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

```
[jason@macdesktop ~]$ ssh linuxsvr
jason@192.168.122.60's password:
Last login: Sun Feb  2 19:27:15 2014 from 192.168.122.1
[jason@linuxsvr ~]$ 
```

```
CentOS release 6.5 (Final)
Kernel 2.6.32-431.el6.i686 on an i686

linuxsvr login: jason
Password:
[jason@linuxsvr ~]$
```

Accessories

Graphics

Internet

Sound & Video

System Tools

- Disk Utility
- File Browser
- Terminal

jason's Home

Trash

Applications

Terminal

UXTerm

XTerm

Legal notice
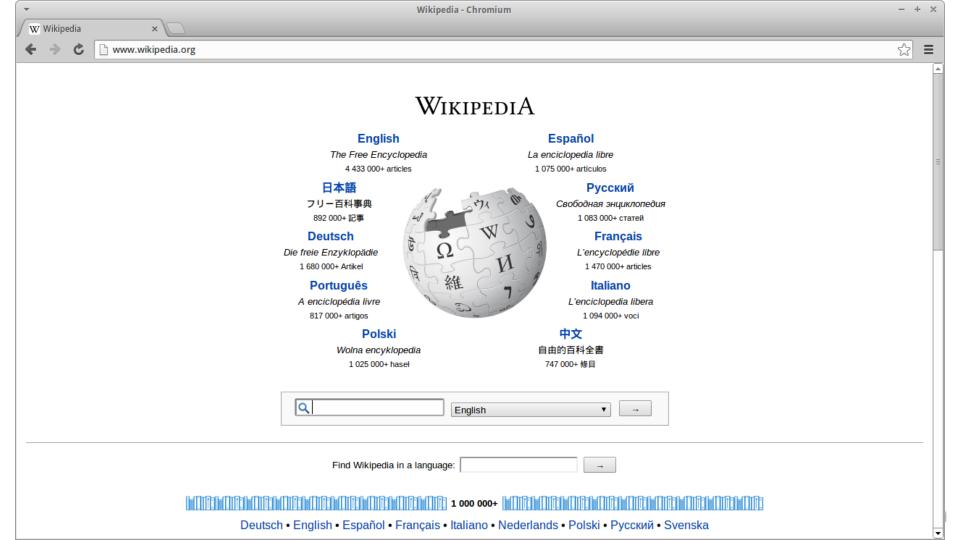
What Is the Shell?

- 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.

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-- 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.

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