

## System Administration Intermediate/Advanced Section

Week1 Notes: Intro

	Linux/UNIX	Windows
Learning Curve	Exponential	Linear
Producer	Community of nerds	One of world's biggest corporations
Accessability of code	Open-Source	Closed Source
Price	FREE	\$299 Windows XP + \$299 Office + etc
Main Web Server	Apache	Internet Information Services

Why should you learn Linux:

- Learn an alternative OS for home/work/etc
- A lot of businesses are moving to Linux
- Gain a more in-depth understanding of the computer, network, OS
- Become familiar with latest technologies while they are being developed
- Make more money as a system administrator (than for Windows)

Reasons why you should start using Linux:

1. Does not crash
2. Very few viruses/spyware
3. Works on ANY hardware
4. Freedom to choose any application
5. Ton of free cool applications
6. Because you hate Bill Gates

Partly taken from Tux Magazine.

### Brief History of UNIX

- In 1960s MIT, Bell Labs, and GE worked on Multics
- Ken Thompson (Berkeley alum) decided to continue working on the project with Dennis Ritchie after Bell Labs dropped support
- Developed Unics = Uniplexed Information and Computing System
- 1980s when Berkeley develops its own flavor of UNIX = BSD with TCI/IP networking with Bill Joy doing a lot of work (Joy went on to found SUN in 1983)

- 1983 Richard Stallman founds GNU (GNU Not Unix) to write an OS composed entirely of free software
- 1990s rights to source code change hands
- 1991 - Linus Torvalds begins working on a new kernel and successfully uses GNU tools to create a new and complete OS