and hardly costs \$10 for a year - depending on the level of security you're going for.

Different Accounts

your social media account, you don't want them to use the stolen credentials to break into your other accounts too.

In the event a hacker gets access to the password for

Never Share the Same Password for

Think About Your **Digital Footprint** An effective safeguard against social engineering attacks is to carefully manage your digital footprint and take ownership of all data that belongs to you or your organization. Assess your social media accounts to see if you have accidentally given up too much information.

For example, many banks use your mother's name for security questions. Did you inadvertently give up this information on

using a private setting on all your social media accounts to prevent bad-faith actors from accessing your personal information.

social media? If so, you may be vulnerable! We recommend

Wrapping Up Cybercriminals are getting smarter by the day and leveraging

It is up to the end-user to take cyber security more seriously. For more information on the steps, you can take to protect your systems and network, get in touch with our experts here.

Get In Touch With Microsys

Our mission is to deliver affordable and high-quality technology solutions that enable small medium

zero-day attacks that exploit vulnerabilities in outdated software. Threats like this are popping up every other day.

nd enterprise businesses to meet their goals more efficiently

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