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: Tue Feb 7 12:55:03 2023 from 192.168.1.32

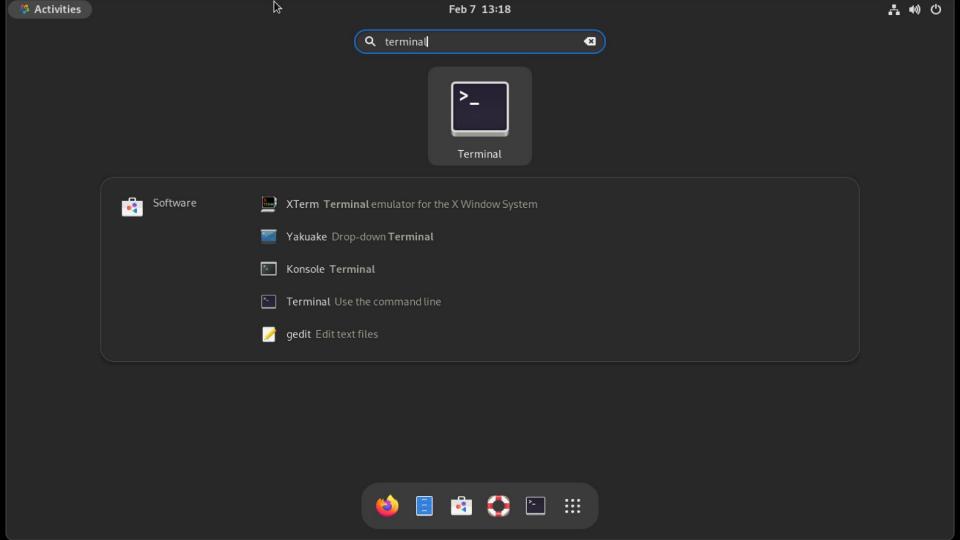
[jason@mac ~]\$ ssh linuxsvr

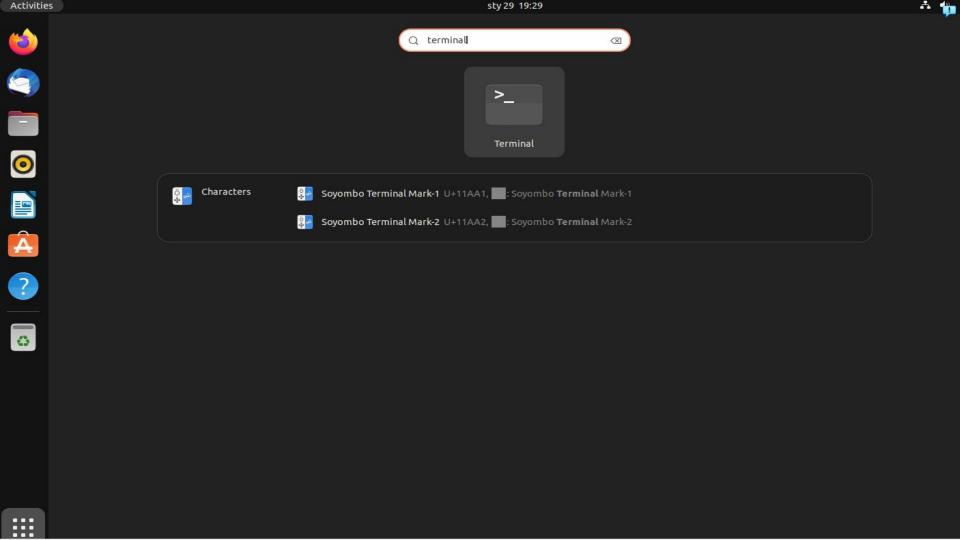
[jason@linuxsvr ~]\$

AlmaLinux 9.1 (Lime Lynx)
Kernel 5.14.0-162.6.1.el9 1.aarch64 on an aarch64

Activate the web console with: systematl enable -- now cockpit.socket

localhost login: jason Password:





What Is the Shell?

 A program that accepts your commands and executes those commands.

Also called a command line interpreter.

The default interface to Linux.

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.
- Connect over Network.
- Desktop distributions have GUIs and CLIs.



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Search Wikipedia _____ Finglish_____

(BUTTON) Search

(BUTTON) Read Wikipedia in your language

(NORMAL LINK) Use right-arrow or <return> to activate.

Arrow keys: Up and Down to move. Right to follow a link; Left to go back. H)elp 0)ptions P)rint G)o M)ain screen Q)uit /=search [delete]=history list

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 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 = /var/ftp
```

Multi-Line Prompts

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

[Mon 30/01/23 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.