

ssh root

```

root ssh
. root su

```

```

$ sudo vim /etc/ssh/sshd_config
PermitRootLogin no

```

ftp

```

ftp
sql

```

```

vsftp

```

```

$ sudo vim /etc/vsftpd.conf
chroot_local_user=YES

```

```

chroot_list_file

```

ssh

```

가
/home
ftp
가
..

```

```

$ chmod 701 /home
$ chmod 701 /

```

root

```

gcc gcc+
df
ps
가

```

```
$ chmod 100 /usr/bin/gcc /usr/bin/g++  
$ chattr +i /usr/bin/gcc /usr/bin/g++
```

+i , , 가

가 .

```
$ chmod 100 /bin/ps  
$ chattr +i /bin/ps
```

. c c++ 가 가 .

su

su

```
$ vim /etc/group  
wheel:x:10:root,manager
```

. wheel:x:10:root , su 가
manager su .
su .

```
$ chown root.wheel /bin/su  
$ chmod 4750 /bin/su  
$ chattr +i /bin/su
```

su root wheel .

ping

ping . ping 가

```
$ vi /etc/sysctl.conf  
net.ipv4.icmp_echo_ignore_all=1
```

net.ipv4.icmp_echo_ignore_all=1 ping .

```
$ /sbin/sysctl -w net.ipv4.icmp_echo_ignore_all=0
```

ping 0 1 .

SYN Flooding

Dos

tcp_syscookies 1

```
$ vi /etc/sysctl.conf
net.ipv4.tcp_syscookies=1
```

. KLDP

Setuid

Setuid

passwd 가 root 가

```
$ ls -al /usr/bin/passwd
-rwsr-xr-x 1 root root 22984 1 7 2007 /usr/bin/passwd
```

rwsr rwxr rwsr . setuid가

setuid(0) c

Setuid 가 . setuid

find setuid가

```
$ find / -user root -perm -4000 -print
/usr/kerberos/bin/ksu
/usr/lib/nspluginwrapper/plugin-config
/usr/libexec/openssh/ssh-keysign
/usr/sbin/userhelper
/usr/sbin/usernetctl
/usr/sbin/suexec
/usr/sbin/ccreds_validate
/usr/bin/chfn
/usr/bin/rcp
/usr/bin/newgrp
/usr/bin/rlogin
/usr/bin/sudoedit
/usr/bin/at
/usr/bin/rsh
/usr/bin/chsh
/usr/bin/chage
/usr/bin/gpasswd
```

```
/usr/bin/crontab
/usr/bin/staprun
/usr/bin/sudo
/usr/bin/passwd
/usr/bin/Xorg
/lib/dbus-1/dbus-daemon-launch-helper
/sbin/umount.nfs4
/sbin/pam_timestamp_check
/sbin/mount.ecryptfs_private
/sbin/mount.nfs
/sbin/unix_chkpwd
/sbin/mount.nfs4
/sbin/umount.nfs
/bin/su
/bin/ping6
/bin/umount
/bin/mount
/bin/ping

$ find / -user root -perm -2000 -print
/sbin/netreport
/usr/bin/wall
/usr/bin/crontab
/usr/bin/ssh-agent
/usr/bin/write
/usr/bin/lockfile
/usr/bin/screen
/usr/local/firewall
/usr/libexec/utempter/utempter
/usr/sbin/sendmail.sendmail
/usr/sbin/lockdev
```

```
          setuid          ping          root
                setuid          .
```

```
$ chmod 100 /bin/ping
```

```
/usr/bin/change
/usr/bin/wall
/usr/bin/chfn
/usr/bin/at
/bin/mount
/bin/unmount
/usr/bin/crontab
/usr/bin/newgrp
/usr/bin/write
/usr/sbin/usernetctl
/bin/ping
```

/bin/traceroute

가

가

...

ftp ssh

root .bash_history

. lastlog

ssh

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