## Cyber Attack for Management

The Armitage Project

ISSA DC / 18 Jan 11

# Today.

- Your speaker
- On Hacking...
- What is Armitage?
- Demonstration
- Q&A

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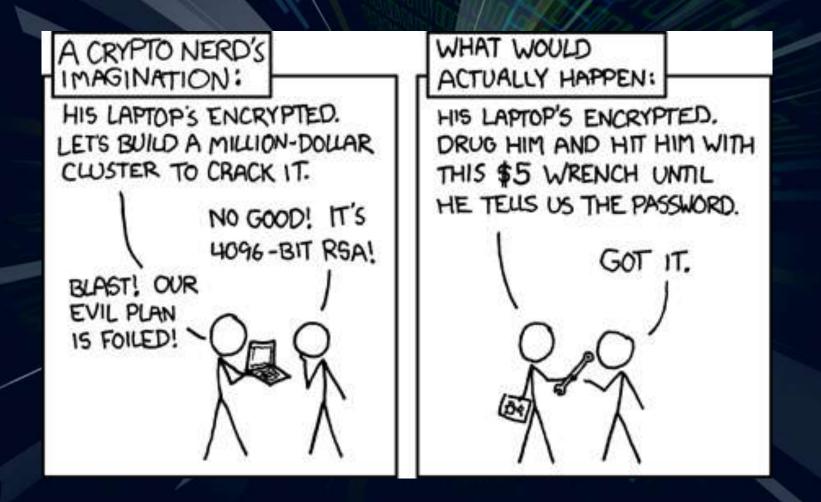
#### Your Speaker...

- Systems Administrator
- NOSC Crew Commander
- Cyber Ops R&D Team Lead
- Red Team Member
- Penetration Tester

# Hacking is like... magic

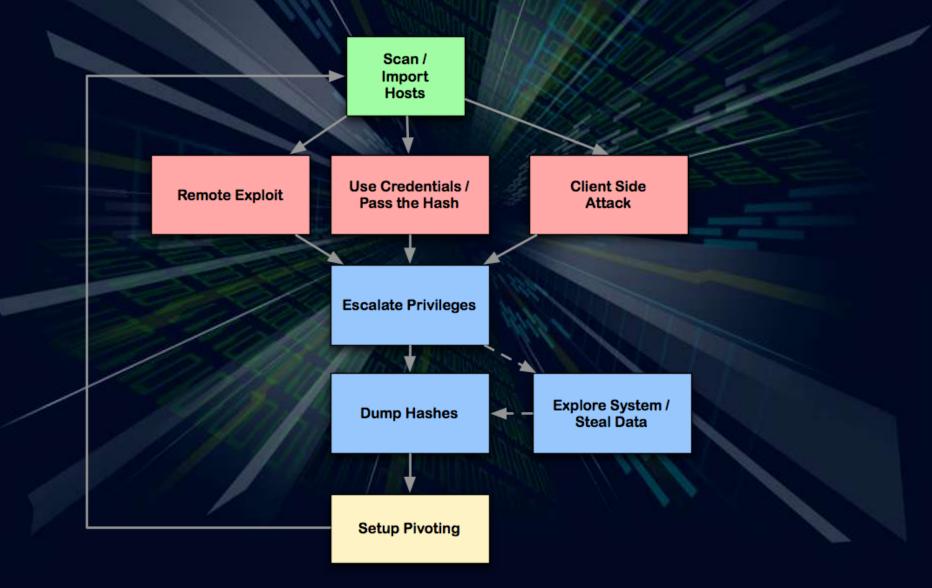


#### It's easier than you think...



Cartoon: XKCD by Randall Munroe: http://xkcd.com/538

## Hacking is a Process



# On Hacking

- It's like magic...
- It's easier than you think
- It's a process

#### Metasploit

 A Penetration Testing and Exploit Development Framework

http://www.metasploit.com



0 0 0 8 8 o8P .oPYo. .oPYo. .oPYo. 8 .oPYo. o8 o8P ooYoYo. .oPYo. .00008 Yb.. 8 8 8 Yb. 8 8' 8 8 800008 8 8 888 8 8 8 8 88. 8 888 8 R R YooP8 'YooP' 8YooP' 8 'YooP' 8 8 8 8 'Yooo' 8 8 ........ =[ msf v3.0 + -- --=[ 5 exploits - 72 payloads =[ 2 encoders - 2 nops <u>msf\_exploit(test/multi/aggressive) ></u> exploit -h Usage: exploit [options] Launches an exploitation attempt. OPTIONS: -e <opt> The payload encoder to use. If none is specified, ENCODER is used.  $-\mathbf{h}$ Help banner.  $-\mathbf{j}$ Run in the context of a job. The NOP generator to use. If none is specified, NOP is used. -n <opt> A comma separated list of options in VAR=VAL format. -o <opt> -p <opt> The payload to use. If none is specified, PAYLOAD is used. (opt) The target index to use. If none is specified, TARGET is used. -t Do not interact with the session after successful exploitation. -z msf exploit(test/multi/aggressive) > exploit -z [\*] Sending 124 byte payload... [\*] Sending stage (2838 bytes)
[\*] Sleeping before handling stage... [\*] Uploading DLL (73739 bytes)... [\*] Upload completed. [\*] Trying to use connection... [\*] Meterpreter session 1 opened <10.254.0.4:59360 -> 10.254.0.4:12345> [\*] Started logging session interaction. [\*] Session 1 created in the background. <u>msf exploit(test/multi/aggressive) ></u> session -1 Active sessions \_\_\_\_\_ Id Description Tunnel 1 Meterpreter 10.254.0.4:59360 -> 10.254.0.4:12345 <u>msf exploit(test/multi/aggressive) ></u> session -i 1 [\*] Starting interaction with 1... <u>meterpreter</u> > use stdapi Loading extension stdapi...success. meterpreter >

A GUI for Metasploit
Recommends exploits
Configures modules
Aids Post Exploitation
Friendly to Command-line Users

- A GUI for Metasploit
- Goal: Avoid this...

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#### Usable for your penetration tests?

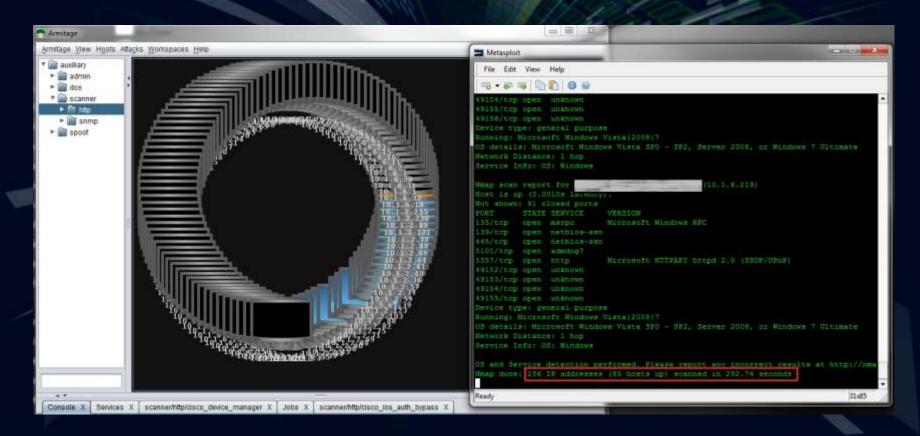


Image courtesy of @guerilla7 on Twitter.

#### Usable for your penetration tests

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#### Image courtesy of @guerilla7 on Twitter.

# Stop, Demo Time!

- Scanning
- Exploitation
- Post Exploitation
- Maneuver

# Today.

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- On Hacking...
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# Go get it...

- Website
  - http://www.fastandeasyhacking.com
- Twitter
  - @armitagehacker
- Email

– contact@fastandeasyhacking.com