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CodeAlpha Phishing Awareness Training

PHISHING AWARENESS TRAINING

INTRODUCTION TO PHISHING

WHAT IS PHISHING?

Phishing is a cybercrime where attackers manipulate individuals into revealing sensitive information, often through deceptive online tactics. Phishing includes stealing passwords, credit card numbers, and personal details. Phishing can cause significant harm to individuals and organizations, leading to financial loss, identity theft, and compromised security. Understanding phishing is essential to safeguard personal and organizational assets.





TYPES OF ATTACKS

SPEAR AND WHALING PHISHING

Spear phishing targets specific individuals or organizations, while whaling focuses on high-profile targets such as executives. Both involve personalized attacks, making them more dangerous than generic phishing attempts.

EMAIL PHISHING

This is the most common form of phishing, where attackers send deceptive emails that appear to come from legitimate organizations. These emails often contain malicious links or attachments, prompting users to divulge personal data.



EMAIL INDICATORS

[ΰΰΞ Τύο ΛΩΛσΛΙ• ΡαδΩϔŜοΙ• ŘŘαδασδσιὐΙ• ὑŘΩΩŜοσΙΩΊ τὐΞ ΤσΰΨ ΙΒ΄ "ŒΨΙ• τίδ ΰΩδαστ ΰΰο $^{\circ}$ ΦΨΨΙ• οΙ• Ωϔ σμι Β΄ ΜΩΔΙ• ΞŜσΙ• αδ τίδ ΙΡΝΙ• ΙΒ΄ ατΩρα $^{\circ}$ σ ΥΙ ΒΡΝΙ• σ $^{\circ}$ δΩδα $^{\circ}$ αδ δΕΩ $^{\circ}$ σ ΙΕΘΕΝ ΙΒ΄ ΑΤΩΓΑΘΌ ΑΝ ΙΤΙ• ΤΑΘΕΝ ΙΒΙ• ΕΰΩ $^{\circ}$ Ο ΙΝΑΘΕΝ ΙΒΙ• Ο ΙΝΑ

RECOGNIZING PHISHING SIGNS

WEBSITE WARNING SIGNS

Phishing websites often have URL discrepancies, like misspellings. Also, check for the 'HTTPS' prefix; a lack of it may indicate a fraudulent site. Government and reputable organizations encourage always verifying URLs.

PREVENTION BEST PRACTICES

STAY INFORMED

Continuous education about phishing tactics is vital. Regular training can empower employees to recognize threats and respond appropriately. Encourage sharing of phishing attempts to cultivate a vigilant culture.

USE MULTI-FACTOR AUTHENTICATION

Enabling multi-factor authentication (MFA) adds an extra layer of security. Even if credentials are compromised, attackers will face additional hurdles to accessing accounts.

DETECT AND REPORT

Encourage users to report suspected phishing attempts to the IT department. A prompt response can mitigate potential threats, ensuring that security protocols are updated to counteract new phishing strategies.

REAL-LIFE THREATS

CASE STUDY	YEAR	IMPACT
Target Corporation	2013	40 million credit cards stolen
Sony PlayStation Network	2011	77 million accounts compromised
Ubiquiti Networks	2015	\$46.7 million lost

REPORTING PHISHING



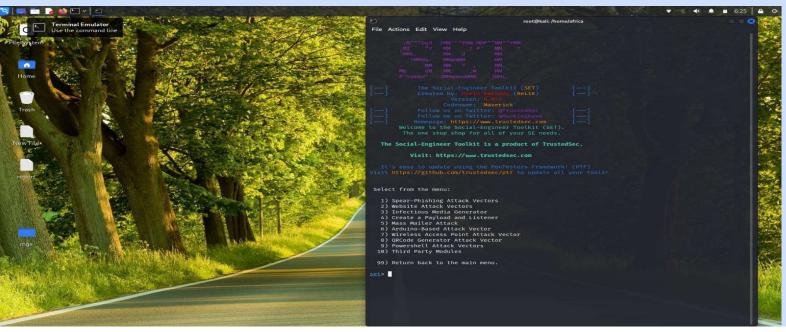
STEPS TO REPORT PHISHING

If you encounter phishing, do not click on any links or download attachments. Report it to your organization's IT or security team immediately. Additionally, forwarding suspicious emails to antiphishing authorities can help track and eliminate threats, strengthening overall cybersecurity efforts.

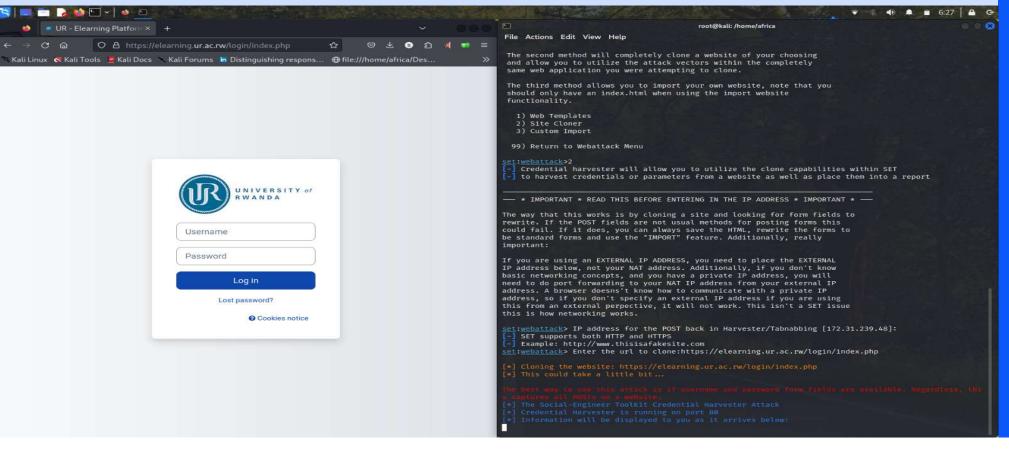
SOCIAL ENGINEERING

Social engineering is a manipulation technique that exploits human psychology to gain confidential information, access, or valuables. Unlike phishing, which often involves technical hacking, social engineering relies on interpersonal skills and deception.

Phishing Using Setoolkit



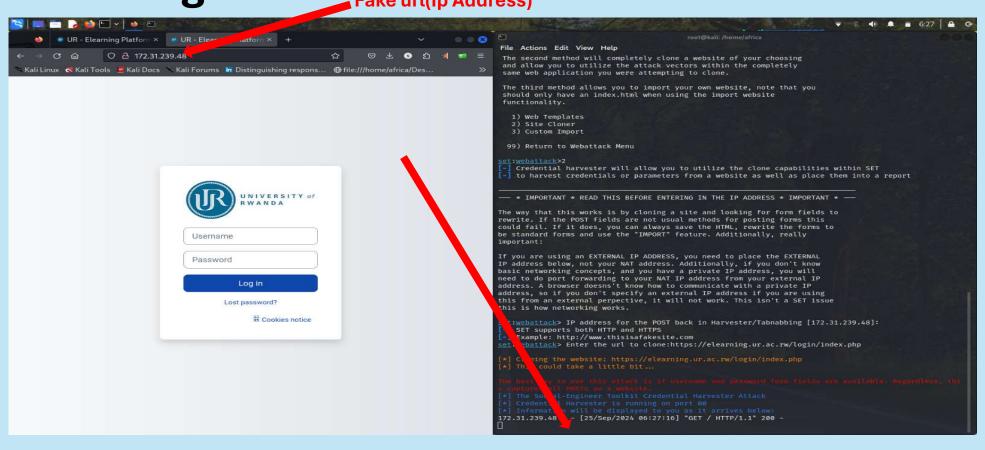
Website Cloning in Setoolkit – Kali Linux [Educational purposes Only]



Real vs Fake Websites....

 Real Fake ools 💆 Kali Docs 🥄 Kali Forums 🛅 Distinguishing respons... 🕀 fi i Linux Kali Tools 💆 Kali Docs 🥄 Kali Forums 🚺 Distinguishing respons... 🕀 file:///home/africa/Des Username Username Password Password Log in Log in Lost password? Lost password? E Cookies notice **O** Cookies notice

Attackers gaining Credentials using Phishing Fake url(Ip Address)



Attackers gaining user login details:

