Training Material for Master Card

How to stop phishing emails

Presentation by Young Jung

Familiarize yourself with phishing attacks

Have you heard about the Target incident?

It serves as a stark reminder of the dangers lurking in seemingly harmless emails. The Target Corp. data breach affected the personal and financial data of over 110 million customers and was traced back to a phishing attack. This was no random attempt; the attackers sent a malware-infected email to employees at an HVAC firm that was a business partner of Target. The fallout from this breach highlights a critical need: robust security awareness training across all levels of an organization, including its partners.

Let's have a look at the results of the phishing campaign.

This table helps you to identify which teams appear to be **more likely** to fall for a phishing email than others.

Team	Email open rate	Email click-through rate	Phishing success rate
IT	80%	2%	0%
HR	100%	85%	75%
Card Services	60%	50%	10%
Engineering	5%		7%
Marketing	65%	40%	38%
R&D	50%	5%	2%
Overall average	**66%**	**28%**	**18%**

What is phishing?

Email phishing is the most popular attack vector for malware.

- **Deceptive Emails:** Attackers often disguise their emails as coming from reputable sources.
- **Malicious Links or Attachments:** These emails usually contain links or attachments that, when clicked or opened, can install malware on the user's device.
- **Spread of Malware:** Once the malware is installed, it can perform a range of malicious activities, from stealing sensitive data to damaging the system.

Always verify before you click!

Learn to spot phishing emails

- Check the From email address.

- Hover over links before you click.

- Watch for poor spelling and grammar.

- Beaware of false scholarships and job offers

- Beware of urgent or threating language.

From: mastercardsIT@gmail.com
To: employee@email.com
Subject: URGENT! Password Reset Required
—
Body:
Hello (insert name) .

Your email account has been compromised. immediate action is required to reset your password!

Click here to reset your password in the next hour or your account will be locked:
https://en.wikipedia.org/wiki/Phishing

Regards,
Mastercard IT

How do we stop getting phished?

- Know what a phishing scam looks like

- Don't click on that link

- Anti-phishing add-ons

- Change your passwords regularly

- Update! Update! update security patches and software updates!

- Install firewalls
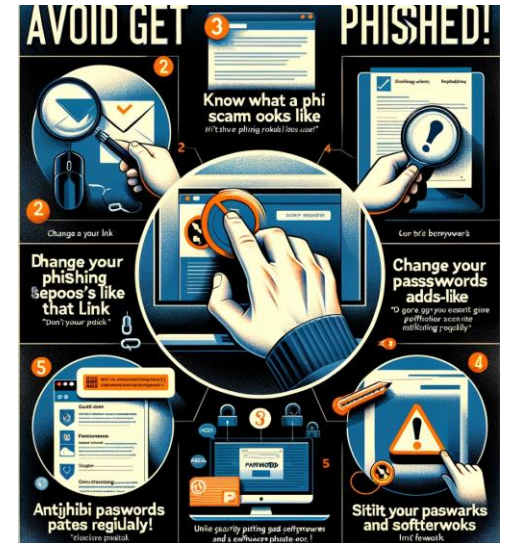
About Me

Young Jung

I am a Cyber Software Developer with over 10 years of strong experience in performing web application development tasks, and security measures. Proficient in gathering business requirements to understand customer needs, analyzing and scoping project needs for web development, designing and developing full-stack web applications. Perform integrated testing and vulnerability assessment to meet business and technical requirements, and provide production support and maintenance within the IT and services industries.

📞 213-880-2661

✉ YoungJung365@gmail.com

in https://www.linkedin.com/in/youngjung365

 https://young-jung.github.io