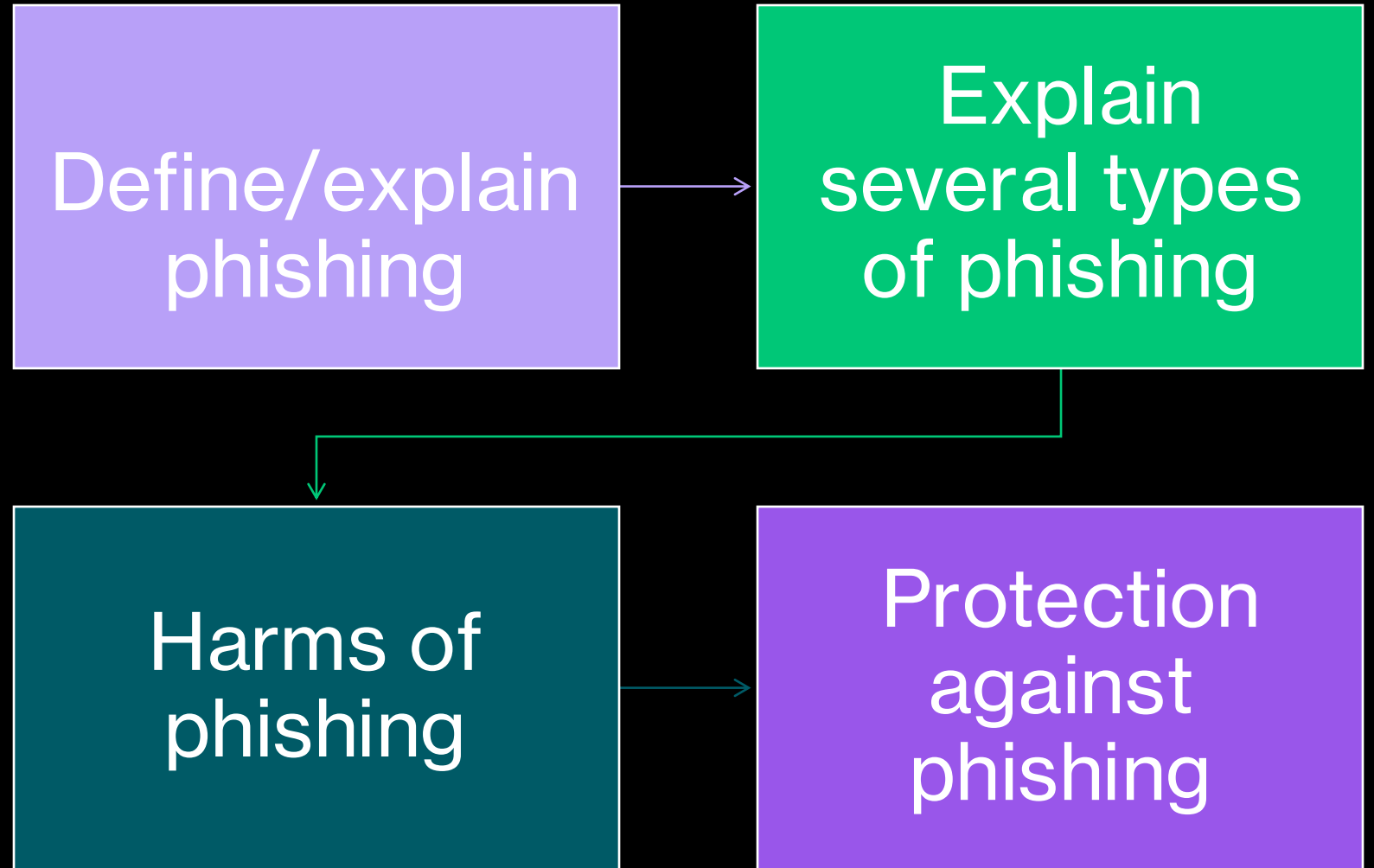




# Phishing

Gabe Olivier and Mario  
Pomorski

## Objectives



# Quick Facts

## **Phishing is the most common form of cyber crime**

- + ~3.4 billion spam emails are sent everyday
- + Every ~11 seconds a phishing email is sent
- + 1/5 of phishing emails come from Russia

## **Phishing is lucrative**

- + On average ~\$4.91 million in breach costs
- + Largest attack was ~1.8 billion







# What is Phishing?

## Definition:

The fraudulent practice of sending emails or other messages to induce individuals to reveal personal information, such as passwords and credit card numbers.

## Types:

1. Spear Phishing
2. Vishing
3. Angler phishing
4. Quishing

# Spear Phishing

## Strategy:

Targets a specific person or group and often will include information known to be of interest to the target, such as current events or financial documents

## Method:

Messages are delivered via e-mail and are designed to convince the user to open a malicious link or attachment.



# Spear Phishing Example

**Subject Line:** Quarterly Report

*Dear Mario Pomorski,*

*I noticed that you have not yet submitted your quarterly report. Attached is a template for the report, please fill this out immediately.*

*I expect a full analysis by the end of the day,*

*Gabe Olivier*

*Tec Corporations CEO*



# Vishing

## Strategy:

An attack where scammers use phone calls to stress individuals into revealing personal information.

## Method:

This type of scam can be executed by real humans or via pre-recorded robocalls. They also often leave voice messages to increase their chances of success.





# Angler phishing

- **Angler Phishing** is a type of cyberattack where **fraudsters impersonate customer service accounts** on social media platforms to trick users into giving up sensitive information.
- The term “angler” comes from **angling (fishing)**, the attacker “baits” users by posing as legitimate support representatives.



# Why it's Effective

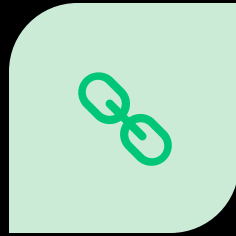
- **Timely and targeted:** Attackers monitor hashtags and mentions in real-time.
- **Looks legitimate:** Fake accounts often use company logos and names that are hard to distinguish from the real ones.
- **Urgency:** The attacker may claim immediate action is needed to fix the issue.
- **Trust in brands:** Users expect helpful, fast replies from customer service.



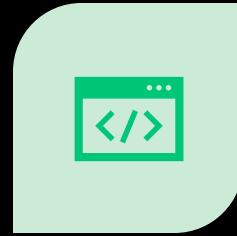
# How to Stay Safe



**VERIFY ACCOUNTS:**  
ONLY RESPOND  
TO **VERIFIED** OR  
OFFICIALLY LINKED  
SUPPORT ACCOUNTS.



**DO NOT CLICK  
UNKNOWN LINKS** IN DMS  
OR REPLIES.



**GO TO THE COMPANY'S  
WEBSITE DIRECTLY** FOR  
HELP.



**BE SKEPTICAL OF  
URGENT REQUESTS OR  
REWARD OFFERS.**



**REPORT FAKE  
ACCOUNTS** TO THE  
PLATFORM.

# Quishing



- **Quishing** is a form of phishing that uses **QR codes** to deceive users. The term combines “**QR**” and “**Phishing**.”
- Once scanned, the QR code could lead to:
- Fake login pages
- Malware downloads
- Fraudulent payment portals

# *Special* **Giveaway Alert**

Million Dollar Cash Prize



- Follow our GETMONEY Instagram account
- Share this post on your Instagram story
- Comment, Like, and tag 5 friends

The winner announcement on

**2 Minutes**

@reallygreatsite



# Why is it dangerous



**Invisible URLs:** Users can't see the link before scanning.



**Bypasses filters:** Many email security systems don't flag QR codes.



**User trust:** People often scan QR codes without caution, especially in public places.



**No antivirus trigger:** A camera scan bypasses traditional desktop protections.

# How to protect yourself

1

**Inspect the source** before scanning any QR code.

2

**Preview the URL** when your phone shows it before opening.

3

**Don't scan QR codes in suspicious emails** or random posters.

4

**Use QR scanning apps** that show full URLs before redirecting.

# References

- <https://www.terranovasecurity.com/solutions/security-awareness-training/what-is-phishing>
- [https://www.dni.gov/files/NCSC/documents/campaign/Counterintelligence\\_Tips\\_Spearphishing.pdf](https://www.dni.gov/files/NCSC/documents/campaign/Counterintelligence_Tips_Spearphishing.pdf)
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