



Linux Plus for AWS and DevOps



CLARUSWAY
WAY TO REINVENT YOURSELF

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- ▶ What We Learn
- ▶ Getting Help
- ▶ Text Editors
- ▶ File Management



1

What We Learn

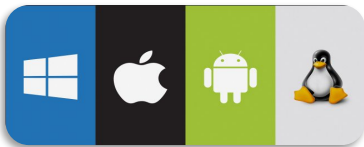


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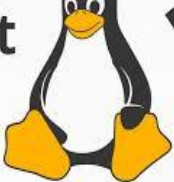


What is Linux?

- Free
- Open-Source
- OS



What
is



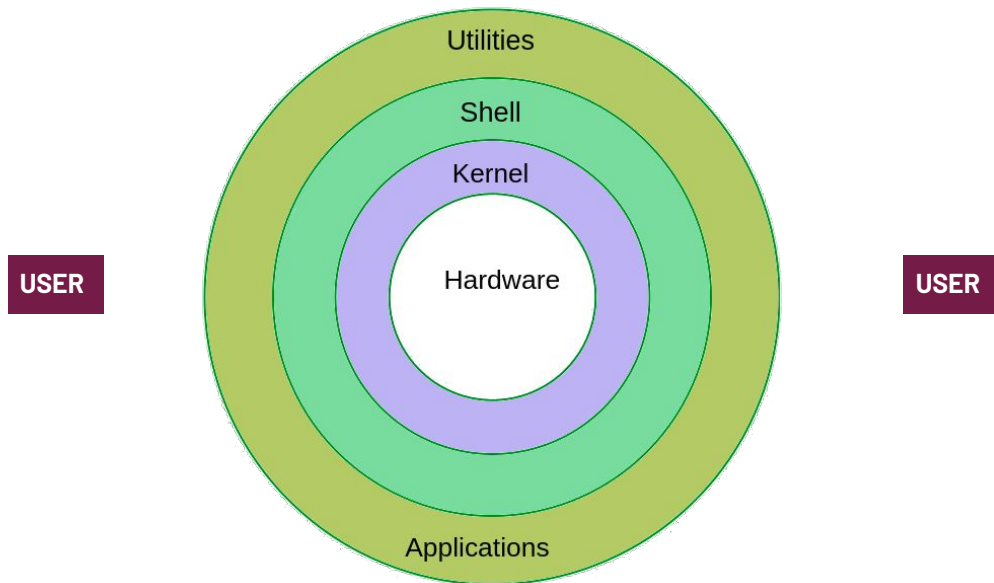
?



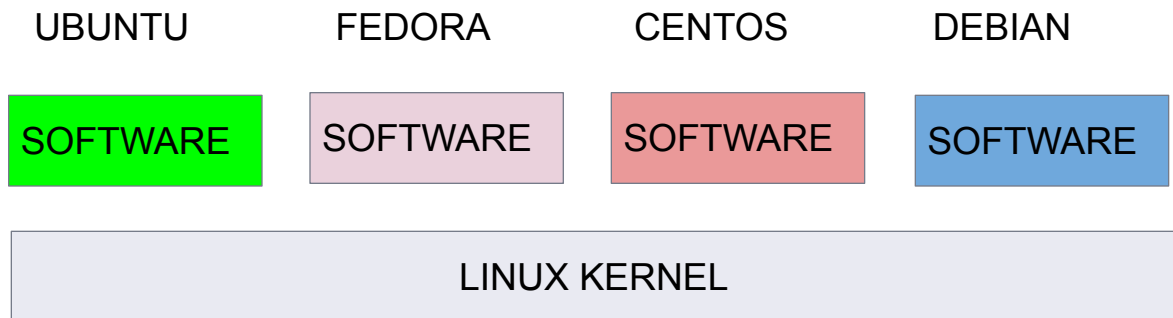
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Components of Linux



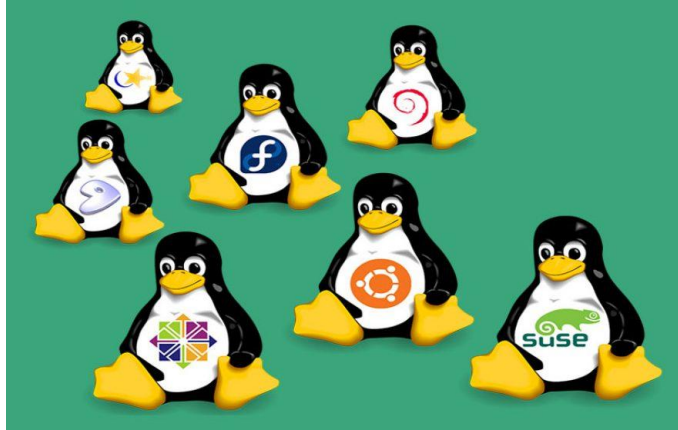
What is Linux Distributions





Popular Linux Distributions

- [Debian](#)
- [Ubuntu](#)
- [Mint](#)
- [Manjaro](#)
- [openSUSE](#)
- [RedHat](#)
- [Fedora](#)



Using Linux on Different Platforms

Linux Alternatives



Linux Alternatives

Linux Distro on Virtual Machines

MacOS/Windows

Windows

<https://www.virtualbox.org/wiki/Downloads>



ORACLE
VM
VirtualBox



<https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>



Linux Alternatives

Linux Distro on Virtual Machines



<https://ubuntu.com/download/desktop>



<https://www.debian.org/distrib/netinst>



ORACLE
VM
VirtualBox



VMware Player

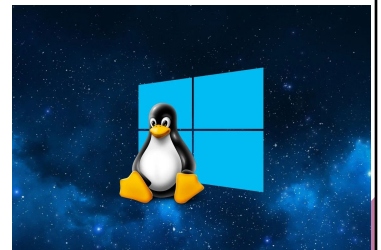
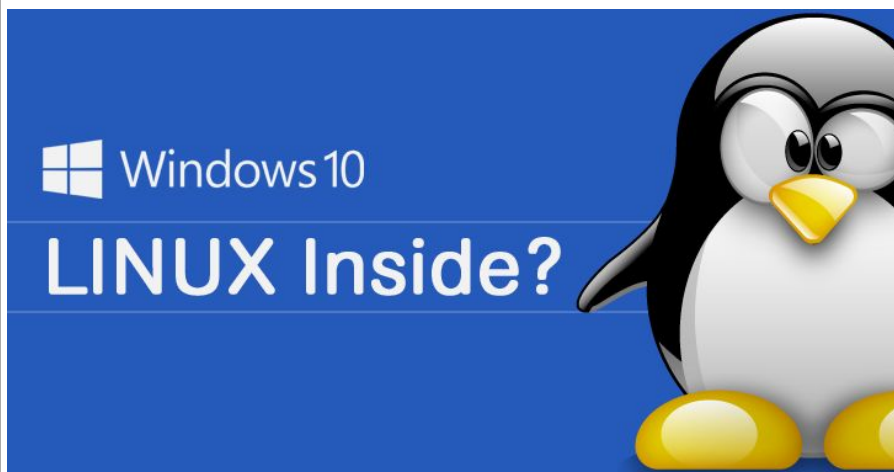
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Linux Alternatives

WSL





Linux Alternatives

LMS: Try it

The screenshot shows the CLARUSWAY LMS interface. The left sidebar contains a navigation menu with items like Linux, Participants, Badges, Competencies, Grades, General, Course Overview, Introduction of Linux, Major Open-Source Applications, Open-Source Software and Licensing, How to install and run Linux? (Optional), **Command Line Basics**, and Using the Command Line to Get Help. The main content area is titled 'Try it' and features a terminal window with the following text:

```
loading...
Welcome to JS/Linux (x86)
Use 'vlogin username' to connect to your account.
You can create a new account at https://vfsync.org/signup .
Use 'export_file filename' to export a file to your computer.
Imported files are written to the home directory.

[root@localhost ~]#
```

Below the terminal window, there is a link to a 'Complementary Interactive Lesson about' and a 'Jump to...' field. The bottom of the page shows the CLARUSWAY logo and the tagline 'WAY TO REINVENT YOURSELF'.

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Linux Alternatives

<https://copy.sh/>



copy's home

You can email me at copy@copy.sh. Use my GnuPG key.

Projects

Virtual x86
Run KolibriOS, Linux or Windows 98 in your browser.

<https://cocalc.com/doc/terminal.html>

The screenshot shows the COCALC Online Linux Terminal interface. The top navigation bar includes links for Features, Software, Pricing, Policies, Shared Files, Doc, and Sign In. The main content area features a penguin logo and the text 'Online Linux Terminal' with the subtitle 'A Linux Terminal that can't mess up your own computer.' Below this, there are buttons for 'Run Terminal Now' and 'Sign In'. A terminal window is open on the right, showing a shell prompt and some output.

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Linux Alternatives

linuxzoo.net



Welcome to linuxzoo

Learn Linux from the safety of your chair using a remote private linux machine with root access.

- Welcome to linuxzoo
- [Our environment](#)
- [Essential Linux](#)
- [System Administration](#)

Status: Normal. Everything should be stable.

Look at the *Our Environment* link, and then *Running Your Machine* for getting started.

Quick start hints: register/login, Join Queue, Switch On (in Control tab), Wait for successful boot, click the Connect tab, and then click "telnet: linuxzoo.net" (or type *telnet linuxzoo.net* at your command prompt). Username *root*, password *secure*.

Image	Username	Password
Linux Centos 7	root	secure
	alice	secure
Caine Forensics 10.0	caine	caine

FAQ for VNC: There are a few options to getting a remote graphical desktop. In "connect" you can click on Java VNC, which requires java 7 installed on your machine. JavaScript VNC is more flexible, but it may be slower (it is experimental). Some systems do not like you logging in graphically as root.

Minimize

Login Details

Email:

Password:

Login | Register for an account

NOT currently queued [Refresh](#) in: 2:00.

0 user(s) ahead in queue.

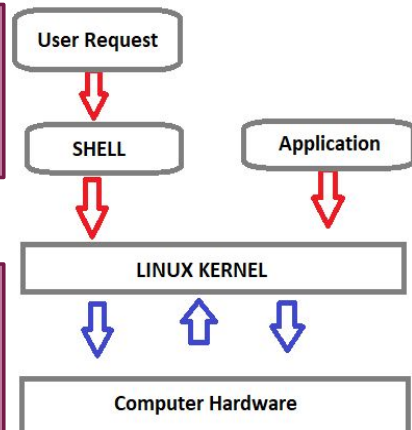
Queue **Stats**

You must register and login before you can use a virtual machine

What is SHELL?

Shell is a **program** that **receives** the user's **commands** and **gives** them to the **operating system** to **process** and displays the output.

Bash (**B**ourne **A**gain **S**hell) is an **enhanced version** of Steve Bourne's first Unix shell application, and serves as the shell program on most Linux systems.



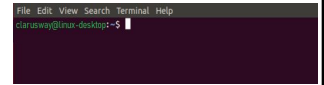


What is SHELL?

The standard Linux shell is both a **command-line interpreter** and a **programming language**.



The command prompt for Linux generally shows the current **user**, the current **host**, and the appropriate **directory**.



At the end of the prompt list, the **\$(dollar sign)** signifies the current user being unprivileged, and the device is ready to receive feedback.

The input is sent for parsing and execution to the interpreter.

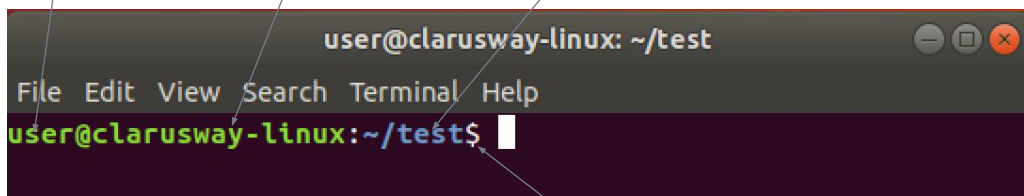


Command Prompt

User Name

Host Name

Current Directory



User Type
\$ normal user
Privileged user



Basic Shell Commands

COMMAND	DESCRIPTION
pwd	show current path
ls	lists directory contents
cd	change (current) directory
mkdir	create a new directory
rmdir	delete an empty directory
touch	create a file
rm	delete a file



Basic Shell Commands

COMMAND	DESCRIPTION
cp	copy a file to another location
mv	move a file to another location
cat	show file contents
echo	print message to screen
clear	clear the terminal screen



Kahoot!

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2

Getting Help



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Table of Contents



- ▶ Man Pages
- ▶ Info Pages
- ▶ whatis command
- ▶ apropos command
- ▶ --help option

2-1 Man Pages





Man Pages

A man page (short for manual page) is a form of **software documentation** usually found on a **Unix or Unix-like** operating system.

If we **install a package** to do some task, the **man page** for that package will typically be **installed** at the same time. This gives us the ability to take a look at that documentation and make sure that we're using it in a manner consistent with its design.

The man page for a particular command is invoked by **man command**.



`man <command>`



Man Pages

`$ man ls`

```
LS(1)                                User Commands                                LS(1)
NAME
  ls - list directory contents
SYNOPSIS
  ls [OPTION]... [FILE]...
DESCRIPTION
  List information about the FILES (the current directory by default). Sort entries alphabetically if none of
  -ctuvSUX nor --sort is specified.
  Mandatory arguments to long options are mandatory for short options too.
  -a, --all
    do not ignore entries starting with .
  -A, --almost-all
    do not list implied . and ..
  --author
    with -l, print the author of each file
  -b, --escape
    print C-style escapes for nongraphic characters
  --block-size=SIZE
    scale sizes by SIZE before printing them; e.g., '--block-size=M' prints sizes in units of 1,048,576
    bytes; see SIZE format below
  -B, --ignore-backups
    do not list implied entries ending with ~
  -c
    with -lt: sort by, and show, ctime (time of last modification of file status information); with -l:
    show ctime and sort by name; otherwise: sort by ctime, newest first
  -C
    list entries by columns
  --color[=WHEN]
    colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below
  -d, --directory
    list directories themselves, not their contents
Manual page ls(1) line 1 (press h for help or q to quit)
```

NAME

Program or Function name(s) followed by descriptions of functionality.

SYNOPSIS

A short overview of available options

DESCRIPTION

Detailed information about arguments and options.

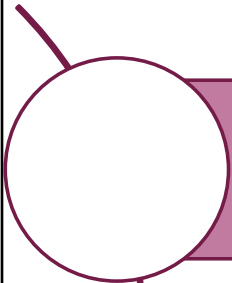


2-2

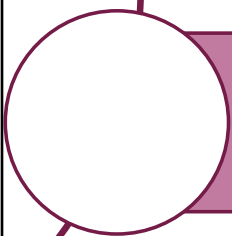
Info Pages



Info Pages



Info pages are **additional documentation** with more robust capability **in detail**. Info pages normally provide more detailed information about a command than its respective man page.



The info page for a particular command is invoked by **info command**.

info <command>



Info Pages

\$ info echo

```
text: printf invocation, Up: Printing text
15.1 'echo': Print a line of text
=====
'echo' writes each given STRING to standard output, with a space between
each and a newline after the last one.  Synopsis:

    echo [OPTION]... [STRING]...

Due to shell aliases and built-in 'echo' functions, using an
unadorned 'echo' interactively or in a script may get you different
functionality than that described here.  Invoke it via 'env' (i.e., 'env
echo ...') to avoid interference from the shell.

The program accepts the following options.  Also see *note Common
options::.  Options must precede operands, and the normally-special
argument '--' has no special meaning and is treated like any other
STRING.

'-n'
    Do not output the trailing newline.

'-e'
    Enable interpretation of the following backslash-escaped characters
    in each STRING:

    '\a' alert (bell)
    '\b' backspace
    '\c' produce no further output
    '\e' escape
    '\f' form feed
    '\n' newline
    '\r' carriage return
    '\t'

-----Info: (coreutils)echo invocation, 78 lines --Top-----
Welcome to Info version 6.5.  Type H for help, h for tutorial.
```



2-3 whatis command



what is command

what is

display one-line manual page names.

```
clarusway@DESKTOP-UN6T2ES:~$ whatis ls
ls (1)          - list directory contents
clarusway@DESKTOP-UN6T2ES:~$ whatis pwd
pwd (1)         - print name of current/working directory
clarusway@DESKTOP-UN6T2ES:~$ whatis mv
mv (1)          - move (rename) files
clarusway@DESKTOP-UN6T2ES:~$
```



2-4

apropos command



apropos command

apropos

search the manual page **names** and **descriptions**.

```
clarusway@DESKTOP-UN6T2ES:~$ apropos pwd
pwd (1)          - print name of current/working directory
pwdx (1)         - report current working directory of a process
unix_chkpwd (8)  - Helper binary that verifies the password of the current user
clarusway@DESKTOP-UN6T2ES:~$
```



2-5 --help Option



► --help Option

--help

gives a **short explanation** about how to use the command and a **list of available options**.

```
clarusway@DESKTOP-UN6T2ES:~$ ls --help
Usage: ls [OPTION]... [FILE]...
List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.
-a, --all                        do not ignore entries starting with .
-A, --almost-all               do not list implied . and ..
--author                       with -l, print the author of each file
-b, --escape                   print C-style escapes for nongraphic characters
--block-size=SIZE              scale sizes by SIZE before printing them; e.g.,
                              '--block-size=M' prints sizes in units of
                              1,048,576 bytes; see SIZE format below
-B, --ignore-backups           do not list implied entries ending with ~
-c                             with -lt: sort by, and show, ctime (time of last
                              modification of file status information);
```



3 Text Editors





3-1

Vi/Vim Editor



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Vi/Vim Editor

- Vi is a text editor **originally created for the Unix** operating system.
- Vim (Vi IMproved) as its name suggests, is a **clone of Vi** and offers more features than Vi.

The reasons why we should use Vi/Vim editor.

- Vim is available on most linux distro's.
- Vim Uses Less Amount of System Resources.
- Vim Supports All Programming Languages and File Formats
- Vim is Very Popular in the Linux World

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Vi/Vim Editor

- Vim is a powerful text editor used in CLI (command line interface).
- Vim is an editor to create or edit a text file.

Command Mode

• When you start Vim, you are **placed in Command mode**. In this mode, you can move across the screen, delete text and copy text.

Insert Mode

• You cannot write text in command mode. To write text into a file, there is a dedicated insert mode. When you want to write something on a file, you must enter the insert mode.

```
VIM - Vi IMproved
          version 8.0.1453
      by Bram Moolenaar et al.
Modified by pkg-vim-maintainers@lists.alioth.debian.org
Vim is open source and freely distributable

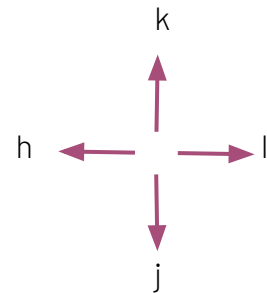
help poor children in Uganda!
type :help icf <icf> for information
type :q <icf> to exit
type :help <icf> or :h for on-line help
type :help version8 <icf> for version info

8.0-1 All
```



Vi/Vim Editor

Vim Command	Description
i	Enter insert mode
Esc	Enter command mode
x or Del	Delete a character
X	Delete character is backspace mode
u	Undo changes
Ctrl + r	Redo changes
yy	Copy a line
dd	Delete a line
p	Paste the content of the buffer
o	insert a blank line under the current cursor position.
:%s/foo/bar/g	Search and replace all occurrences
Esc + :w	Save changes
Esc + :wq or Esc + ZZ	Save and quit Vim





3-2

Nano Editor



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Nano Editor

GNU nano is a small and friendly text editor.
Besides basic text editing, nano offers features like:

- undo/redo
- syntax coloring
- interactive search-and-replace
- auto-indentation
- line numbers
- word completion



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Nano Editor

- Unlike vi, nano is a **modeless editor**, which means that you can start typing and editing the text immediately after opening the file.
- To open an existing file or to create a new file, type nano followed by the file name.

```
$ nano filename
```



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Nano Command	Meaning
Ctrl G	Get Help
Ctrl X	Exit
Ctrl O	Write Out
Ctrl R	Read File
Ctrl W	Where Is
Ctrl \	Replace
Ctrl K	Cut Text
Ctrl U	Uncut Text
Ctrl J	Justify
Ctrl T	To Spell
Ctrl C	Cur Pos
Alt U	Undo
Alt E	Redo

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4-1 Files

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Files

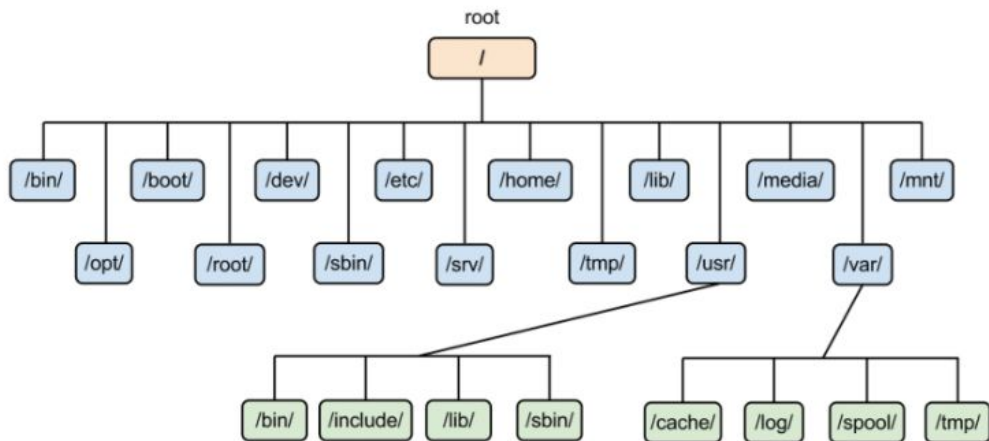
On a Linux system, everything is a file.

A Linux system makes no difference between a file and a directory, since a directory is just a file containing names of other files.

The tree of the file system starts at the trunk or slash, indicated by a forward slash (/). This directory, containing all underlying directories and files, is also called the root directory or “the root” of the file system.



ROOT Directory (/)





▶ ROOT Directory (/)

/bin	Essential command binaries
/boot	Static files of the boot loader
/dev	Device files
/etc	Host-specific system configuration
/home	Users' home directories
/lib	Essential shared libraries and kernel modules
/media	Mount point for removable media
/mnt	Mount point for mounting a filesystem temporarily
/opt	Add-on application software packages
/sbin	Essential system binaries
/srv	Data for services provided by this system
/tmp	Temporary files
/usr	Secondary hierarchy
/var	Variable data



▶ Files

Symbol	Meaning
-	Regular file
d	Directory
l	Link
c	Character Device File
s	Socket File
p	Named Pipe
b	Block Device

```
-rw----- Regular File
drwxr-xr-x. Directory File
lrwxrwxrwx. Link File
crw-rw----. Character Device File
brw-rw----. Block Special File
srw-rw-rw-. Socket File
prw-----. Named Pipe File
```




4-2

Viewing file properties



Viewing file properties

Is

On most Linux versions ls is aliased to color-ls by default. This feature allows to see the file type without using any options to ls.

Color	Meaning
Blue	directories
Red	compressed archives
White	text files
Pink	images
Cyan	links
Yellow	Devices
Green	Executables
flashing red	broken links

```
clarusway@DESKTOP-UN6T2ES:~$ ls
archive.tar  images.jpg  movies
clarusway.txt  linux.txt  musics
clarusway@DESKTOP-UN6T2ES:~$
```



4-3

Working with File Contents



Working with File Contents

head

output the first ten lines of a file.

```
clarusway@DESKTOP-UN6T2ES:~$ head /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

head -n

output the first n lines of a file.

```
clarusway@DESKTOP-UN6T2ES:~$ head -5 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

tail

output the last ten lines of a file.

```
clarusway@DESKTOP-UN6T2ES:~$ tail /etc/passwd
dnsmasq:x:107:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
landscape:x:108:112:./var/lib/landscape:/usr/sbin/nologin
sshd:x:109:65534:./run/sshd:/usr/sbin/nologin
pollinate:x:110:1:./var/cache/pollinate:/bin/false
clarusway:x:1000:1000:./home/clarusway:/bin/bash
john:x:1002:1002:john,room,work,home,other:/home/john:/bin/bash
oliver:x:1003:1003:oliver,room_1,work_1,home_1:/home/oliver:/bin/bash
walter:x:1004:1004:aws solution architect:/home/walter:/bin/sh
aaron:x:1001:1001:aaron,,,:/home/aaron:/bin/bash
james:x:1005:1009:james,,,:/home/james:/bin/bash
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

tail -n

output the last n lines of a file.

```
clarusway@DESKTOP-UN6T2ES:~$ tail -5 /etc/passwd
john:x:1002:1002:john,room,work,home,other:/home/john:/bin/bash
oliver:x:1003:1003:oliver,room_1,work_1,home_1:/home/oliver:/bin/bash
walter:x:1004:1004:aws solution architect:/home/walter:/bin/sh
aaron:x:1001:1001:aaron,,,:/home/aaron:/bin/bash
james:x:1005:1009:james,,,:/home/james:/bin/bash
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

cat

Display a file on the screen.

```
clarusway@DESKTOP-UN6T2ES:~$ cat quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate achievements.
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

cat

One of the basic uses of cat is to concatenate files into a bigger (or complete) file.

```
clarusway@DESKTOP-UN6T2ES:~$ echo this is file1 > file1
clarusway@DESKTOP-UN6T2ES:~$ echo this is file2 > file2
clarusway@DESKTOP-UN6T2ES:~$ echo this is file3 > file3
clarusway@DESKTOP-UN6T2ES:~$ cat file1
this is file1
clarusway@DESKTOP-UN6T2ES:~$ cat file2
this is file2
clarusway@DESKTOP-UN6T2ES:~$ cat file3
this is file3
clarusway@DESKTOP-UN6T2ES:~$ cat file1 file2 file3
this is file1
this is file2
this is file3
clarusway@DESKTOP-UN6T2ES:~$ cat file1 file2 file3 > all
clarusway@DESKTOP-UN6T2ES:~$ cat all
this is file1
this is file2
this is file3
clarusway@DESKTOP-UN6T2ES:~$
```

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Working with File Contents

cat

You can use cat to create **flat text files**.

```
clarusway@DESKTOP-UN6T2ES:~$ cat > winter.txt
It is very cold today!
clarusway@DESKTOP-UN6T2ES:~$
```

The **Ctrl d** key combination will send an **EOF (End of File)** to the running process ending the cat command.

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Working with File Contents

more

view (but not modify) the contents of a text file one screen at a time.

```
clarusway@DESKTOP-UN6T2ES:~$ more quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate
   achievements.
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
clarusway@DESKTOP-UN6T2ES:~$
```



Working with File Contents

more -n

This option specifies an integer which is the screen size (in lines).

```
clarusway@DESKTOP-UN6T2ES:~$ more -2 quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your
   ultimate achievements.
--More-- (32%)
```



Working with File Contents

less

Similar to more, less command allows you to view the contents of a file and navigate through file. The **main difference** between more and less is that **less** command is **faster** because it **does not load the entire file at once**.

```
clarusway@DESKTOP-UN6T2ES:~$ less quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate
   achievements.
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
quotes.txt (END)
```



Working with File Contents

tac

concatenate and print files in reverse.

```
clarusway@DESKTOP-UN6T2ES:~$ cat count.txt
one
two
three
four
five
clarusway@DESKTOP-UN6T2ES:~$ tac count.txt
five
four
three
two
one
clarusway@DESKTOP-UN6T2ES:~$
```



4-4

Searching Files



Searching Files

find

search for files in a directory hierarchy.

```
find [starting-point...] [expression]
```

find

Find all the files whose name is clarusway.txt in a current working directory.

```
clarusway@DESKTOP-UN6T2ES:~$ find . -name clarusway.txt
./clarusway.txt
clarusway@DESKTOP-UN6T2ES:~$
```




Searching Files

find

Find all the files whose name is clarusway.txt under /home directory.

```
clarusway@DESKTOP-UN6T2ES:~$ find /home -name clarusway.txt
/home/clarusway/clarusway.txt
clarusway@DESKTOP-UN6T2ES:~$
```



Searching Files

find

Find all the files whose name is clarusway.txt and contains both capital and small letters in /home directory.

```
clarusway@DESKTOP-UN6T2ES:~$ find /home -iname clarusway.txt
/home/clarusway/Clarusway.txt
/home/clarusway/clarusway.txt
clarusway@DESKTOP-UN6T2ES:~$
```



Searching Files

find

Find all directories whose name is movies in /home directory.

```
clarusway@DESKTOP-UN6T2ES:~$ find /home -type d -name movies
/home/clarusway/movies
clarusway@DESKTOP-UN6T2ES:~$ _
```



Searching Files

find

Find all txt files in a directory.

```
clarusway@DESKTOP-UN6T2ES:~$ find . -type f -name "*.txt"
./Clarusway.txt
./clarusway.txt
./count.txt
./linux.txt
./quotes.txt
./winter.txt
clarusway@DESKTOP-UN6T2ES:~$
```



Searching Files

grep

The grep, which stands for "global regular expression print," is used to search text.

```
grep [options] pattern [files]
```

Options	Description
-c	This prints only the number of lines that match a pattern
-h	Do not display the filenames headers.
-i	Ignores, case for matching
-l	Displays list of a filenames only.
-n	Display the matched lines and their line numbers.
-v	This prints out all the lines that do not matches the pattern



Searching Files

grep

The grep searches the given file for lines containing a match to the given strings or words.

```
clarusway@DESKTOP-UN6T2ES:~$ cat quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate achievements.
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
clarusway@DESKTOP-UN6T2ES:~$ grep "Start" quotes.txt
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
clarusway@DESKTOP-UN6T2ES:~$
```



Searching Files

grep -n

Returns the result of lines matching the search string.

```
clarusway@DESKTOP-UN6T2ES:~$ grep -n "Start" quotes.txt
2:2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
```

grep -c

Returns the number of lines in which the results matched the search string.

```
clarusway@DESKTOP-UN6T2ES:~$ grep -c "Start" quotes.txt
1
clarusway@DESKTOP-UN6T2ES:~$ _
```



Searching Files

grep -v

Returns the result of lines not matching the search string.

```
clarusway@DESKTOP-UN6T2ES:~$ cat quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate achievements.
2. Start by doing what's necessary; then do what's possible; and suddenly you are doing the impossible.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
clarusway@DESKTOP-UN6T2ES:~$ grep -v "Start" quotes.txt
1. Cherish your visions and your dreams as they are the children of your soul, the blueprints of your ultimate achievements.
3. The difficult we do immediately. The impossible takes a little longer.
4. We are what we repeatedly do. Excellence, then, is not an act, but a habit.
clarusway@DESKTOP-UN6T2ES:~$ _
```



THANKS!

Any questions?

