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”

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

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

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

Auto-Update?

• Probably a good idea unless you have very limited bandwidth

Windows Installation
Don Porter
### Clock?
- Always Pacific Time...

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

### 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