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**root** ,

/etc/profile, ~/.bash\_profile          PATH          “.”, “::”

```
(          ) PATH=.:$PATH:$HOME/bin  
(          ) PATH=$PATH:$HOME/bin:.
```

가

```
#find / -nouser -print
```

## **/etc/passwd**

/etc/passwd

```
#chmod 644 /etc/passwd  
#chown root /etc/passwd
```

## **/etc/shadow**

/etc/shadow

```
chmod 400 /etc/shadow  
chown root /etc/shadow
```

## **/etc/hosts**

```
chmod 600 /etc/hosts chown root /etc/hosts
```

## **/etc/(x)inetd.conf**

```
"/etc/xinetd.conf"          "/etc/xinetd.d/"          #chown root
/etc/xinetd.conf #chmod 600 /etc/xinetd.conf ※ "/etc/xinetd.d/"
```

## /etc/syslog.conf

```
CentOS6 #chown root /etc/rsyslog.conf #chmod 640 /etc/rsyslog.conf
```

## /etc/services

```
#chown root /etc/services #chmod 644 /etc/services
```

## SUID, SGID, Sticky bit

```
Step 1) #chmod -s <file_name> Step 2) #find / -xdev -user root -type f
\ ( -perm -04000 -o -perm -02000 \) -exec ls -al {} \; Step 3)
Setuid ( 가 )
#/usr/bin/chgrp <group_name> <setuid_file_name> #/usr/bin/chmod 4750 <setuid_file_name>
```

```
,
: ".profile", ".kshrc", ".cshrc", ".bashrc", ".bash_profile", ".login", ".exrc",
".netrc" ls -l .bash_profile chmod o-w .bash_profile
```

## world writable

```
world writable : 가 ( :
rwxrwxrwx root root < >) find / -type f -perm -2 -exec ls -l {} \;
chmod o-w <file name>
```

## /dev device

```
find /dev -type f -exec ls -l {} \; major, minor number 가 device
```

## \$HOME/.rhosts, hosts.equiv

```
ls -al /etc/hosts.equiv #chown root /etc/hosts.equiv #chmod 600 /etc/hosts.equiv
"/etc/hosts.equiv" "$HOME/.rhosts" " + " #cat
/etc/hosts.equiv (or $HOME/.rhosts)
```

# IP

```

Step 1) vi "/etc/hosts.deny" ( ) Step 2)
      , (ALL Deny ) ( ) ( ) ALL:ALL Step 3) vi
      "/etc/hosts.allow" ( ) ( ) ( )
) sshd : 192.168.0.148, 192.168.0.6 ( ) < TCP Wrapper
가 >

```

SYSTAT, FINGER, FTP, TELNET, RLOGIN, RSH, TALK, EXEC, TFTP, SSH

< TCP Wrapper > /etc/hosts.deny -> IP

/etc/hosts.allow --> IP -->

## RHEL 8

```

RHEL/CentOS 8 /etc/hosts.allow /etc/hosts.deny
libwrap . , 8 sshd
8 /etc/hosts.deny
OS firewalls IP firewall-
cmd -permanent -add-source=10.10.10.10 IP firewall-cmd -permanent -remove-
source=10.10.10.10 IP firewall-cmd -permanent -add-source=10.10.10.0/24
firewall-cmd -permanent -add-port=80/tcp firewall-cmd -permanent -add-
port=1000-2000/tcp firewall-cmd -reload

```

<https://access.redhat.com/solutions/3935901>

## hosts.lpd

```

Step 1) hosts.lpd #rm -rf /etc/hosts.lpd Step 2) (hosts.lpd
) #chmod 600 /etc/hosts.lpd Step 3) root (hosts.lpd ) #chown root
/etc/hosts.lpd

```

## UMASK

umask /etc/profile umask 022 export umask

"/etc/passwd" #chown <user\_name> <user\_home\_directory> #chmod o-w <user\_home\_directory>

```
passwd ( " / " ) 가 , 가
Step 1) 가 #userdel <user_name> Step 2) 가
#vi /etc/passwd #test:x:501:501:::/bin/bash ( 가 /
) #test:x:501:501::/home/test:/bin/bash ( / → /home/test)

#ls -al [ ] #find / -type d -name ".*" ( ) Step 1) #find
/ -type f -name ".*" ( ) #find / -type d -name ".*" ( ) Step 1)
Step 2) , -t
```

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Last update: 2022/01/11 07:49

