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Computing Security @ Carnegie Mellon University

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Start with the Basics

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- Patching
- Antivirus and anti-malware software
- Strong passwords
- Be aware of Theft
  - (Computer, Account)
- Back up your data
- Read our Policies and Guidelines
- Take advantage of our tools:
  - Identity Finder, Anti-Phishing Phil, Anti-Phishing Phyllis, ISO Patch-Check

What's infecting the Campus now

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- Fake A/V – fake antivirus that ties up the system with pop-ups, sometimes installs backdoors or other malware.
- Zbot/Zeus - acquired from phish messages, causes spamming, steals banking credentials.
- Torpig – identity stealer, reboots the computer, lodges in the MBR, hidden.

Why are computers getting compromised?

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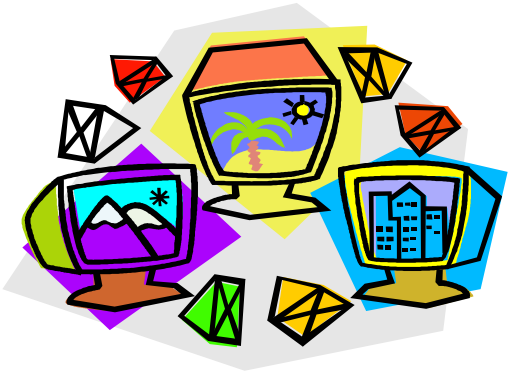
- Unpatched Java, Adobe Reader and Adobe Flash.
- Rotating web-ads are often involved.
- Downloading exploits with P2P.
- Clicking on e-mail objects.
- Clicking on pop-up windows
- Passing around infected USBs.



Be Afraid

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- CMU is a big target (reputation).
- People inside are always trying out new hacker tools on this network.
- People from other countries want your credentials to get Library/other resources.
- 51% of students participating in a phish study fell for phishing attempts on day one (IDtheft study, 4/2009).

A Few Words About Phishing…

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- Computing Services will NEVER ask for your password
- Notices from Computing Services will always come from a valid Carnegie Mellon email address
- General announcements can be verified at:

  http:www.cmu.edu/computing/news

What ISO Sees

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- Signatures, flows, logs.
- Only the most egregious stuff, and not all of it.
- Events and incidents reported to us.
- We pay much more attention to administrative systems.

What you can do

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- Take advantage of the antivirus/anti-malware software on Computing Services's site:
  http://www.cmu.edu/computing/software/all/index.html
- Take advantage of the ISO Patch-Check tool
  https://www.cmu.edu/iso/patch-check/
- Follow the polices and guidelines
- Be careful with "course software" and projects
- Register your computer with the CMU Police
  http://www.cmu.edu/police/programsandservices/crime-prevention.html

Questions?

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Information Security Office (ISO)
iso@andrew.cmu.edu
www.cmu.edu/iso
Computing Services Help Center: 412-268-4357