root ,

/etc/profile, ~/.bash_profile PATH " ." , " ::"

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

```
#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

/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
           (   )

```
#/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   :   (:
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              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   >

```
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

.

, 8 sshd libwrap 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>
```

/etc/passwd   ,
            (/)

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

```
#ls -al [          ]

#find / -type f —name ".*" (          )
#find / -type d -name ".*" (            )
```

Step 1)   Step 2)   ,
            -t