

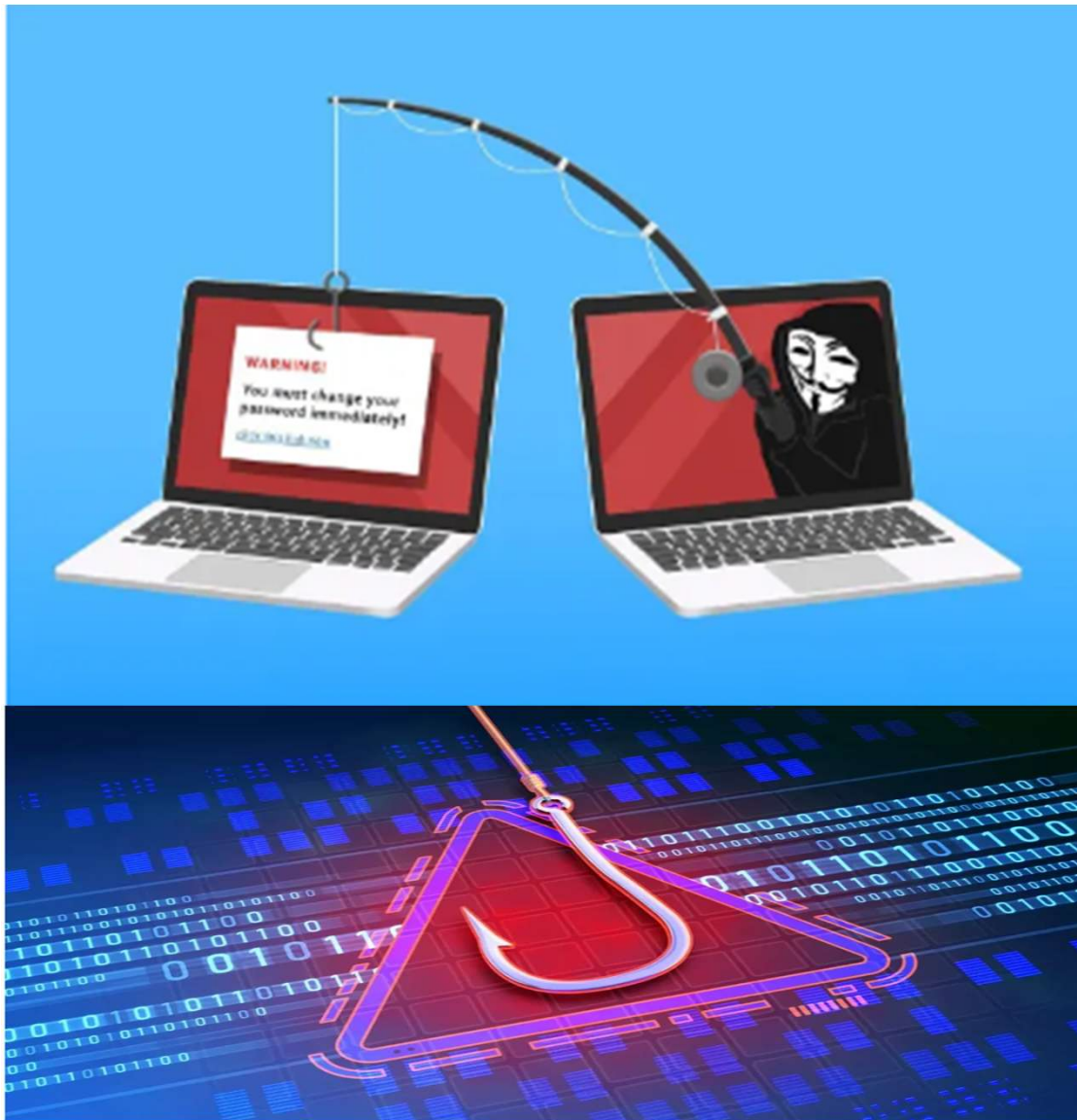
BY **CODE ALPHA**

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PROTECTING
YOURSELF FROM
PHISHING ATTACKS



WHAT IS PHISHING



INTRODUCTION

- Phishing is a type of cybercrime where criminals trick people into sharing sensitive information or downloading malware. Phishing attacks can be carried out via email, text message, phone call, or website.

Types of phishing attacks

Email and
Spam

Spear
phishing

Search
Engine

DNS based
phishing

MITM
phishing

Session
Hacking

Key
loggers

Trojaned
host

Instant
messaging

Clone
phishing

Phone
phishing

Types of phishing attacks

Common Phishing Attacks

Social Engineering Red Flags



FROM

- I don't recognize the sender's email address as someone I **ordinarily communicate with**.
- This email is from **someone outside my organization and it's not related to my job responsibilities**.
- This email was sent from **someone inside the organization** or from a customer, vendor, or partner and is **very unusual or out of character**.
- Is the sender's email address from a **suspicious domain** (like micorsoft-support.com)?
- I **don't know the sender personally** and they were **not vouched for** by someone I trust.
- I **don't have a business relationship** nor any past communications with the sender.
- This is an **unexpected or unusual email** with an **embedded hyperlink or an attachment** from someone I haven't communicated with recently.



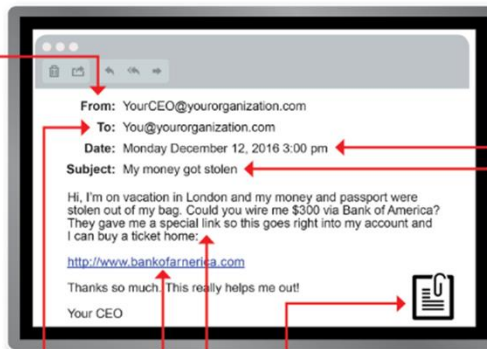
TO

- I was cc'd on an email sent to one or more people, but I **don't personally know** the other people it was sent to.
- I received an email that was also sent to an **unusual mix of people**. For instance, it might be sent to a random group of people at my organization whose last names start with the same letter, or a whole list of unrelated addresses.



HYPERLINKS

- I hover my mouse over a hyperlink that's displayed in the email message, but the **link-to address is for a different website**. (This is a **big red flag**.)
- I received an email that only has **long hyperlinks with no further information**, and the rest of the email is completely blank.
- I received an email with a **hyperlink that is a misspelling** of a known web site. For instance, www.bankofamerica.com — the "m" is really two characters — "r" and "n."



DATE

- Did I receive an email that I normally would get during regular business hours, but it was **sent at an unusual time** like 3 a.m.?



SUBJECT

- Did I get an email with a subject line that is **irrelevant or does not match** the message content?
- Is the email message a reply to something I **never sent or requested**?



ATTACHMENTS

- The sender included an email attachment that I **was not expecting** or that **makes no sense** in relation to the email message. (This sender doesn't ordinarily send me this type of attachment.)
- I see an attachment with a possibly **dangerous file type**. The only file type that is **always safe to click on is a .txt file**.



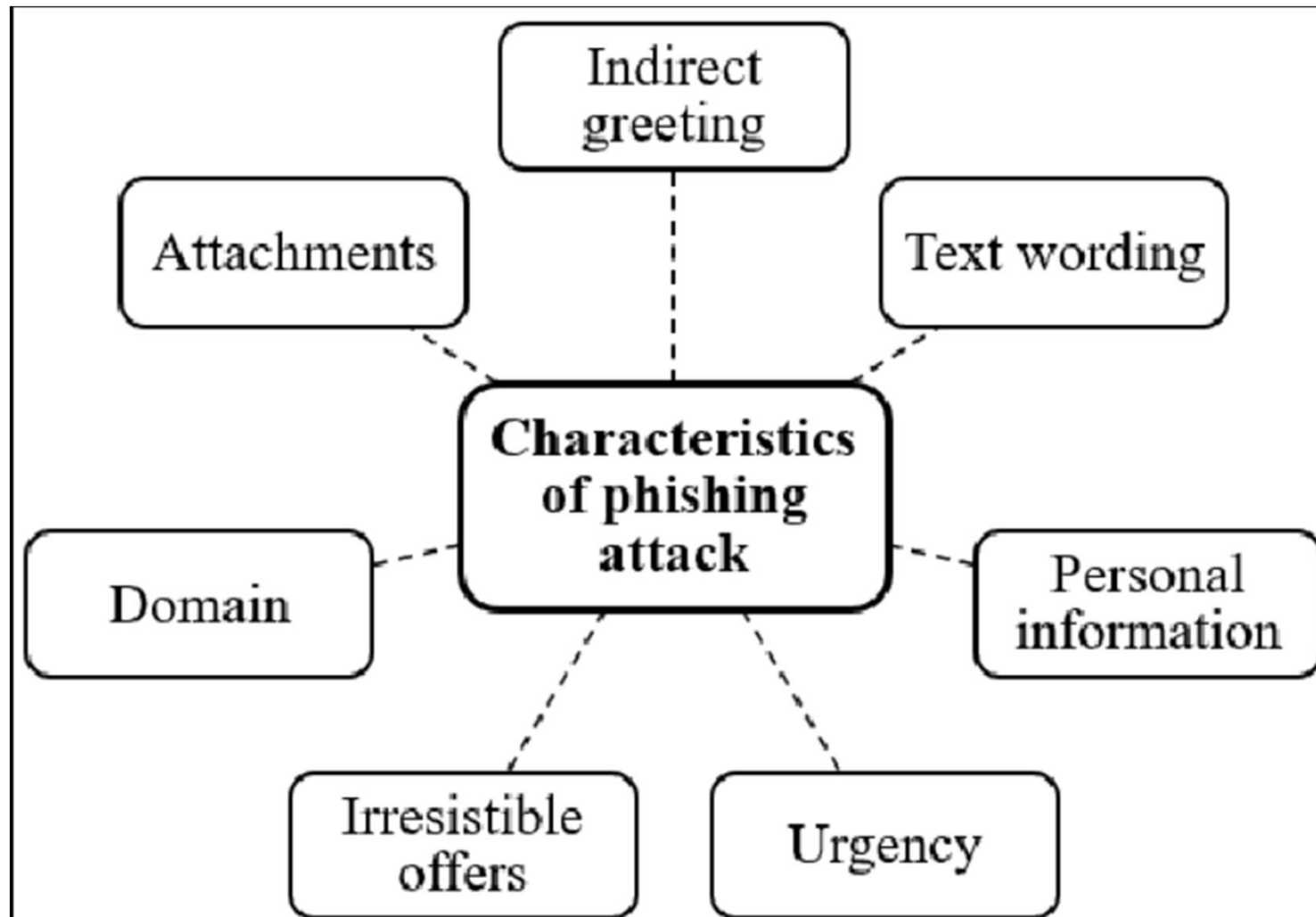
CONTENT

- Is the sender asking me to click on a link or open an attachment to **avoid a negative consequence** or to **gain something of value**?
- Is the email **out of the ordinary**, or does it have **bad grammar** or **spelling errors**?
- Is the sender asking me to click a link or open up an attachment that **seems odd or illogical**?
- Do I have an **uncomfortable gut feeling** about the sender's request to open an attachment or click a link?
- Is the email asking me to look at a **compromising or embarrassing picture** of myself or someone I know?

E-MAIL PHISHING



Common Characteristics of Phishing Attacks



PROTECT AGAINST PHISHING ATTACKS

10 things users should do
to prevent fishing attack



1 Think Twice
Before You Click



6 Use Antivirus Software



2 Update Your Browser



7 Customize Your Browser
with Anti-Phishing Toolbars



3 Check Your Online
Accounts Often



8 Avoid Using Public Networks



4 Beware of Pop-Ups



9 Delete the Email
Once Detected



5 Get Your Firewall Up



10 Block the Sender

THANKS

- I want to express my gratitude for your time and active involvement in today's presentation, focusing on safegurading against phishing attacks. Your engagement ebhances our collective understanding and commitmentto strengthening cybersecurity mesure
- **CREDITS:** This presentation template was created by **Vikram Jat**, and include icons by **Flaticon** and infographics & image by **Google!**