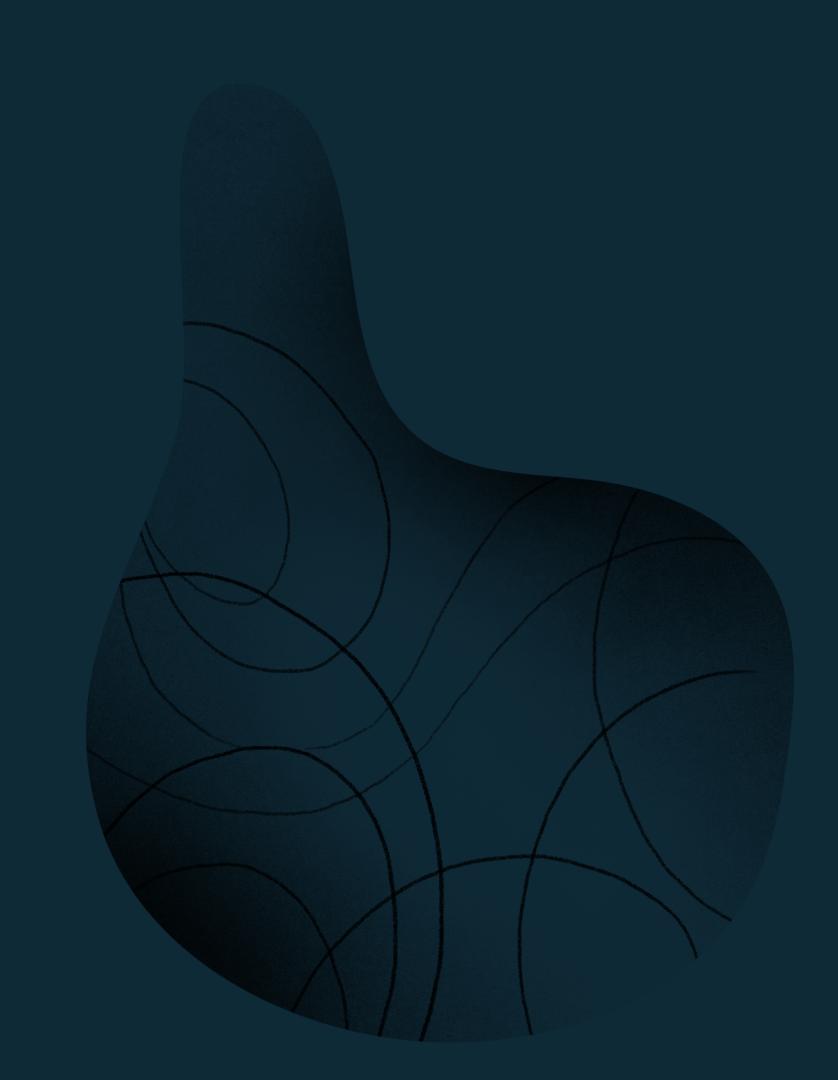
Presentation on

PHISHING ATTACK

By:

Alby Shinoj



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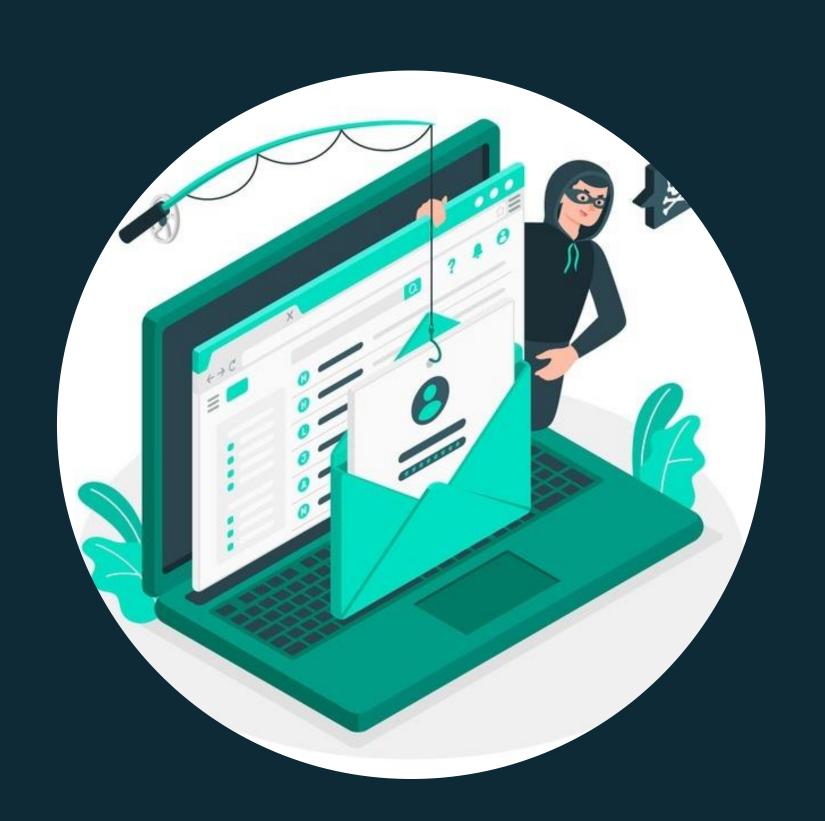
- Introduction
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Introduction

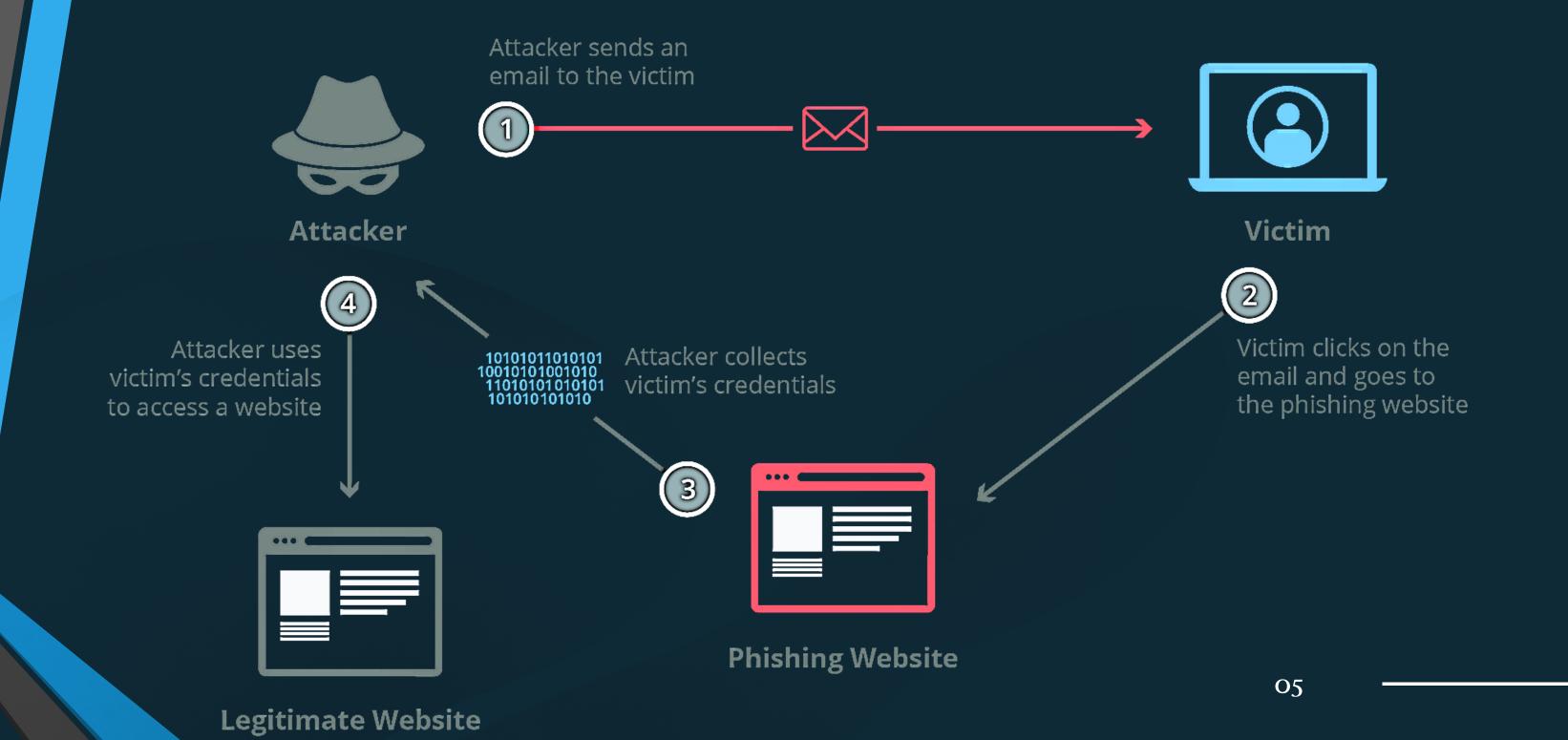
Phishing is a type of social engineering attack often used to steal user data, including login credentials and credit card numbers.

What is Phishing?

The term Phishing can be defined as an act of attempting to acquire sensitive information by pretending to be a trustworthy entity.



Typical Scenario of Phishing Attacks



History of Phishing Attack

7

1990

The first phishing attempt is recorded on America online (AOL). Hacker attempt to steal login credentials & personal information from AOL to resell online.

2008

Bitcoin & crypto currency are launched this increases the creation of malware as it is easier for cyber criminals to securely receive payment from their victims

2019

Cyber criminals begin hiding malicious code inside image files to slip through user's anti-virus software

Th riseof E-commerce encourages cyber criminals to create spoofed websites, impersonating popular domain like ebay & PayPal.

Phishing becomes the primary technique to deliver ransomware

2000

2013

Types of Phishing Attacks

EMAIL PHISHING



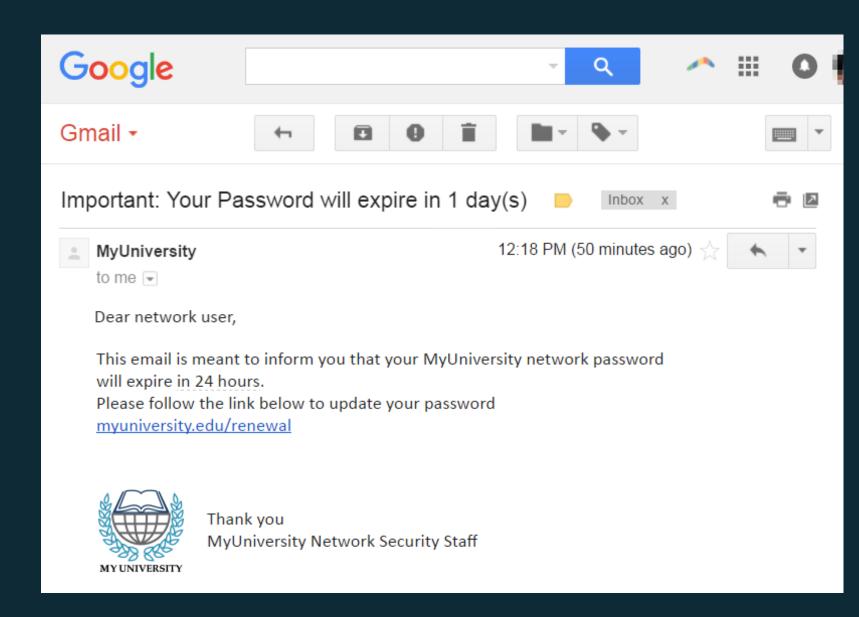
CLONE PHISHING

SPEAR PHISHING



Email Phishing & it's Example

The most widely known form of phishing, this attack is an attempt to steal sensitive information via an email that appears to be from a legitimate organization.



Spear Phishing & it's Example

These email messages are sent to specific people within an organization, usually high-privilege

There is something unusual about this email, please take care as it could be malicious.

Tessian has flagged this email because it matches some common patterns seen in email impersonation attacks. Tessian found the following unusual about the email:

- The email's subject contains language commonly used in email attacks
- The email contains an unusual link
 seen in previous attacks

that matches some patterns

Please be careful when replying to or interacting with this email.

Subject: Notification: Please verify your account details.

?

GoDaddy Verification

to info. 20210217170319 215FCB62F41CDF7F *

GoDaddy

Dear

We noticed some unusual activity on your GoDaddy account and we are concerned about potential unauthorized account access

We need your help resolving an issue with your GoDaddy account.

Until you help us resolve this issue, we've temporarily limited what you can do with your account.

Please click here and prove that you are the right account holder in order to avoid account limitation.

In case you ignore this automated email, your account will be limited permanently.

Thank you

Clone Phishing & it's Example

In this type of phishing, the attacker clones a genuine or legitimate email that you might have received from an authentic sender but sent from a spoofed email id



Dear valued customer of TrustedBank,

We have recieved notice that you have recently attempted to withdraw the following amount from your checking account while in another country: \$135.25.

If this information is not correct, someone unknown may have access to your account. As a safety measure, please visit our website via the link below to verify your personal information:

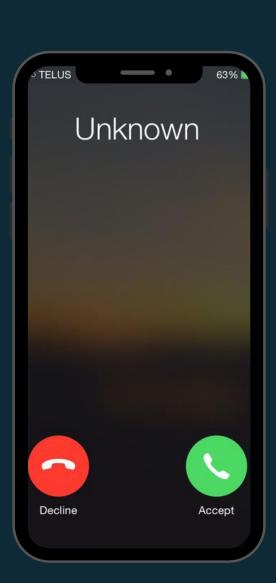
http://www.trustedbank.com/general/custverifyinfo.asp

Once you have done this, our fraud department will work to resolve this discrepency. We are happy you have chosen us to do business with.

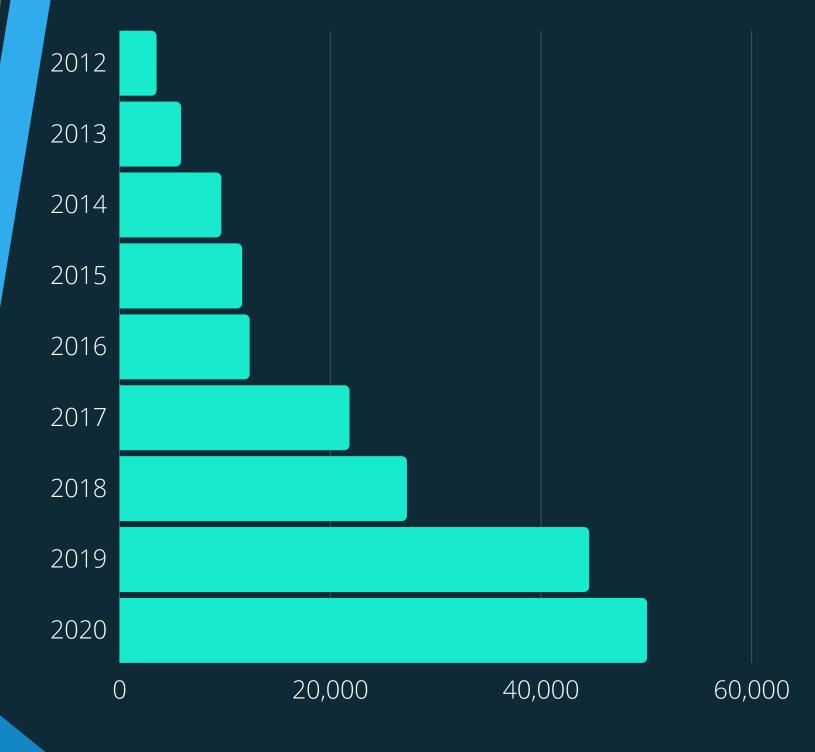
Thank you, TrustedBank

Voice Phishing & it's Example

Vishing—or voice phishing—is the use of fraudulent phone calls to trick people into giving money or revealing personal information.



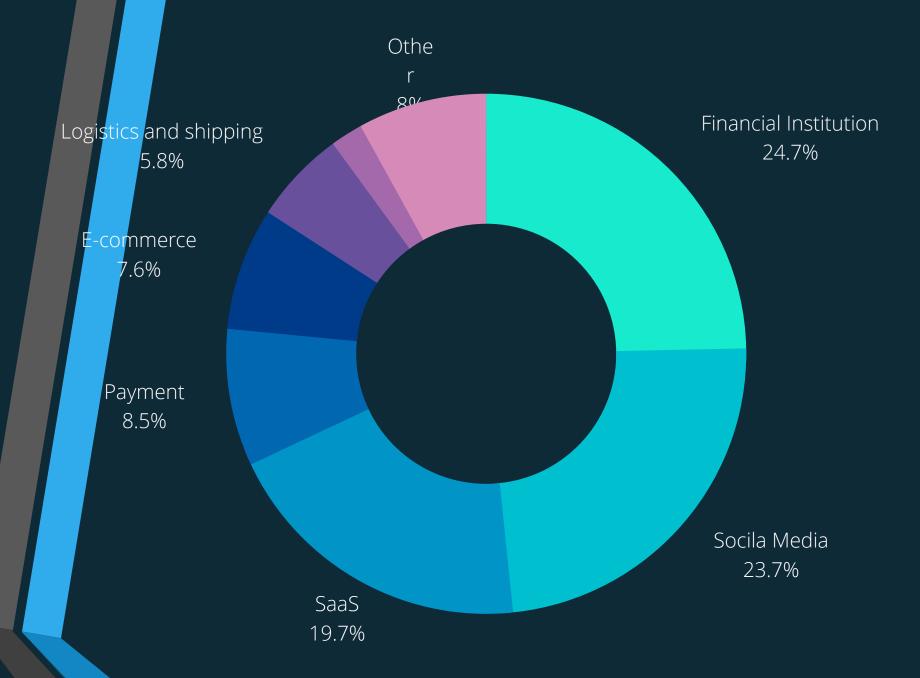
PHISHING ATTACK STATISTICS IN INDIA



Around 83% of IT teams in Indian organizations said the number of phishing emails targeting their employees increased during 2020

Number of cyber crimes reported across India

PHISHING ATTACK STATISTICS IN INDIA



Most targeted industry in India, first quarter of 2021

During the first quarter of 2021, 24.9% of phishing attacks worldwide were directed towards financial institution

On top of that, social media accounted for 23.6 percent of attacks making these two the highest targeted industries when it came to phishing during this period.

PREVENTIONS FROM PHISHING ATTACK

- Know what a phishing scam look like
- Don't click on that link
- Don't give your information to unsecured site
- Rotate your password regularly
- Install Firewalls
- Install Anti-phishing software

ANTI-PHISHING SOFTWARE

Area 1 Horizon

Cloud based service that offer protection from phishing on Email & network based vectors

GreatHorn

This cloud- native email security service protect from phishing attack on office 365, email carrying ransomware

IronScale

This is a self learning email security platform powered by AI. It can help you to detect & predict phishing attacks.

PUNISHMENT AND CYBER LAW

Hacking into a computer network, data theft, introducing and spreading viruses through computer networks, This is a punishable offence under Section 43 of the Information Technology Act, 2000 with the maximum punishment for the above offences is imprisonment of up to 3 years or a fine or Rs. 5,00,000 (Rupees five lac) or both.

CONCLUSION

No single technology will completely stop Phishing Attacks.

However a combination of good organization and practice, proper application of current technologies and improvement in security technology has the potential to drastically reduce the prevalence of phishing and the losses suffered from it.

REFERENCE



Books

Phishing Exposed
Social engineering
Phishing Attacks



www.phishing.org

Thank You