



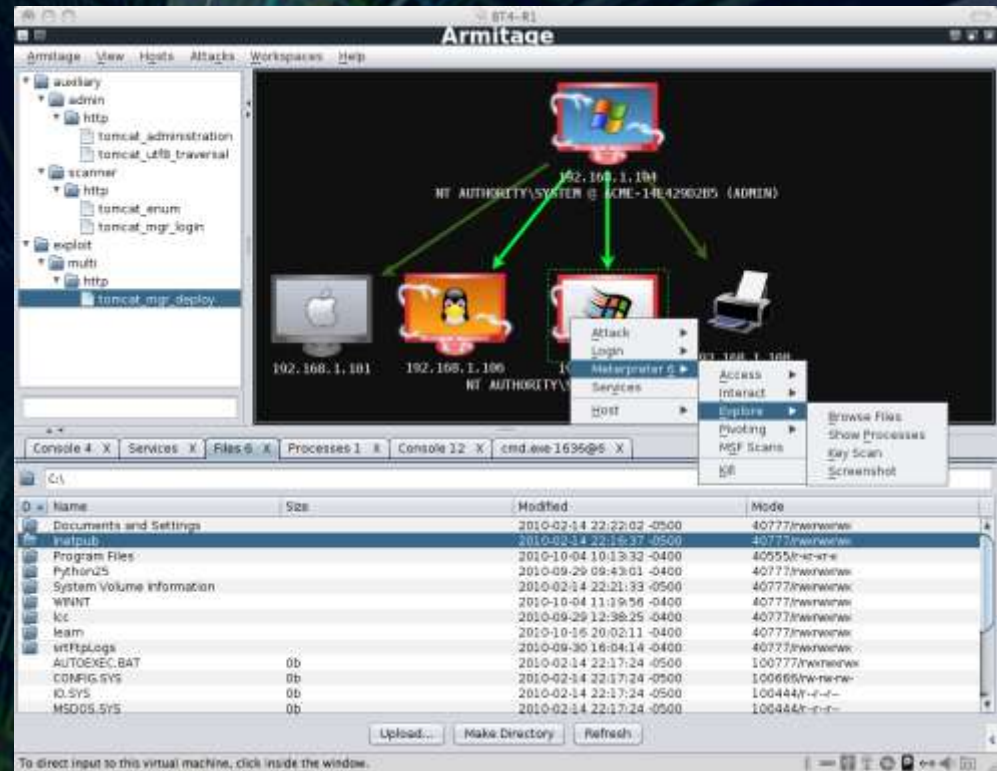
Cyber Attack for Management

The Armitage Project

ISSA DC / 18 Jan 11

Today...

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



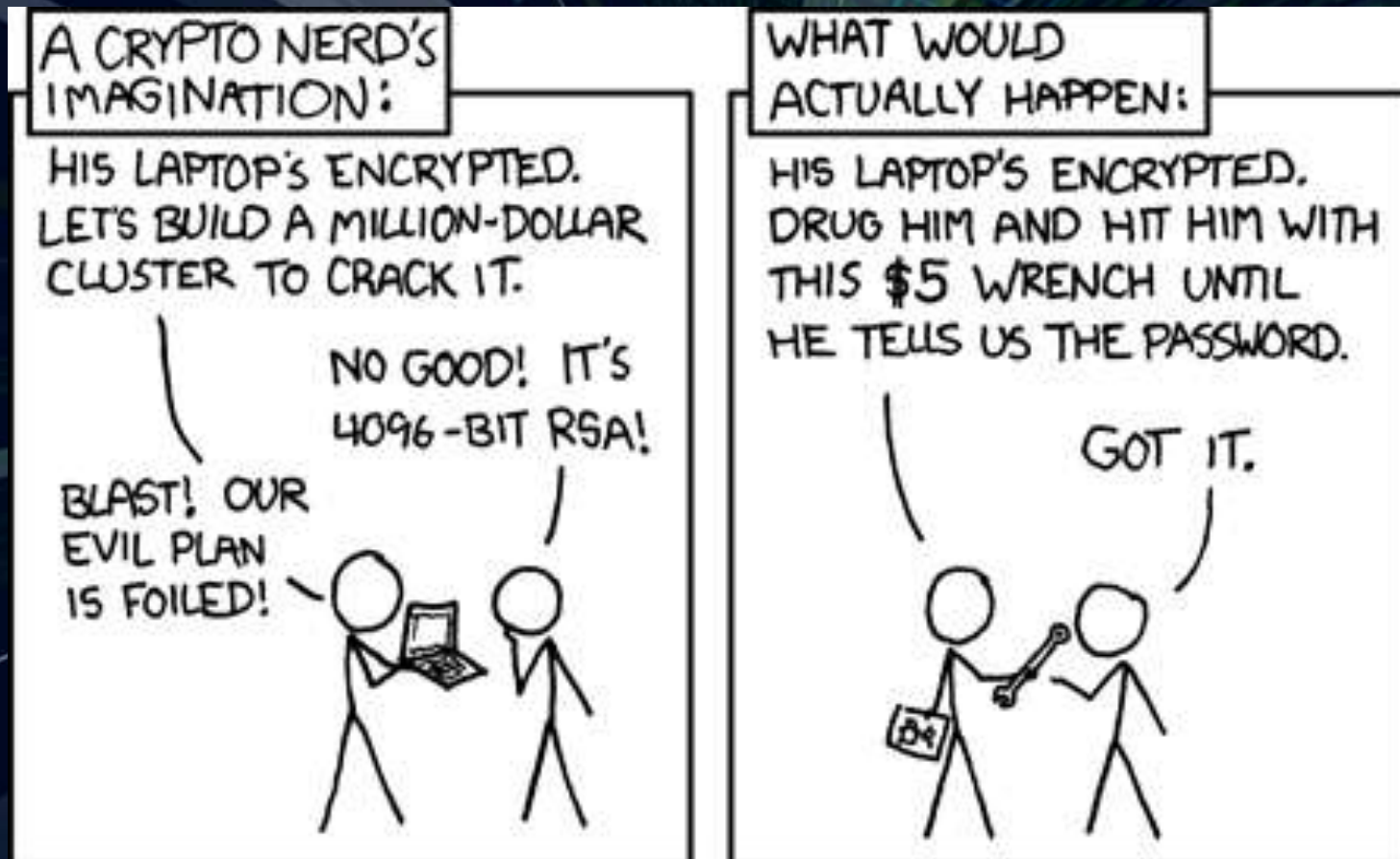
Your Speaker...

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

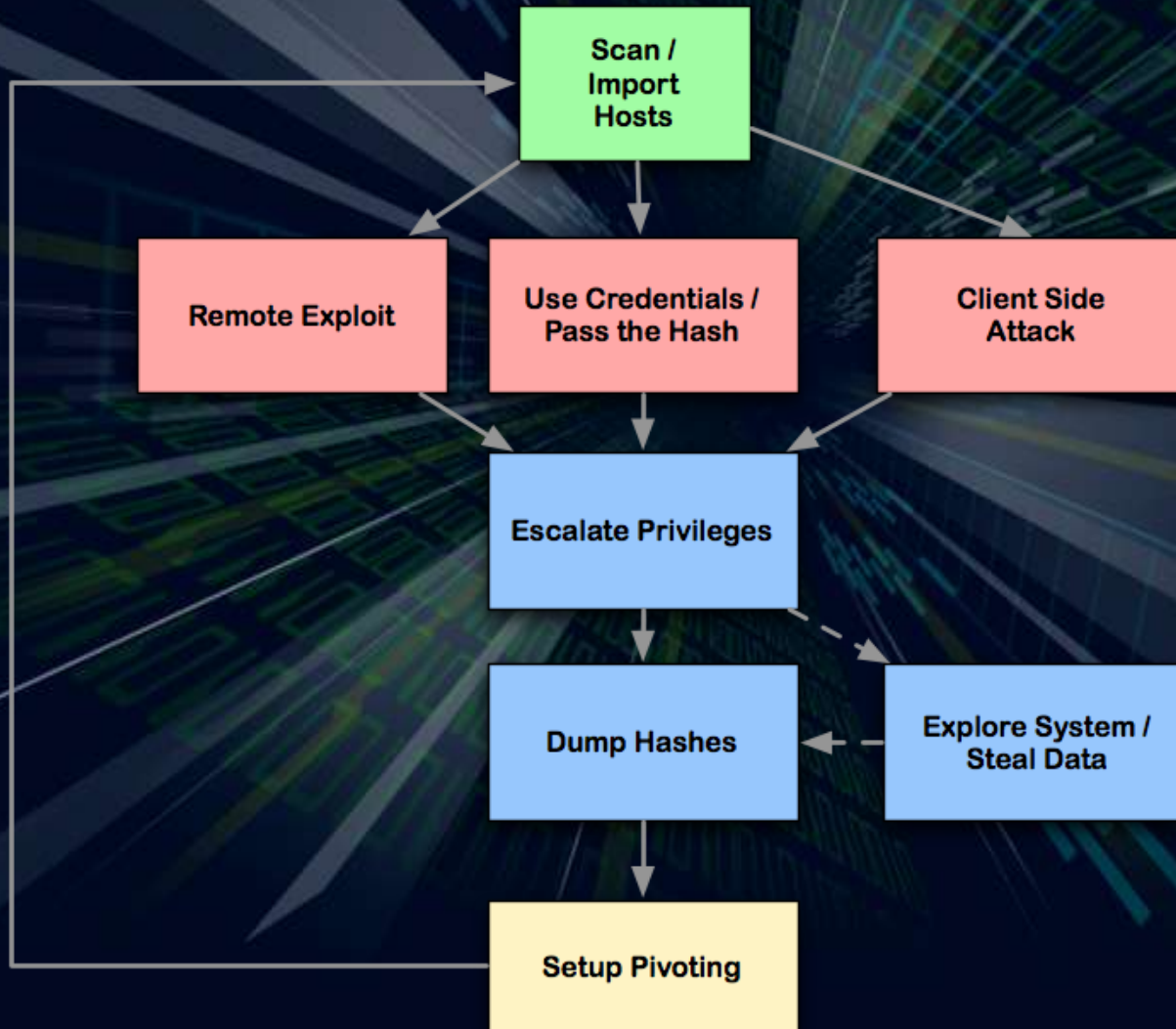
Hacking is like... magic



It's easier than you think...



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>




```

      o      8      o      o
      8      8      8      8
ooYoYo. .oPYo. o8P .oPYo. .oPYo. .oPYo. 8 .oPYo. o8 o8P
8' 8 8 8oooo8 8 .oooo8 Yh. 8 8 8 8 8 8 8
8 8 8 8 8 8 8 'Yh. 8 8 8 8 8 8 8 8
8 8 8 'Yooo' 8 'YooP8 'YooP' 8YooP' 8 'YooP' 8 8
.....:.....:.....:.....:.....:.....:.....:.....:.....:.....:
:.....:.....:.....:.....:.....:.....:.....:.....:.....:.....:
:.....:.....:.....:.....:.....:.....:.....:.....:.....:.....:

```

```

=[ msf v3.0
+ -- --=[ 5 exploits - 72 payloads
=[ 2 encoders - 2 nops

```

```

msf exploit(test/multi/aggressive) > exploit -h
Usage: exploit [options]

```

Launches an exploitation attempt.

OPTIONS:

- e <opt> The payload encoder to use. If none is specified, ENCODER is used.
- h Help banner.
- j Run in the context of a job.
- n <opt> The NOP generator to use. If none is specified, NOP is used.
- o <opt> A comma separated list of options in UAR=UAL format.
- p <opt> The payload to use. If none is specified, PAYLOAD is used.
- t <opt> The target index to use. If none is specified, TARGET is used.
- z Do not interact with the session after successful exploitation.

```

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.

```

```

msf exploit(test/multi/aggressive) > session -l

```

Active sessions

=====

Id	Description	Tunnel
1	Meterpreter	10.254.0.4:59360 -> 10.254.0.4:12345

```

msf exploit(test/multi/aggressive) > session -i 1
[*] Starting interaction with 1...

```

```

meterpreter > use stdapi
Loading extension stdapi...success.
meterpreter > █

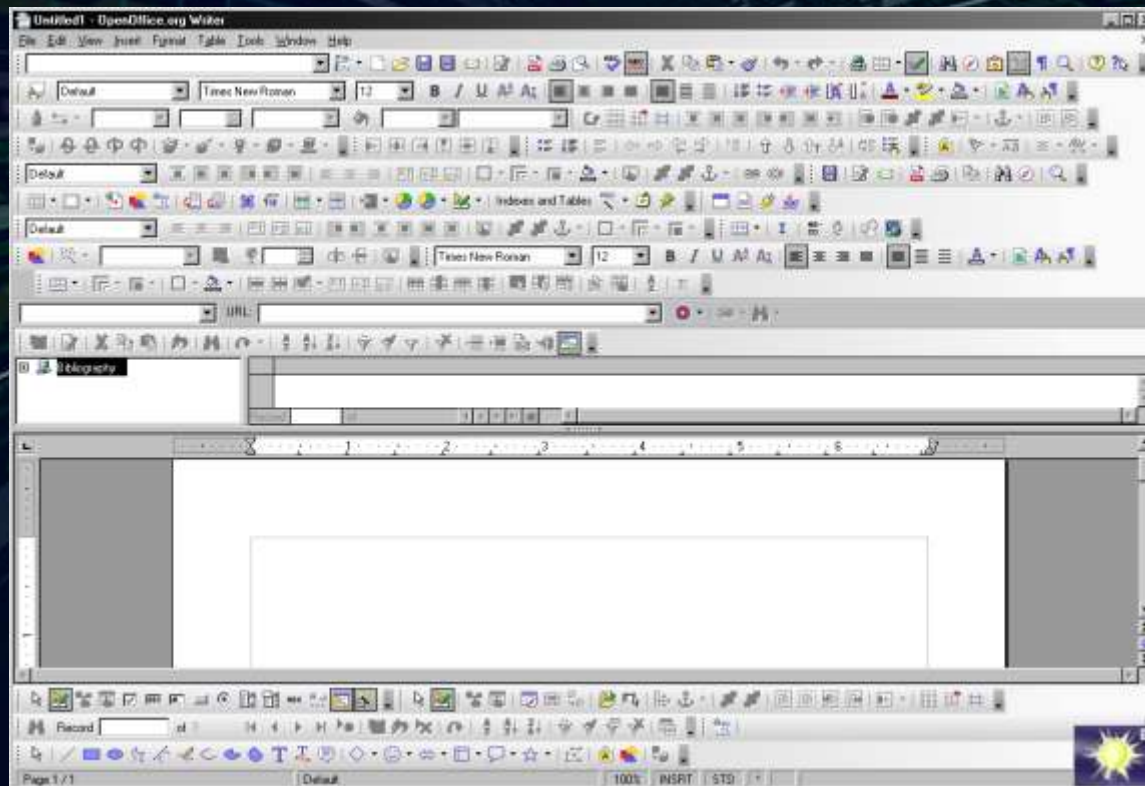
```

What is Armitage?

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

What is Armitage?

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



What is Armitage?

- Usable for your penetration tests?

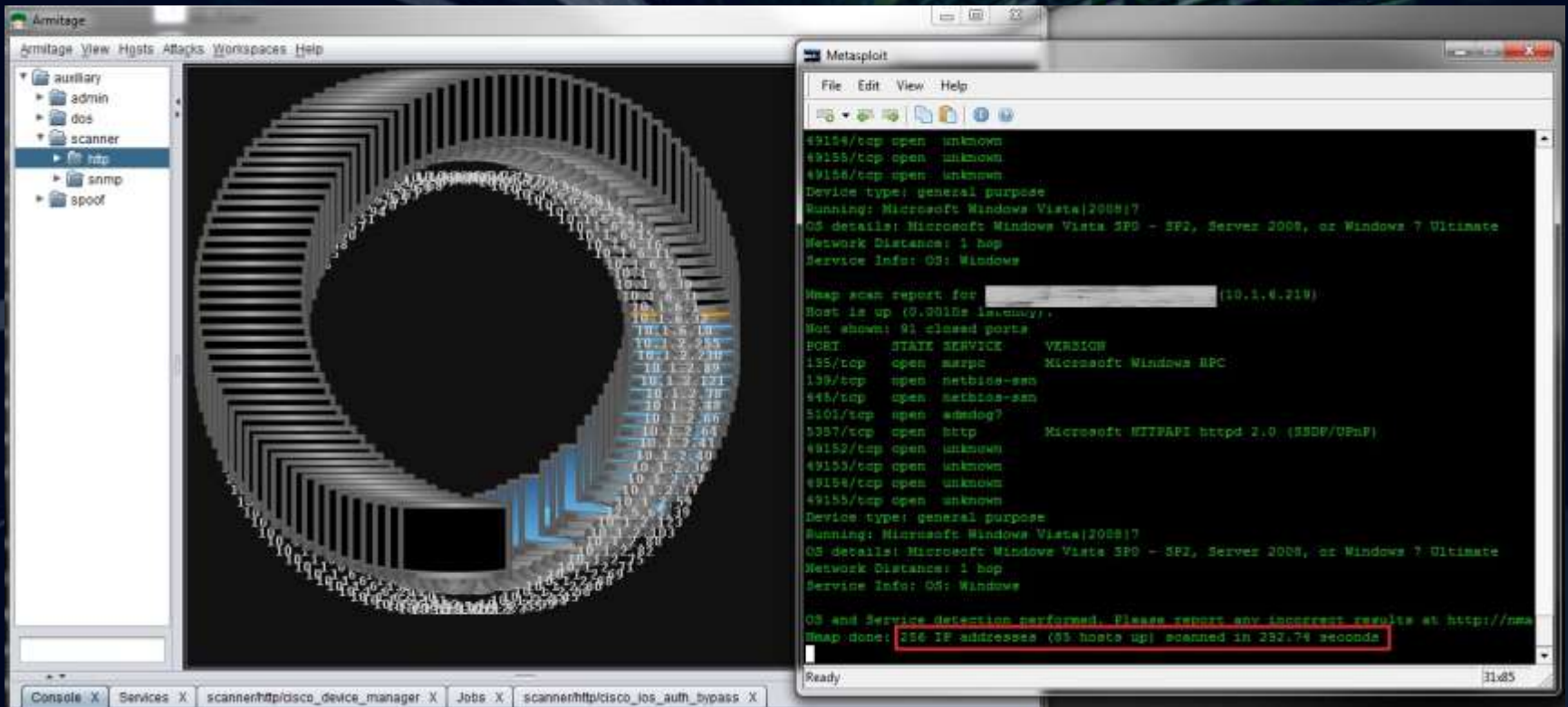


Image courtesy of @guerilla7 on Twitter.

What is Armitage?

- Usable for your penetration tests

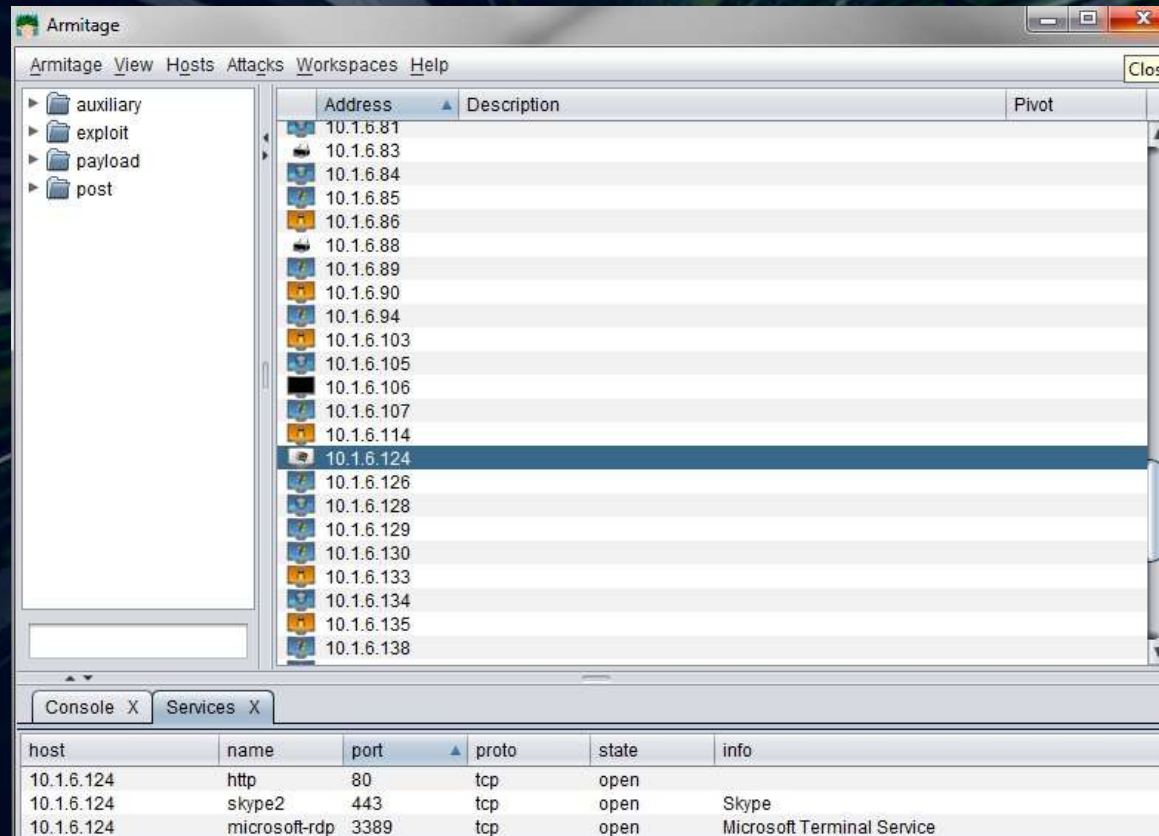


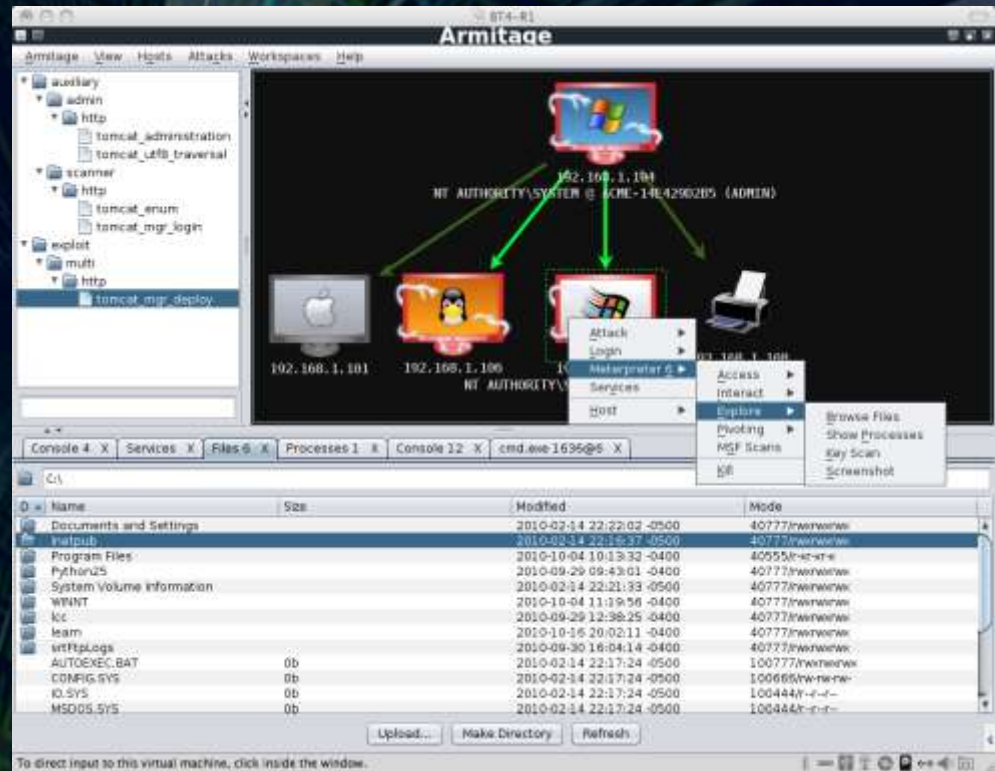
Image courtesy of @guerilla7 on Twitter.

Stop, Demo Time!

- Scanning
- Exploitation
- Post Exploitation
- Maneuver

Today...

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



Go get it...

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