Welcome to Shell

The Command Line Interface to the Linux Operating System

What You Will Learn

- What the shell is.
- How to access the shell.
- What the superuser account is.

What Is the Shell?

• The default interface to Linux

Last login: Sun Feb 2 19:27:15 2014 from 192.168.122.1

[jason@macdesktop ~]\$ ssh linuxsvr

jason@192.168.122.60's password:

[jason@linuxsvr ~]\$

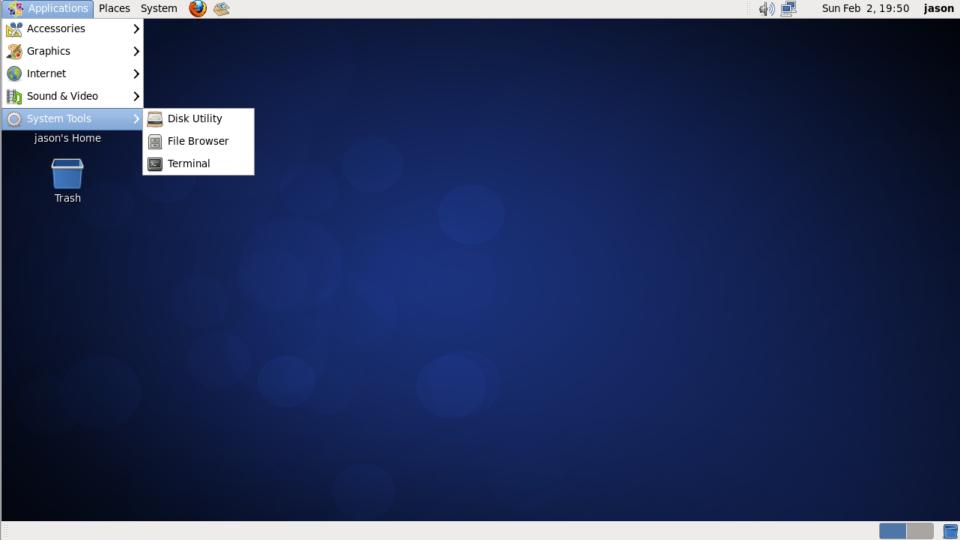
CentOS release 6.5 (Final)

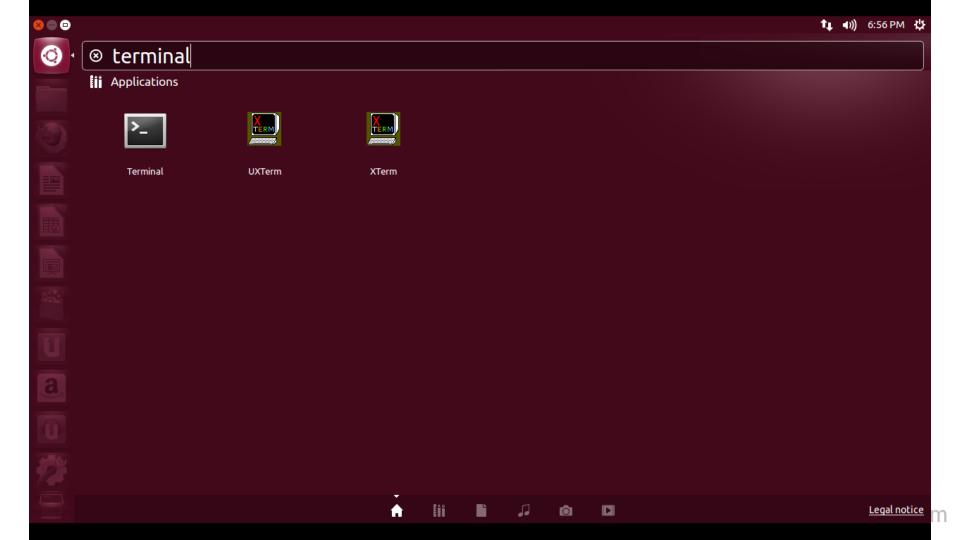
linuxsvr login: jason

[jason@linuxsvr ~1\$

Password:

Kernel 2.6.32-431.el6.i686 on an i686





What Is the Shell?

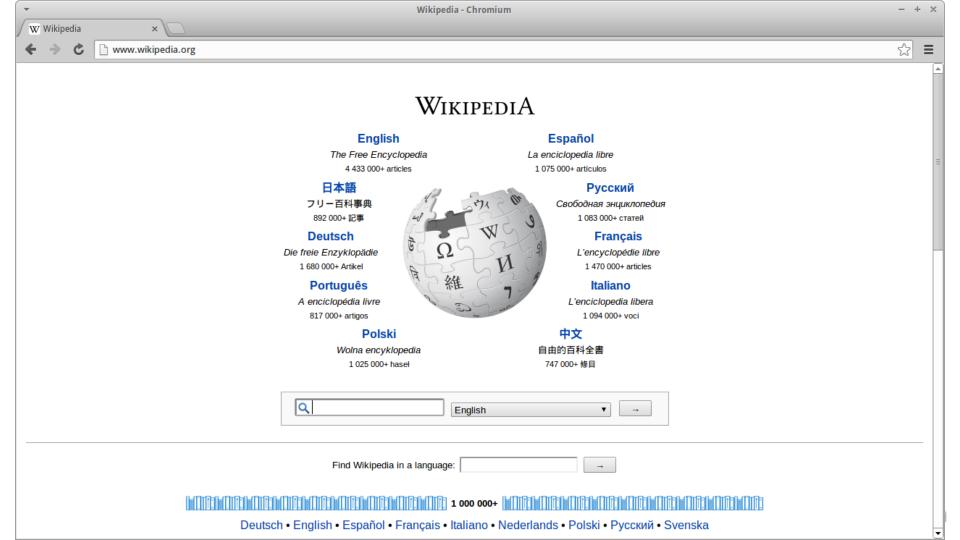
- The default interface to Linux
- A program that accepts your commands and executes those commands

What Is the Shell?

- The default interface to Linux
- A program that accepts your commands and executes those commands
- Also called a command line interpreter

Command Line Interface vs a GUI

- The command line is more powerful.
- There will always be a command line.
- Server distributions do not include GUIs.
- Desktop distributions have GUIs and CLIs.



```
iason@linuxsvr:~
                                                                        Wikipedia (pl of 6)
                                        WikipediA
  English
  The Free Encyclopedia
  4 433 000+ articles
  Español
  La enciclopedia libre
  1 075 000+ artículos
  日本語
  フリー百科事典
  892 000+ 記事
  Русский
  Свободная энциклопедия
  1 083 000+ статей
  Deutsch
  Die freie Enzyklopädie
  1 680 000+ Artikel
  Français
  L'encyclopédie libre
  1 470 000+ articles
-- press space for next page --
 Arrow keys: Up and Down to move. Right to follow a link; Left to go back.
H)elp O)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list
```

The Prompt

```
[jason@linuxsvr ~]$
```

The Prompt

```
[jason@linuxsvr ~]$
```

```
[root@linuxsvr:~]#
```

Root, the Superuser

- Root is all powerful.
- Normal accounts can only do a subset of the things root can do.

Root, the Superuser

- Root access is typically restricted to system administrators.
- Root access may be required to to install, start, or stop an application.
- Day to day activities will be performed using a normal account.

The Prompt

```
jason@linuxsvr $
[jason@linuxsvr /tmp]$
linuxsvr:/home/jason>
jason@linuxsvr:~>
[16:45:51 linuxsvr ~]$
```

Tilde Expansion

~jason = /home/jason
~pat = /home/pat
~root = /root
~ftp = /srv/ftp

Multi-Line Prompts

```
linuxsvr:[/home/jason]
$

[Mon 14/02/18 18:22 EST][pts/0]
<jason@linuxsvr:~>
zsh 14 %
```

Summary

- The shell is the default user interface.
- Use the terminal application to get to the CLI.
- Shell prompts can vary greatly in appearance.
- Root is the superuser.