ls

```
[www@www tmp]$ ls -alhS | more
```

option
a : all
l : long format
h : human reading (K, M, G)
S : sort by Size, t : sort by Time

find

'_header.txt'

```
[www@www tmp]$ find ./ -type 'd' -ls -exec cp ./_header.txt {} \;
```

O

```
[www@www tmp]$ find ./ -type 'f' -size 0 -ls
or
[www@www tmp]$ find ./ -type 'f' -empty
```

O

```
[www@www tmp]$ find ./ -type f -size 0 -exec rm -f {} \;
or
[www@www tmp]$ find ./ -type f -size 0 | xargs rm -f
or
[www@www tmp]$ find ./ -type f -size 0 -delete
```

[Find and delete the zero size files and empty directories](#)

du

```
[www@www tmp]$ du | sort -nr
```

sed

```
[www@www tmp]$ sed -i 's|/hello/|/Hello Word|g' *.conf
```

> /hello   , /Hello Word   , *.conf   conf

crontab

```
[www@www tmp]$ crontab -e
#Repia_Search_RealRank
0,10,20,30,40,50 8-20 * * * /opt/search/RSA/bin/realRank.sh
0 7 * * * /opt/search/RSA/bin/acsctl.sh restart
#root
0,10,20,30,40,50 8-20 * * * su - search -c /opt/search/RSA/bin/realRank.sh
0 7 * * * su - search -c /opt/search/RSA/bin/acsctl.sh restart
```

> -e   , -l
> www   crontab -e   www   .
>
> crontab

```
*□□□□□□*□□□□□□*□□□□□□*□□□□□□*
 (0-59)        (0-23)      (1-31)      (1-12)          (0-7)
```

  • [(Linux Crontab)](Linux Crontab)

tar

```
[www@www tmp]$ tar fczvh search.tar.gz search
```

> f: tar   , c: tar   , z: gzip   , v: View   , h(
>   ) :

(,   ,   , ...)

```
[www@www tmp]$ tar tvfz archive.tar.gz
```

t: tar   List   , v: , f: , z:

```
[www@www tmp]$ tar xvfzp archive.tar.gz          /
```

/   ,   tar tvfz   .

```
[www@www tmp]$ tar cvfz front_changwon.tar.gz front --exclude "*.mp4"
```

top

(CPU, Memory, Process)

- top

```
[www@www tmp]$ top -b  //
[www@www tmp]$ top -n  // top                    (        )
[www@www tmp]$ top -d [sec]  //                    Refresh
[www@www tmp]$ top -c  // command
```

lsof

list open files   ,   ,
                        .

```
$ lsof

COMMAND      PID        USER    FD      TYPE            DEVICE SIZE/OFF
NODE NAME
init          1        root    cwd      DIR             253,0    4096
2 /
init          1        root    rtd      DIR             253,0    4096
2 /
init          1        root    txt      REG             253,0  150352
3932 /sbin/init
init          1        root    mem      REG             253,0   65928
784927 /lib64/libnss_files-2.12.so
```

```
init            1     root  DEL      REG                  253,0
784911 /lib64/libc-2.12.so
init            1     root  DEL      REG                  253,0
785325 /lib64/libgcc_s-4.4.7-20120601.so.1.#prelink#.YDRQV5
init            1     root  DEL      REG                  253,0
784939 /lib64/librt-2.12.so
init            1     root  DEL      REG                  253,0
784935 /lib64/libpthread-2.12.so.#prelink#.0jHMuJ
```

.

- COMMAND :
- PID : process id
- USER :
- FD: File Descriptor,
- TYPE :
- DEVICE :
- SIZE/OFF :
- NODE :
- NAME :

-i   IPv4   IPv6   .

```
$ lsof -i 4

COMMAND     PID      USER   FD    TYPE DEVICE SIZE/OFF NODE NAME
rpcbind    1068       rpc   6u    IPv4  11858      0t0  UDP *:sunrpc
rpcbind    1068       rpc   7u    IPv4  11860      0t0  UDP *:819
rpcbind    1068       rpc   8u    IPv4  11861      0t0  TCP *:sunrpc (LISTEN)
rpc.statd  1086   rpcuser   5r    IPv4  11949      0t0  UDP *:838
rpc.statd  1086   rpcuser   8u    IPv4  11955      0t0  UDP *:47492
rpc.statd  1086   rpcuser   9u    IPv4  11959      0t0  TCP *:38374 (LISTEN)
cupsd      1159      root   7u    IPv4  12195      0t0  TCP localhost:ipp
(LISTEN)
```

Ref

- How can I sort du -h output by size
- 50

          ,   ,   ,   , slaptear,   , ls, find, seq, crontab, tar