- echo STR
- cd DIR
- adduser USERID
- passwd USERID
- mkdir DIR...
 - -mode=MODE

Set file mode using chmod.

-p, --parents

Make parent directories as needed.

- rmdir DIR...

-p, --parents

Remove DIR and its ancestors.

- cat FILE...

Concatenate FILE(s), or stdin to stdout.

cat > A.txt

Read data from stdin and store data to a A.txt. Type [ctrl+D] to finish.

cat < A.txt

Print A.txt file to stdout.

cat A.txt B.txt > AB.txt

Merge A.txt with B.txt, then print into AB.txt.

chmod MODE FILE...

chmod 751 FILE

chmod u=rwx,g=rx,o=x FILE

| r | W | Х | r | W | Х | r | W | x |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |

chmod =r FILE

chmod 444 FILE

chmod a-wx,a+r FILE

| | W | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |

- cp SRC_FILE DST_FILEcp SRC_FILE... DST_DIR
- mv SRC_FILE DST_FILE
 mv SRC_FILE... DST_DIR
- rm FILE...
- who

Show who is logged on.

- 1s NAME...
 - -1

List one file per line.

-a, --all

List all files, including hidden files; such as [.], [..]

-1

Long listing format, provides details.

-h, --human-readable

With [-1], print sizes in human readable format.

-R, --recursive

List subdirectories recursively.

grep PATTERN [FILE]...

Searches the FILE(s) for lines containing a match to the given PATTERN.

-A NUM, --after-context=NUM

Print NUM lines of trailing context after matching lines.

-B NUM, --before-context=NUM

Print NUM lines of leading context before matching lines.

-b, --byte-offset

Print the 0-based byte offset within the input file before each line of output.

-c, --count

Print a count of matching lines for each input file.

-n, --line-number

Prefix each line of output with 1-based.

-R, -r, --recursive PATTERN [NAME]...

Read all files under each directory, recursively.

gzip/gunzip [FILE]...

-c, --stdout, --to-stdout

gzip FILE...

Compress FILE... to FILE.gz... than remove original.

gzip -c FILE > DST.gz

Not remove original. Suffix .gz important.

- tar [FILE]...

tar -cvf DST.tar FILE...

Create FILE... to FILE.tar verbosely.

tar -czf DST.tar.gz FILE...

tar -xzf SRC_FILE.tar.gz [-C DST_DIR]

- ps

Displays information about a selection of the active processes.

- top

Program provides a dynamic real-time view of a running system. It can display system summary information as well as a list of tasks currently being managed by the Linux kernel.

- w [USERID]

displays information about the users currently on the machine, and their processes.

- kill [-s SIGNAL|-p] PID

Sends the specified signal to the specified process or process group. If no signal is specified, the TERM signal is sent. The TERM signal will kill processes which do not catch this signal. For other processes, it may be necessary to use the KILL (9) signal, since this signal cannot be caught.

kill -9 PID

Force PID to terminate.

- df

Report the amount of disk space on all mounted file systems

- dmesg

Used to examine or control the kernel ring buffer.

- **du** [*FILE*]...

Summarize disk usage of each *FILE*, recursively for directories.

- free

Report the amount of disk space on all mounted file systems

history [-c|-d OFFSET|NUM]

Print NUM commands in history list.

- c

Clear the history list by deleting all the entries.

-d OFFSET

Delete the history entry at position OFFSET.

ping [HOSTNAME|IP]

- ifconfig [INTERFACE [OPTS|ADDR]]

Assign an address to a network interface and/or configure network interface parameters

OPTS are...

up

Causes the interface to be activated.

down

Causes the driver for this interface to be shut down.

ifconfig eth0 ADDR

Change eth0 IP with ADDR.

Ifconfig eth0 down

Stop eth0 interface.

- alias [-p] [NAME[=VALUE]...]
Alias frequently used command.

alias cpf='cp -rf'

Type "cpf" then, it excutes "cp -rf".

- fdisk

Partition table manipulator. Hard disk can be divided into one or more logical disks called partitions.

apt-get

APT package handling utility. Command-line tool for handling packages, and may be considered the user's "back-end" to other tools using the APT library.