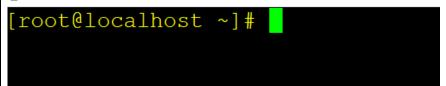




# CLI – Command Line Interface

### CLI - Command Line Interface

root@localhost:~



#### What is root

#### root – Administrator – Super user

- Root user has full access
- Root user cannot be renamed
- Never share the password with anybody
- Don't put in email, chats or text messages, don't share it

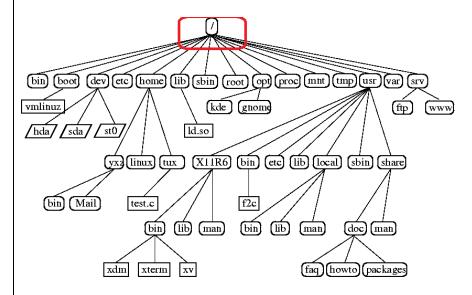


### /root

- Root user home directory or
- When root user logs in to system this is his landing space

/

- Root directory
- This is the topmost directory



File = file

Directory = Folder

For Linux a file and a directory is also file

pwd

### pwd

- Print working directory
- Present working directory

[root@localhost ~]# pwd

/root

clear

clear



- Clears the screen
input
Input [root@localhost ~]# pwd
output
Output /root < Response from OS
cd
- allows you to change the directory  [root@localhost ~]# cd / [root@localhost /]#
cd  - Simply type cd and hit enter - You jump back to home directory  [root@localhost /]# cd [root@localhost ~]#
ls
- this command list the content of the pwd directory  [root@localhost ~]# Is anaconda-ks.cfg
Is –I  - long list switch with Is command - it provides the details of the list contents



# [root@localhost ~]# Is -I total 4 -rw-----. 1 root root 1407 Oct 4 16:07 anaconda-ks.cfg

#### Ls -a

- shows you the list of files as well as hidden files/ folder
- hidden file or folder starts with . (period)
- . anaconda-ks.cfg .bash\_logout .bashrc .tcshrc
- .. .bash\_history .bash\_profile .cshrc

#### Is -la

- this combination of command provides the long list with hidden files

```
[root@localhost ~]# ls -la
total 28
dr-xr-xr-x. 2 root root 135 Oct 4 16:57.
dr-xr-xr-x. 17 root root 224 Oct 4 15:50..
-rw-----. 1 root root 1407 Oct 4 16:07 anaconda-ks.cfg
-rw-----. 1 root root 209 Oct 4 17:54 .bash_history
-rw-r--r-. 1 root root 18 Dec 28 2013 .bash_logout
-rw-r--r-. 1 root root 176 Dec 28 2013 .bash_profile
-rw-r--r-. 1 root root 176 Dec 28 2013 .cshrc
-rw-r--r-. 1 root root 100 Dec 28 2013 .cshrc
-rw-r--r-. 1 root root 129 Dec 28 2013 .tcshrc
```

#### history

### history

displays the history of commands you been using

# [root@localhost ~]# history

- 1 ipa
- 2 cd/etc/sysconfig/network-scripts/
- 3 ls
- 4 vi ifcfg-enp0s3
- 5 clear
- 6 Is
- 7 vi ifcfg-enp0s3
- 8 clear
- 9 ls



10 vi ifcfg-enp0s8		
11 vi ifcfg-enp0s9		
12 vi ifcfg-enp0s3		
13 clear		
14 ls		
15 ls -l		
16 clear		
17 init 6		
18 ip a		
19 init 0		
20 ip a		
21 whoami		
22 ls		
23 lsblk		
24 init 0		
25 clear		
26 pwd		
27 clear		
28 pwd		
29 clear		
30 pwd		
31 cd/		
32 cd		
33 ls		
34 ls -l		
35 ls -a		
36 clear		
37 ls -a		
38 ls -la		
39 clear		
40 history		
!34		
- run the specific command number from the history		
[root@localhost ~]# !34		
Is -I		
total 4		
-rw 1 root root 1407 Oct 4 16:07 anaconda-ks.cfg		
Multiple Commands		
Run multiple command		
;		



[root@localhost ~]# Is -la;pwd;cd /

#### touch

#### touch

it create a file for you

[root@localhost ~]# touch file1 [root@localhost ~]# ls anaconda-ks.cfg file1 [root@localhost ~]# ls -l total 4

-rw-r--r-. 1 root root 0 Oct 10 16:20 file1 <--- creates file

### touch file2 file3 file4

- Create multiple files

[root@localhost ~]# touch file2 file3 file4
[root@localhost ~]# ls
anaconda-ks.cfg file1 file2 file3 file4
[root@localhost ~]# ls -l
total 4
-rw------. 1 root root 1407 Oct 4 16:07 anaconda-ks.cfg
-rw-r--r--. 1 root root 0 Oct 10 16:20 file1
-rw-r--r--. 1 root root 0 Oct 10 16:26 file2
-rw-r--r--. 1 root root 0 Oct 10 16:26 file3

## touch .file5

Creates a hidden file

[root@localhost ~]# ls –la -rw-r--r-. 1 root root 0 Oct 10 16:27 .file5

-rw-r--r-. 1 root root 0 Oct 10 16:26 file4

< --- Hidden file is created

### mkdir

### mkdir folder1

Creates the folder with specified name in pwd

[root@localhost ~]# mkdir folder1

[root@localhost ~]# Is -I



drwxr-xr-x. 2 root root 6 Oct 10 16:29 folder1 mkdir folder2 folder3 folder4 Creates multiple folders drwxr-xr-x. 2 root root 6 Oct 10 16:29 folder1 drwxr-xr-x. 2 root root 6 Oct 10 16:33 folder2 drwxr-xr-x. 2 root root 6 Oct 10 16:33 folder3 drwxr-xr-x. 2 root root 6 Oct 10 16:33 folder4 [root@localhost ~]# yum install tree -y mkdir -p redhat/whitehat/blackhat Create directory inside directory -p means parent directory This will also check the existing directory, it ignores it its already there [root@localhost ~]# mkdir -p redhat/whitehat/blackhat [root@localhost ~]# tree anaconda-ks.cfg file1 – file2 - file3 file4 — folder1 — folder2 — folder3 — folder4 – <mark>redhat</mark> └─ whitehat L— blackhat 7 directories, 5 files Changing directory using cd Changes the directory [root@localhost ~]# cd redhat/whitehat/blackhat/



Tab key auto completes the file or directory		
[root@localhost blackhat]# pwd /root/redhat/whitehat/blackhat		
cd		
[root@localhost blackhat]# cd [root@localhost ~]# pwd /root <takes back="" directory<="" home="" td="" to="" you=""></takes>		
Jump to previous working directory		
[root@localhost ~]# cd - /root/redhat/whitehat/blackhat <takes back="" directory<="" previous="" td="" to="" working="" you=""></takes>		
[root@localhost blackhat]# ls -la total 0 drwxr-xr-x. 2 root root 6 Oct 10 16:40 . < Single dot is link to its self		
drwxr-xr-x. 3 root root 22 Oct 10 16:40 < two dots are link to parent directory		
This is representation of present working directory - It is a link to current working directory - Hidden		
This the representation of parent directory - This will take you back one level up directory - Hidden		
cd		
[root@localhost ~]# cd redhat/whitehat/blackhat/ /root/redhat/whitehat/ <mark>blackhat</mark>		
[root@localhost blackhat]# cd [root@localhost whitehat]# pwd		



/root/redhat/ <mark>whitehat</mark>
[root@localhost whitehat]# cd [root@localhost redhat]# pwd /root/redhat
[root@localhost redhat]# cd whitehat/blackhat/ [root@localhost blackhat]# pwd /root/redhat/whitehat/blackhat
[root@localhost blackhat]# cd// [root@localhost ~]# pwd /root
Relative Path
Relative path  redhat whitehat blackhat  [root@localhost~]# cd redhat/whitehat/blackhat/ <used 'blackhat'<="" directory="" go="" in="" relative="" td="" the="" to=""></used>
[root@localhost blackhat]# pwd /root/redhat/whitehat/blackhat
Absolute Path
Absolute path  /root/redhat/whitehat/blackhat  [root@localhost blackhat]# cd /root/redhat  [root@localhost redhat]# pwd  /root/redhat
pwd provides you absolute path of the present working directory
remove
rm



Removes the file [root@localhost ~]# rm anaconda-ks.cfg rm: remove regular file 'anaconda-ks.cfg'? y rm -rf Removes file forcefully without confirmation [root@localhost ~]# rm -rf file1 Wild Card \* Wild card [root@localhost ~]# rm -rf fi\* [root@localhost ~]# Is folder1 folder2 folder3 folder4 redhat [root@localhost ~]# rm -rf fo\* [root@localhost ~]# Is Redhat Removing folder [root@localhost ~]# rm folder1 rm: cannot remove 'folder1': Is a directory < --- Folder has delete protection [root@localhost ~]# rm -rf folder1/ [root@localhost ~]# Is -rf - recursively and forcefully Remove hidden files and folders [root@localhost ~]# Is -a . .bash\_history .bash\_profile .cshrc .tcshrc .. .bash\_logout .bashrc .file5 [root@localhost ~]# rm -rf .\* rm: refusing to remove '.' or '..' directory: skipping '.' < ---this will not be removed rm: refusing to remove '.' or '..' directory: skipping '..' < ---this will not be removed [root@localhost ~]# Is -a . ..



сору	
- Copy files and folders to specified location - You can use absolute and relative path to copy	
[root@localhost ~]# mkdir -p redhat/whitehat/blackhat [root@localhost ~]# tree .	
[root@localhost ~]# cp file1 redhat/whitehat/blackhat/ [root@localhost ~]# tree . ├── file1 ├── file2 └── redhat └── whitehat └── blackhat └── blackhat └── file1	
3 directories, 3 files	
cp file1 redhat/whitehat/blackhat/  Command source destination  cp File1 redhat/whitehat/blackhat/	
cp file2 /root/redhat/whitehat/ - Copy using ablsoute path  [root@localhost ~]# cp file2 /root/redhat/whitehat/  [root@localhost ~]# tree .	



-— file1
├— file2 └— redhat
└── whitehat
-— blackhat
L— file1
└── <mark>file2</mark>
10-11-2020
https://www.youtube.com/watch?v=kluWB4pAuns
-bash-4.2# cp /etc/skel/.b* /root
cp /etc/skel/.b* .
ep / ete/skel/.b
[root@localhost ~]# ls -a
bash_history
<mark>.bash_logout</mark> . <mark>bashrc</mark> file2
[root@localhost ~]# tree
└─ redhat
└── whitehat ├── blackhat
└── file2
Copy files from foreign directory
[rest@less best@]# as redbet/whitebet/file?
[root@localhost ~]# cp redhat/whitehat/file2 . <using path<="" relative="" td=""></using>
[root@localhost ~]# ls
[root@localhost ~]# ls
[root@localhost ~]# ls file2 redhat  [root@localhost ~]# cp /root/redhat/whitehat/blackhat/file1 /root <using [root@localhost="" absolute="" ls<="" path="" td="" ~]#=""></using>
[root@localhost ~]# ls file2 redhat  [root@localhost ~]# cp /root/redhat/whitehat/blackhat/file1 /root <using absolute="" path<="" td=""></using>
[root@localhost ~]# ls file2 redhat  [root@localhost ~]# cp /root/redhat/whitehat/blackhat/file1 /root <using [root@localhost="" absolute="" ls<="" path="" td="" ~]#=""></using>
[root@localhost ~]# ls file2 redhat  [root@localhost ~]# cp /root/redhat/whitehat/blackhat/file1 /root <using [root@localhost="" absolute="" ls<="" path="" td="" ~]#=""></using>



[root@localhost whitehat]# cp file2/	<using path<="" relative="" th=""></using>
[root@localhost whitehat]# cd	
[root@localhost ~]# ls	
file1 file2 redhat	
Copy directory	
[root@localhost ~]# cp -rf redhat ibm	<rf directory,="" for="" force<="" is="" needed="" recursively,="" td=""></rf>
i spanie i s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
[root@localhost ~]# ls	
file1 file2 ibm redhat	
[root@localhost ~]# tree	
├— file2 ├— <mark>ibm</mark>	
r— ibiii 	
blackhat	
— file2	
redhat	
└─ whitehat	
blackhat	
L— file1	
file2	
6 directories, 6 files	
Copy directory into another directory	
Copy directory into another directory	
[root@localhost ~]# mkdir archive	
[root@localhost ~]# cp -rf ibm archive	
[root@localhost ~]# ls -l archive/	
total 0	
drwxr-xr-x. 3 root root 22 Oct 11 15:59 ibm	
[root@localhost ~]# Is archive/	
ibm	
[root@localhost ~]# cd archive/	
[root@localhost archive]# ls	
Ibm	
	Move
Moving file	



[root@localhost ~]# ls archive file1 file2 ibm redhat [root@localhost ~]# mv file1 archive

Command	Source	Destination
mv	File1	archive

[root@localhost ~]# Is archive file2 ibm redhat [root@localhost ~]# cd archive/ [root@localhost archive]# Is file1 ibm

Moving directory

[root@localhost archive]# cd [root@localhost ~]# mv -f redhat archive

Command	Source	Destination
mv –f	redhat	archive

[root@localhost ~]# ls archive file2 ibm

# Rename

Renaming file

[root@localhost ~]# mv file2 xfile

Command	Old name	New name
mv	file2	xfile

[root@localhost ~]# Is archive ibm xfile

Renaming directory

[root@localhost ~]# mv ibm aws



Command	Old name	New name
mv	Ibm	aws

[root@localhost ~]# Is archive aws xfile

man

man

[root@localhost ~]# man What manual page do you want?

man - an interface to the on-line reference manuals

#### echo

#### echo

- Repeats after the command and displays on screen

[root@localhost ~]# echo

[root@localhost ~]# echo this is linux course

this is linux course

[root@localhost ~]# echo this is linux course and I am enjoying this course this is linux course and I am enjoying this course

# Redirectors

# Redirectors

0<	Standard input
1>	Standard out put echo this is linux course and I am enjoying this course 1> file1



2>	Standard error	
	lkskfsl 2> file2	

1>

[root@localhost ~]# echo this is linux course 1> file1

Command	Content	Redirector – output	File name
Echo	this is linux course	1>	File1

0<

this is linux course

Command	Redirector – input	File name
Cat	0<	File1

[root@localhost ~]# cat < file1 < --- < is a input redirection

this is linux course

[root@localhost ~]# cat file1 < --- is a input redirection

this is linux course

final word: you don't really need to specify 0< or <, the system will automatically read the file

2>

- This will catch only the errors and redirects to the file
- You can also redirect errors to /dev/null discarded location, not retrievable

[root@localhost ~]# dfkjlks

-bash: dfkjlks: command not found



[root@localhost ~]# dfkjlks 2>/dev/null

cat

cat – concatenate

- Most basic use is to read a file

Read the file

[root@localhost ~]# cat file1 this is linux course

read multiple files at the same time

[root@localhost ~]# cat file1 file2 this is linux course

ls: cannot access nothing: No such file or directory

redirect the output another file

[root@localhost ~]# cat file1 file2 > file3

< --- redirects using >, over writes existing content also creates new

file if does not exits

[root@localhost ~]# cat file3

this is linux course

ls: cannot access nothing: No such file or directory

Add to

[root@localhost ~]# cat file1 file2 >> file3

[root@localhost ~]# cat file3

this is linux course

ls: cannot access nothing: No such file or directory

this is linux course

ls: cannot access nothing: No such file or directory

< --- user double >> to add to file

Enter into quick edit mode

[root@localhost ~]# cat > file4 <--- over rides the content, also create new file if it does not exits

This is line1

this is line2

this is line3



[root@localhost ~]# cat file4

This is line1

this is line2

this is line3

Add additional lines

[root@localhost ~]# cat >> file4

< ---add additional lines

this is line4

this is line5

[root@localhost ~]# cat file4

This is line1

this is line2

this is line3

this is line4

this is line5

grep

### grep

- Filters the line with matching word in it

[root@localhost ~]# cat file4

This is line1

this is line2

this is line3

this is line4

this is line5

This is Linux

This is Redhat Linux

This is linux course

this is interesting

[root@localhost ~]# cat file4 | grep linux

< ---greps match, case sensitive

This is linux course

[root@localhost ~]# cat file4 | grep -i linux

< ---ignores the case

This is Linux

This is Redhat Linux

This is linux course

You can use grep directly without cat



[root@localhost  $\sim$ ]# grep -i linux file4

This is Linux

This is Redhat Linux

This is linux course

# pipe

١

- Pipe is used for running multiple commands
- -
- Primary command | secondary command | third command

[root@localhost ~]# cat file4

This is line1

this is line2

this is line3

this is line4

this is line5

This is Linux

This is Redhat Linux

This is linux course

this is interesting

[root@localhost ~]# cat file4 | grep -i linux

This is Linux

This is Redhat Linux

This is linux course

[root@localhost ~]# cat file4 | grep -i linux | grep Red

This is Redhat Linux

Multiple word search

[root@localhost ~]# cat file4 | grep -i 'linux\|line4'

this is line4

This is Linux

This is Redhat Linux

This is linux course



#### wc

- This is a word count

.

[root@localhost ~]# wc file4

9 29 146 file4

Number of lines	Words	Characters includes spaces	Name of the file
9	29	146	File4

[root@localhost ~]# cat file4

This is line1

this is line2

this is line3

this is line4

this is line5

This is Linux

This is Redhat Linux

This is linux course

this is interesting

[root@localhost ~]# wc -l file4

< --- -l is for lines

9 file4

[root@localhost ~]# wc -c file4

< --- -c is for characters

146 file4

[root@localhost ~]# wc -w file4

< --- -w is for words

29 file4

### head

#### Head

- Read top ten lines of the file

[root@localhost ~]# head file4

This is line1

this is line2

this is line3

this is line4

this is line5

This is Linux

This is Redhat Linux

This is linux course



this is interesting this is line10

[root@localhost ~]# head -5 file4 [root@localhost ~]# head -12 file4 [root@localhost ~]# head -100 error.log

### tail

#### Tail

- This command reads bottow ten lines

[root@localhost ~]# tail file4

this is line5

This is Linux

This is Redhat Linux

This is linux course

this is interesting

this is line10

this is line11

this is line12

this is line13

this si line14

[root@localhost ~]# tail -5 file4 [root@localhost ~]# tail -12 file4 [root@localhost ~]# tail -100 error.log

### more

#### more

- Primary use is to read huge file
- This will load the entire file into memory
- Use 'enter' on keyboard to scroll line by line
- Use 'spacebar' on keyboard to scroll page by page
- 'q' to quit the file
- Not good when memory is low

### /var/log

[root@localhost log]# more messages



### less

#### Less

- This is similar to more command
- But it will only load the output as needed into memory
- Use 'enter' on keyboard to scroll line by line
- Use 'spacebar' on keyboard to scroll page by page
- 'q' to quit the file
- good when memory is low

### /var/log

[root@localhost log]# less messages

#### sort

#### Sort

sorts the file alphabetically

[root@localhost ~]# sort file5

[root@localhost ~]# sort -n file5 < --- sorts using numbers

# uniq

### Uniq

removes duplicates

\_

[root@localhost ~]# cat > file5

apple

apple

berry

berry

strawberry

pineapple

pineapple

mango

[root@localhost ~]# uniq file5

apple

berry

strawberry

pineapple

mango

date

Date



[root@localhost ~]# date Sat Oct 17 15:25:19 EDT 2020

cal

Cal

[root@localhost ~]# cal October 2020 Su Mo Tu We Th Fr Sa

1 2 3

4 5 6 7 8 9 10

11 12 13 14 15 16 17

18 19 20 21 22 23 24

25 26 27 28 29 30 31

[root@localhost ~]# cal 12 1969

December 1969

Su Mo Tu We Th Fr Sa

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30 31

who

who

Displays users logged into system

[zafar@assignment01 ~]\$ who

zafar pts/0 2020-10-17 15:29 (73.110.42.133)

adil pts/1 2020-10-17 15:34 (162-226-246-197.lightspeed.cicril.sbcglobal.net)

zafar pts/2 2020-10-17 15:34 (73.110.42.133)

last

last

Displays the login and reboot

[root@localhost ~]# last

root tty1 Sat Oct 17 14:59 sti

root pts/0 192.168.56.1 Sat Oct 17 14:59 sti

reboot system boot 3.10.0-1062.el7. Sat Oct 17 14:57 - 15:

free



### Free -h

- Displays the System RAM and SWAP[virtual memory] information

[root@localhost ~]# free -h

total used free shared buff/cache available

Mem: 991M 142M 744M 6.8M 103M 723M

Swap: 1.6G OB 1.6G

du

du

- Disk usage information of the file or folder

[root@localhost ~]# du -h file4 4.0K file4

top

Top

- Displays the real time information about the system

- Cpu, memory, processes

top - 15:51:08 up 53 min, 2 users, load average: 0.00, 0.01, 0.05 Tasks: 99 total, 2 running, 97 sleeping, 0 stopped, 0 zombie

%Cpu(s): 0.3 us, 0.7 sy, 0.0 ni, 99.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

KiB Mem: 1014824 total, 761684 free, 146624 used, 106516 buff/cache KiB Swap: 1679356 total, 1679356 free, 0 used. 740012 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

1868 root 20 0 161888 2172 1544 R 0.7 0.2 0:00.34 top 25 root 20 0 0 0 0 S 0.3 0.0 0:04.63 kworker/0:1 1 root 20 0 127964 6536 4108 S 0.0 0.6 0:01.97 systemd

### Iscpu

Lscpu

List the number of CPU system has

[root@assignment01 ~]# Iscpu Architecture: x86\_64

CPU op-mode(s): 32-bit, 64-bit Byte Order: Little Endian

CPU(s): 2



#### which

#### Which

- Displays if the command or package is installed

[root@localhost ~]# which tree /usr/bin/tree

[root@localhost ~]# which firefox <---Not installed

/usr/bin/which: no firefox in (/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/.local/bin:/root/bin)

### gzip

### Gzip

- Zips and compresses the file
- It adds the extension with .gz

[root@localhost ~]# gzip error.log

[root@localhost ~]# du -h error.log.gz 4.0K error.log.gz

# gunzip

### Gunzip

Unzips and uncompresses the file

[root@localhost ~]# gunzip error.log.gz [root@localhost ~]# Is -I total 92

-rw-r--r-. 1 root root 72295 Oct 11 17:30 error.log

#### tar

#### Tar

- It saves the folder to single file
- It does not compress the tar file
- It keeps the orginal folder and creates is a new file

[root@localhost ~]# mkdir folder1

### [root@localhost folder1]# ls -lh



#### total 4.6M

-rw-----. 1 root root 4.6M Oct 17 16:12 messages [root@localhost folder1]# cp messages messages2 [root@localhost folder1]# cp messages messages4 [root@localhost folder1]# cp messages messages3 [root@localhost folder1]# cp messages messages5

[root@localhost ~]# du -h folder1/

23M folder1/

[root@localhost ~]# tar -cvf folder1.tar folder1

folder1/

folder1/messages

folder1/messages2

folder1/messages4

folder1/messages3

folder1/messages5

-cvf for the folder

drwxr-xr-x. 2 root root 90 Oct 17 16:13 folder1 -rw-r--r-. 1 root root 24074240 Oct 17 16:18 folder1.tar

- This makes copying or moving folder easy
- This keeps the data integrity of the content, especially copied over network

\*\*\* you can used gzip and gunzip to compress and uncompress the folder

[root@localhost ~]# gzip folder1.tar

[root@localhost ~]# du -h fo\*

23M folder1

1.3M folder1.tar.gz

stat

#### Stat

Displays detailed information

[root@localhost ~]# stat file1

File: 'file1'

Size: 21 Blocks: 8 IO Block: 4096 regular file

Device: fd00h/64768d Inode: 16797776 Links: 1

Access: (0644/-rw-r--r--) Uid: ( 0/ root) Gid: ( 0/ root)



Context: unconfined\_u:object\_r:admin\_home\_t:s0 Access: 2020-10-17 16:26:24.332018946 -0400 Modify: 2020-10-11 16:37:25.730845836 -0400 Change: 2020-10-11 16:37:25.730845836 -0400

Birth: -

#### inode

### Inode

- It is table on the disk holding the file information
- Owner of the file
- Group of the file
- Type of the file
- Permissions
- Date and time of the file modified and accessed
- Number of links
- Size of the file
- Block information

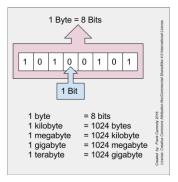
To find inode of a file

[root@localhost ~]# ls -i file1 16797776 file1

### **Block Information**

#### **Block information**

One bit is bit = 1 bit Eight bit is byte = 1 byte Kilo bytes = 1024 = 1 kilo byte 4096 bytes = 4kb



4096 = 4kb minimum useable



File Size	Disk Space used 4K
0	4 kb
1 kb	4kb
2 kb	4 kb
4 kb	4 kb
6 kb	8 kb
13 kb	16 kb
21	24 kb



# find

### Find

- It fins the files in specified directory
- You can use absolute or relative path
- You can use name or inode number

# Using name

[root@localhost ~]# find / -name file1
/root/file1
/root/folder1/file1