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Reconnaissance

- Attacker gathers publicly available data
 - People
 - Corporate culture
 - Technologies in use
 - Terminology
- This is an important step as it will help focus later activities

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Inventory

- Maintain an inventory of what you find

 - Keep a log bogCreate a spreadsheetWhatever works for you
- Record key information
 - IP Addresses

 - Search queries used

 - Any passwords found

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More on Inventory

- Leave room to annotate future information that may be discovered as you go
- Examples:

 - Open ports from port scanning Search from compromised hosts

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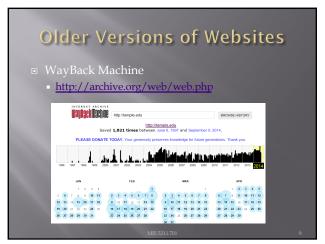
Competitive Intelligence

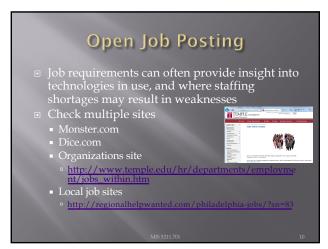
- Think like a business competitor

 - Lines of business
 Major products or services
 Who's in charge
 Officers
- Where are their physical locations
 Who are the major competitors in there market place
 The same kind of information you would gather for a job interview.

Search Engines	
 Don't just use Google Bing Yahoo Ask DuckDuckGo 	
 Duckbacked All search engines filter data, but they don't a filter the same way 	all
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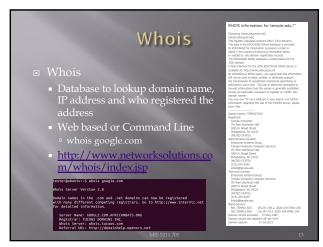


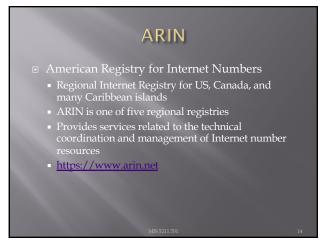




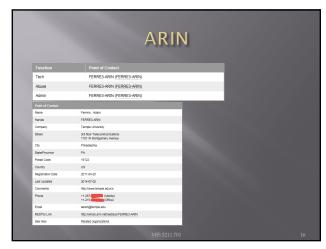


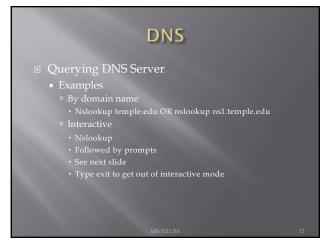


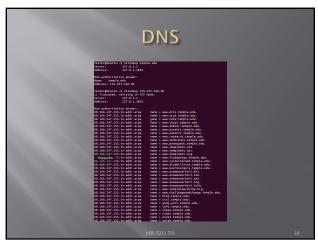












Dig (Domain Information Groper)

- The Dig command is used to gather additional DNS information
- May also be used to make zone transfers.
- Zone transfers may include details around other assets within an organization.
- □ CAUTION, don't go further then basic dig command on the next page as you may start triggering alerts in more security focused organizations.

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More on Dig

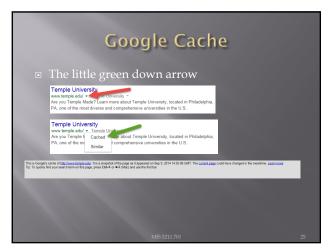
- http://www.thegeekstuff.com/2012/02/digcommand-examples/
- http://www.cyberciti.biz/faq/linux-unix-digcommand-examples-usage-syntax/

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Windows Dig Dig is available for windows 7 Site: https://help.dyn.com/how-to-use-binds-dig-tool/







Google Cache ■ &strip=1 - It's magic ■ Right click the cache button and copy shortcut ■ Paste short cut into notepad and append &strip=1 to the end ■ Copy and paste into URL ■ Now you get Google's cache without leaving a footprint in the target servers logs



■ With &strip=1	
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Ruby

- If interested in learning a bit about Ruby, try the below. This is **not** an assignment for the class. Just something you might find useful.
- Link to Language
 - https://www.ruby-lang.org/en/
- Link to Interactive Ruby Website
 - https://ruby.github.io/TryRuby/

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Due for Next Week

- 1st formal assignment
- - (student presentations) Reconnaissance exercise using only publicly available information, develop a profile of a public company or organization of your choosing
 Work Independently
 One to two page Executive Summary
 Short (no more then three slides, no welcome slide) presentation
 See "Exercise Analysis" tab for more details



