Add PC capability to your Mac
Bootcamp and Parallels

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Introduction

- Your mac can run OS/X and Windows 7
- Windows 7 can be downloaded while you are in an ISOM class for free
- Bootcamp allows you to have two operating systems on your mac and choose which to run
- Additional software allows you to run OS/X and Win7 simultaneously
- NOTE: In order to do this, you will need the OS/X DVD that came with your mac
Overview of steps

- Back up your mac
- Get Windows 7
- Make an installable Win7 DVD
- Format a partition on your mac for Win7
- Install Win7
- (optional) Install Parallels or VMWare Fusion

Get Windows 7

- Being in an ISOM class allows you to participate in the MSDN Academic Alliance
- Go to the website for Emory
  - http://msdn.e-academy.com/emory_dia
- You will need a user id and password
- Try your GBS email, first_last@bus.emory.edu
- If you know your password, enter it, or click on Login Help
- That will have your password emailed to you
- No email? Go to the ITS office on the 4th floor
Get Windows 7

- Once you're logged on, click on Software to see all the things you can get
- Some are free, some are inexpensive
- Click on Windows 7 Professional
- Click on Add to Cart
- Choose the download option
- Checkout and answer all the questions

Get Windows 7

- At this point, the software center will want to download a PC executable file called Downloader_for_Windows_7
- You cannot run this program on your mac, so you can use the PCs in the GBS lab if you want.
- Click on "download" in your order
- Choose the option to save the file and choose where to save it
- Once this program is downloaded, run the program and it will download a 2.5GB file with Win7
- This file will have the extension .iso, and is an image of a bootable Win7 DVD, but it is not bootable as it is
DVD to install Windows 7

- The ISO file you saved can now be moved to your mac via a thumb drive or writeable DVD.
- This file needs to be converted into a bootable DVD.
- Insert a blank DVD (not a CD) in your mac.
- Start the Disk Utility application, found in Applications subfolder Utilities.
- From the file menu choose Open Disk Image.
- Find the ISO file you save and select it.
- Click the Burn button - follow those instructions.
- Here is a good website with detailed instructions:

Partition your mac

- So far nothing you have done will affect your mac.
- The next step will.
- It seems that you can "undo" this, but make sure you have read through everything else before you start.
- If you mess this up too much, you'll be visiting the Apple Genius Bar...
Partition your mac

► Download and read both of these articles
► The first is "official" Apple documentation
► The second is quite good and is a bit more directed at just creating a bootcamp partition (one giant URL)


http://www.simplehelp.net/2009/01/15/
using-boot-camp-to-install-windows-7-on-your-mac-
the-complete-walkthrough/

Partition your mac - overview

► Go to Applications and the subfolder Utilities
► Run the Boot Camp Assistant
► Choose how to divide your disk (I suggest 32GB)
► Click Partition
► After some work, you'll have a new "drive" on your desktop called BOOTCAMP
► Take a deep breath
Install Win7

- Insert the Win7 DVD
- Click Start Installation
- The computer will reboot and then ask you where you want to install Windows
- This is important so be careful - you can kill OS/X right now

Choose the BOOTCAMP partition
- If you choose the wrong partition, whatever is there will be overwritten
- Click on Drive options (advanced)
- You MUST do this to proceed (you can’t click Next)
- Click Format (this creates a windows file structure)
- This is pretty quick, then click Next
Install Win7

▶ Now is the long boring part
▶ It will ask you for things every now and then, but it will want you to answer questions now and then
▶ Once the mac reboots into Win7, you'll be asked about the language, keyboard, etc.
▶ Remove the Win7 DVD somewhere in here

▶ Win7 will reboot again and check for updates
▶ This can take a while
▶ Once all the installing and rebooting is done, you will be almost done - you need to add drivers for your mac
▶ While you are still running Win7, insert your OS/X DVD that you got with your computer
Install Win7

► When the computer spins up the DVD, you will get the option to Run setup.exe
► Click this and Boot Camp installer will start
► Read the license agreement and click next
► Make sure the Apple software update for Windows check box has a check and then click install
► Drivers for Win7 that control your mac will be loaded
► Remove your OS/X DVD while this is working
► When prompted, allow the system to reboot
► Win7 will look a lot better now (graphics drivers are installed)

► That's it!
Using Win7 or OS/X

- Shutdown or restart your computer
- While it is starting up, hold down the option key
- You will then see two drives, one for OS/X and one for Windows
- Choose what you want to use
- Your computer is now a dedicated mac, or a dedicated Win7 PC
- You will be able to see and work with the files in either partition from either operating system

Parallels or VMWare Fusion

- These are third party emulation packages that cost money
- They have installation procedures
- They can be installed without Boot Camp
- If you do Boot Camp, you can install the emulator so that it uses the boot camp partition
- Then you can run the same software "inside" OS/X or as a dedicated PC.