HackWarz v0.5

# To Do

* Install ESXi on all Blades in Chassis
* Drew - get updated installed software list (on Hackwarz image)
* Teams?
* Myles – VOIP
* Myles – Networking
* Create VMs
  + Place Tokens (8 character hex?)
    - Assign points for each token based on difficulty
  + Develop hints

# Known Information

* Rough time frame of event late November to early December
* Planned event duration: 4 hours
* Hosted at LCE in either Ashley or Cooper conference rooms
* Capacity for <25 people per room
* Using customized Ubuntu image
  + Incorporates iTALC
* Hardware available:
  + Minimum of 3 1U servers available (120V power, ~20A including switch and routers, should be on own circuit)
  + 1ea wireless router (WEP/WPA/WPA2/open)
  + 24 port GB switch
  + 10 Blade Chassis (240V power, ~20-30A, should be on own circuit)
  + Gigabit Router (for separating wifi and wired traffic?)

# Registration/Scoring Web Application (DeathStar, SKYNET, etc)

* Apache 2.2
* Apache Tomcat 7.29
* Java SE 1.7 u6 w/ JavaFX 2.2
* Java 6 EE
* Derby Database?
* Hibernate?
* 192.168.1.x with Endian Gateway @ 192.168.1.1 or 192.168.1.10
* Registration Page
  + Populates Database (Derby) with user credentials
* Scoreboard Page
  + Displays point values for registered users
  + Table format?
  + Color Gauges (Red to Green)?
* Token Submission Page
  + Tabbed interface?
    - Different controls to handle different types of tokens: IP’s, MAC Addresses, Usernames, Passwords, Messages, Hash Values, Etc.
  + Play sounds on token submission
    - Random sound pool of Star Wars/Space Balls related quotes
    - Token Accepted/Rejected based sounds
* Additional Graphics/CSS Work
* Split Panes?
* Visual representation of progress
* Login to submit “keys” for successful hacks
* SiteShow – Switch between users’ scoring/progress

# Hint System

* Automated hints per hour or similar
* Manual hints in exchange for points gained from successful hacks
* Finite hints per event?

# VMs/Vulnerabilities

* Microsoft
  + Windows XP SP0
  + Windows 7
* Linux
  + Ubuntu
  + CentOS
  + Damn Insecure Linux
* Applications/Services/Misc
  + DNS (zone transfer hack? Txt record?)
  + SSH
  + SMTP (leave unsent email in relay w/ token?)
  + Damn Vulnerable Web App
  + IIS
  + FTP
  + MySQL
  + telnet
  + VOIP (VOIP Emulator?)
  + “motd”

# Future

* Mystery Challenge
  + Not too complicated. Ideas?
* Arduinos/Parallax
  + Pricing ~ $50?
* Badges/Shirts
  + Ideas?
* Lock Picking
  + Locked Boxes
    - Requiring CMOS reset to clear BIOS PW to change boot order
    - Points to individual for gaining access for everyone
    - After boxes are available, hacking free for all
* Android Scoring/Progress App
* Possibly a max of one “non-pure-hacking” skill per event (ie: lockpicking, hardware, network sniffing, etc)
* WIFI – Current difficulty is getting image to work with wide range of hardware for wifi cracking.
* Layered Firewalls
  + Firewalk or something else to circumvent?
* Cisco
* Cloned environments to divide network traffic? Could be grouped by teams or just physical location within event.