**Unix/Linux Commands**

**File Commands**

1. ls: Directory listing

2. ls -al: Formatted listing with hidden files

3. ls -lt :Sorting the Formatted listing by time modification

4. cd dir :Change directory to dir

5. cd :Change to home directory

6. pwd :Show current working directory

7. mkdir dir :Creating a directory dir

8. cat file :Places the standard input into the file

9. more file :Output the contents of the file

10. head file: Output the first 10 lines of the file

11. tail file: Output the last 10 lines of the file

12. tail -f file: Output the contents of file as it grows,starting with

the last 10 lines

13. touch file: Create or update file

14. rm file :Deleting the file

15. rm -r dir: Deleting the directory

16. rm -f file :Force to remove the file

17. rm -rf dir: Force to remove the directory dir

18. cp file1 file2 :Copy the contents of file1 to file2

19. cp -r dir1 dir2 :Copy dir1 to dir2;create dir2 if not present

20. mv file1 file2 :Rename or move file1 to file2,if file2 is an existing

directory

21. ln -s file link: Create symbolic link to file

**Process management**

1. ps: To display the currently working processes

2. top: Display all running processUnix/Linux Command Reference

3. kill pid :Kill the process with given pid

4. killall proc :Kill all the process named proc

5. pkill pattern: Will kill all processes matching the pattern

6. bg List stopped or background jobs,resume a stopped

job in the background

7. fg :Brings the most recent job to foreground

8. fg n :Brings job n to the foreground, n is number

**File permission**

1.chmod octal file:

Change the permission of file to octal,which can

be found separately for user,group,world by

adding,

4-read(r)

2-write(w)

1-execute(x)

**Searching**

1. grep pattern file: Search for all possible patterns in file, patterns can be words, characters, expression.

2. grep -r pattern dir: Search recursively for pattern in dir

3. command | grep: pattern Search pattern in the output of a command

4. locate file :Find all instances of file

5. find . -name filename: Searches in the current directory (represented by a period) and below it, for files and directories with names starting with filename

6. pgrep pattern: Searches for all the named processes , that matches with the pattern and, by default, returns their ID

**System Info**

1. date: Show the current date and time

2. cal: Show this month's calender

3. uptime: Show current uptime

4. w :Display who is on line

5. whoami :Who you are logged in asUnix/Linux Command Reference

6. finger user: Display information about user

7. uname -a :Show kernel information

8. cat /proc/cpuinfo: Cpu information

9. cat proc/meminfo: Memory information

10. man command: Show the manual for command

11. df: Show the disk usage

12. du: Show directory space usage

13. free: Show memory and swap usage

14. whereis app: Show possible locations of app

15. which app: Show which applications will be run by default

**Compression**

1. tar cf file.tar file Create tar named file.tar containing file

2. tar xf file.tar Extract the files from file.tar

3. tar czf file.tar.gz files Create a tar with Gzip compression

4. tar xzf file.tar.gz Extract a tar using Gzip

5. tar cjf file.tar.bz2 Create tar with Bzip2 compression

6. tar xjf file.tar.bz2 Extract a tar using Bzip2

7. gzip file Compresses file and renames it to file.gz

8. gzip -d file.gz Decompresses file.gz back to file

**Network**

1. ping host: Ping host and output results

2. whois domain :Get whois information for domains

3. dig domain: Get DNS information for domain

4. dig -x host :Reverse lookup host

5. wget file :Download file

6. wget -c file :Continue a stopped download

**Unix/Linux Command Reference Shortcuts**

1. ctrl+c: Halts the current command

2. ctrl+z :Stops the current command, resume with fg in the foreground or bg in the background

3. Ctrl+d : Logout the current session, similar to exit

4. ctrl+w: Erases one word in the current line

5. ctrl+u: Erases the whole line

6. ctrl+r :Type to bring up a recent command

7. !! Repeats the last command

8. exit Logout the current session