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ssh root

root ssh . root

\$ 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

\$ chmod 701 /home

\$ chmod 701 /

root

gcc gcc+ df ps 가

```
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```

```
$ chmod 100 /usr/bin/gcc /usr/bin/g++
$ chattr +i /usr/bin/gcc /usr/bin/g++
                                                                            가
                                                     +i
가
$ chmod 100 /bin/ps
$ chattr +i /bin/ps
                      가
                                        가
                                                   가
       . c c++
su
                                   su
$ vim /etc/group
wheel:x:10:root,manager
                 wheel:x:10:root
                                                               가
                                            , su
                 manager
                              su
                 su
$ chown root.wheel /bin/su
$ chmod 4750 /bin/su
$ chattr +i /bin/su
         root wheel
su
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
```

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SYN Flooding

Dos

tcp_syscookies 1

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

. KLDP

SetuID

Setuid

.

passwd 가 가 passwd root

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

rwsr rwsr . setuid가

setuid(0) c

Setuid . setuid

가 .

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

```
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```

```
/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
                                        root
                            ping
```

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
```

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/bin/traceroute

· 가 가 가 .

...

ftp ssh . lastlog ssh root .bash_history

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