

Stony Brook University CSE/ISE 311: Systems Administration

Windows Installation

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Today's Lecture

- Walk through Windows 7 Installation
- Will do this in a virtual machine
 - Emulates hardware in a software environment
- Same process on a physical machine
 - Put the DVD in the drive, select "boot from DVD"

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Other ways to install

- Flash Drive
- Network boot
 - Pre-eXecution Environment (PXE): downloads a small kernel using DHCP network protocol
 - Small kernel basically downloads installer and runs it
 - Requires setting up a fairly sophisticated server
 - E.g., system imager

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Disk Setup

- Automated in this install
- Generally, one needs to set up partition tables on the disk
 - Basically, divide up the raw space into different logical devices (can split one physical disk into C and D drives)
- Simplest model: allocate the whole disk to windows C drive
 - You once could choose between FAT32 and NTFS
 - Looks like NTFS is the only option now

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Activation

- Windows has pretty aggressive anti-piracy checks
- Eventually, Windows will stop working until it is activated
- A key has to be activated by phoning home to Microsoft
 - A key can only be activated ~5 times without having to personally call and explain yourself

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Auto-Update?


- Probably a good idea unless you have very limited bandwidth

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Clock?


- Always Pacific Time...

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Network Type?

- Home, public, work?
- This basically affects firewall rules and how much connection from other computers are trusted

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After Basic Install

- Apply all updates and patches IMMEDIATELY
- Install anti-virus and enable firewall
 - Microsoft Security Essentials good enough and free
- In a VMware VM, install VMware tools
