**Linux / Unix Commands**

1.mkdir

2.ls -lrt

3.cat access\_log | cut -d" " -f1,6,7,9 | grep 503

Check for 503 errors

4.df -h/k ; du -shx \*

5.free -m

6.grep -i pattern filename

grep -i pattern \*

7. find

find / -type f -exec grep -H 'pattren' {} \;

find -type f -exec grep -H 'pattren' {} \;

find big file

find . -xdev -type f -size +900000000c -exec ls - lah {} \; | more

find . -xdev -type f -size +90000000c -exec ls - lah {} \; | more

remove old files

find ./ -name "\*.trc" -mtime +60 -exec rm -f {} \;

7.ps -ef |grep pattern

8.netstat -na |grep port ; nestat -nap |grep port

list out running ports

netstat -tulp | grep LISTEN

9.tar -czvf configs.tar configs ; tar -xvzf configs tar

gtar -czvf configs.tar.gz configs ; gtar -xvzf configs tar.gz

10.kill -9 -1

kill -9 `ps -ef |grep httpd | grep -v grep | awk '{print $2}'`

11. curl -ivk <https://abc.com/profile>

12.clear

13. hostnamectl

14.cat /etc/\*release - (os version)

14. locate filename

15. ./httpd -version

16. /opt/app/openssl/bin> .openssl version

17. env |grep pattern

18. vi

19. with root user

useradd abcdef

passwd xxxxx

20. chown -R user:group folder

21. usermod -a -G oldgroup newgroup

22. Id

23. /etc/ssh/sshd\_config

PasswordAuthentication yes –uncommmet

PasswordAuthentication no –comment

Service sshd reload

24. cp -p /home/user/.profile /home/user1

chown user:user1 home/user1/. profile

25.check packages are installed and install

rpm -q redhat -lsb

package redhat-lsb is not installed.

yum install redhat-lsb

rpm -q redhat -lsb >> dev/null 2>&1 || yum install redhat -lsb

rpm -qa | grep -i python

groovy -version

yum -y install groovy

yummy -y erase groovy

rpm - qa | grep -i groovy

26. to view mount points

vi /etc/fstab

mount -a (to mount)

27. replace pattern in a file

sed -i 's/oldpattern/newpattren/g' filename

28. null big files >access\_log

29. chmod u+x/g+x/o+x chmod 755 fname

30.top 5 processes by memory usage

ps -eo pmem,pcpu,vsize,pid,cmd | sort -k 1 -nr | head -5

31. touch fname

32. echo "test" | mailx -s "test" bhaskar.danda@

33. sdiff file1 file2

34. less error.log

35. ?error

36. :/error

37. ln -s sourcepath linkpath

38. cat file1 >> file2 - append data

39. List of users : /etc/passwd

40. Check group: /etc/group

41. crontab -l grep pattern

42. ll /etc/yum.repos.d/

43. Create softLink- ln -s source target

Modify softLink- ln -sfn source target

**Vim editor cheat sheet**

Use the following commands in command mode:

h - Moves the cursor to the left by one character; you can also press the left arrow.

j - Moves the cursor one line down; you can also press the down arrow.

k - Moves the cursor one line up; you can also press the up arrow.

l - Moves the cursor to the right by one character; you can also press the right arrow.

w - Moves the cursor one full word to the right.

b - Moves the cursor one full word to the left.

0 - Moves the cursor to the beginning of the current line.

$ - Moves the cursor to the end of the current line.

~ - Changes the case of the current character.

dd - Deletes the current line.

D - Deletes everything on the line to the right of the cursor’s current position.

x - Deletes the current character.

u - Undo the last command.

. - Repeats the last command.

:w - Saves current file, but does not exit.

:wq - Saves current file, and quits.

**networking commands**

1.ipconfig , ipconfig /all

2.nslookup IP or dns

3.ping IP or host is rechargeable or not.

4.netstat - display network statistics

5.tracert host / ip

6.nc -v -w2 host port

port is opened or not between source and target, to open the firewall.

7.test telnet 443 on abc.com

curl -v telnet://abc.com:443

**Performance tuning commands**

**Swap memory in and out**

#1

ls -al /var/log/sa | grep "Oct 12"

sal12

sar12

sar -W -f /var/log/sa/sa12