

Lecture 1 - Module 1: Linux Shell

Monday, September 14, 2015

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Shell: What is a shell? What do you do with a shell?

- Interface to the operating system

Graphical Shell:

- Intuitive to use
- Difficult to do things that it is not designed for

Command-line Shell:

- Command prompt
- Blank screen - type commands and press enter
- Not intuitive - steep learning curve
- Absolutely brilliant and powerful

Linux Shell:

- Original shell for Unix was created by Stephen Bourne called The Shell (later called Bourne Shell)
- Other popular shells
 - C shell (csh) -> Turbo C Shell (tcsh)
 - Korn Shell
- Bourne Again Shell (bash) is the *upgraded* version of the original Unix shell
- `echo $0` to check which shell you're using

Linux File System:

- Tree structure of files
- Directories: files that can contain other files
- Ordinary file: file that is not a directory
- Root directory (/)
 - Spreads out from root directory to other files/directories
 - Can specify any file by its absolute path (from root directory)

Look up what **cd** and **pwd** does.