

- description :
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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 {} \;
```

```
가 0   가
```

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

```
or
```

```
[www@www tmp]$ find ./ -type 'f' -empty
```

```
가 0
```

```
[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 가 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)
```

- [\(Linux Crontab\)](#)

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](#), [ls](#), [find](#), [seq](#), [crontab](#), [tar](#)