
IT 1100 : Introduction to Operating Systems

Chapter 1

Terms

Shell is the wrapper around our connection. Basically it is the shell in which we will type our commands.

Bash is the language of our commands that the shell uses. It stands for Bourne Again Shell.

Terminal is the program used to open/view the Shell which speaks in the Bash language. Software now does what hardware used to do. Terminal, TTY and Console used to mean pretty much the same thing.

Terms

TTY stands for teletype. It is our literal input connection that allows us to send commands to a computer. Such as a keyboard, mouse and other serial devices.

PTS stands for pseudo-teletype. It is a pseudo input connection that allows us to send commands to a computer. It acts like a physical connection without being directly connected. Such as an **SSH** connection.

Virtual Console allows us to have multiple desktops on one machine. To switch between virtual consoles in a Linux GUI it is ctrl+Alt+Fn (Alt + F7 is the default console)

Let's Begin

Most of your homework will be completed through a terminal and on the Linux computer called `scratch`.

Instructions to access this machine from any computer are provided in the Canvas page called **SSH Connect From Home**.

Shell commands

- Type some gibberish at the shell
- Up arrow for command history
- Left and right arrow keys to edit command
- `date`, `cal`, `exit`