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https://atl.kr/dokuwiki/doku.php%EC%84%9C%EB%B9%84%EC%8A%A4_%EA%B4%80%EB%A6%AC?rev=1642406165

finger

```
Finger( ) 가 가 가
  가   )   가   )
  가   )   가   )
```

※ Finger(): who finger

rhel inetd

```
#cat /etc/inetd.conf
#finger stream tcp nowait bin /usr/lbin/fingered
```

fingerd

Step 1) /etc/inetd.conf finger # ()

```
( ) finger stream tcp nowait bin /usr/lbin/fingered fingerd
( ) #finger stream tcp nowait bin /usr/lbin/fingered fingerd
```

Step 2) inetd

```
#ps -ef | grep inetd
root 141 1 0 15:03:22 ? 0:01 /usr/sbin/inetd -s
#kill -HUP [PID]
```

rhel xinetd

```
#ls -all /etc/xinetd.d/* | egrep "echo finger"
```

finger 가

Step 1) vi /etc/xinetd.d/finger Step 2) (Disable
= yes)

```
service finger
{
```

```
    socket_type = stream
    wait = no
    user = nobody
    server = /usr/sbin/in.fingerd
    disable = yes
}
```

Step 3) xinetd

```
#service xinetd restart
```

Anonymous FTP

FTP

Anonymous FTP(FTP) anonymous
가) local exploit

가

FTP

/etc/passwd ftp anonymous

```
#userdel ftp
```

ProFTP

conf/proftpd.conf anonymous User, Useralias
(proftpd.conf)

```
<Anonymous ~ftp> <- Anonymous
# User ftp <- anonymous
Group ftp
# UserAlias anonymous ftp <-
</Anonymous>
```

vsFTP

vsFTP (/etc/vsftpd/vsftpd.conf , /etc/vsftpd.conf)

```
anonymous_enable=N0
```

<https://access.redhat.com/solutions/2048173>

r

r-command NET Backup

, 가

rsh, rlogin, rexec r command ,
가

rsh, rlogin, rexec (shell, login, exec)

```
#ls -all /etc/xinetd.d/* | egrep "rsh|rlogin|rexec" | egrep -v "grep|klogin|kshell|kexec"
```

Step 1) vi /etc/xinetd.d/ rlogin, rsh, rexec

Step 2) (Disable = yes) • /etc/xinetd.d/rlogin • /etc/xinetd.d/rsh •
/etc/xinetd.d/rexec

```
service rlogin
{
    socket_type = stream
    wait = no
    user = nobody
    log_on_success += USERID
    log_on_failure += USERID
    server = /usr/sbin/in.fingerd
    disable = yes
}
```

Step 3) xinetd

```
#service xinetd restart
```

r-command (\$HOME/.rhosts, hosts.equiv
- .rhosts, hosts.equiv) Step 1) r command
hostname(IP)
※ IP IP - .rhosts, hosts.equiv 600 -
TCP_Wrapper IP 가

```
rlogin, rshell, rexec          backup,  
                                (/etc/hosts.equiv  
                                -  
                                )  
                                .rhosts
```

<https://access.redhat.com/solutions/7321>

cron

```
graph TD; cron[cron] --> crontab[crontab]; root[root] --> crontab; cron --> /etc/cron.daily["/etc/cron.daily"]; cron --> /etc/cron.monthly["/etc/cron.monthly"]; cron --> /etc/cron.deny["/etc/cron.deny"]; /etc/cron.daily --> crontab; /etc/cron.monthly --> crontab; /etc/cron.deny --> crontab; crontab --> /etc/cron.allow["/etc/cron.allow"]; /etc/cron.allow --> cron.hourly["/etc/cron.hourly"]; /etc/cron.weekly["/etc/cron.weekly"] --> cron.hourly
```

Step 1) crontab (crontab OS) * crontab
SUID가 SUID

```
# ls -l /usr/bin/crontab  
# chmod 750 /usr/bin/crontab
```

Step 2) cron

```
# chown root <cron>  
# chmod 640 <cron>
```

■ crontab
/etc/cron.d/cron.allow
/etc/cron.d/cron.deny

```
#chown root /etc/cron.d/cron.allow
#chmod 640 /etc/cron.d/cron.allow
#chown root /etc/cron.d/cron.deny
#chmod 640 /etc/cron.d/cron.deny
```

Step 2) /etc/cron.d/cron.allow /etc/cron.d/cron.deny

```
# cat /etc/cron.allow (crontab )  
# cat /etc/cron.deny (crontab )
```

Dos

echo, discard, daytime, chargen, ntp,
snmp

가 DoS()

LINUX (xinetd)

Step 1) vi /etc/xinetd.d/ echo, discard, daytime, chargen

Step 2) (Disable = yes)

- /etc/xinetd.d/echo (echo-dgram, echo-stream)
- /etc/xinetd.d/discard (discard-dgram, discard-stream)
- /etc/xinetd.d/daytime (daytime-dgram, daytime-stream)
- /etc/xinetd.d/chargen (chargen-dgram, chargen-stream)

```
service echo
{
    disable = yes
    id = echo-stream
    type = internal
    wait = no
    socket_type = stream
}
```

Step 3) xinetd

```
#service xinetd restart
```

NFS

NFS

NFS

NFS (NFS SID)

```
#ps -ef | egrep "nfs|statd|lockd"
root 3809 3721 0 08:44:40 ? 0:00 /usr/lib/nfs/nfsd
```

Step 1) NFS

```
#systemctl stop nfs
#systemctl disable nfs
#kill -9 [PID]
```

Step 2) ,

```
1.
#ls -al /etc/rc.d/rc*.d/* | grep nfs
2.
#mv /etc/rc.d/rc2.d/S60nfs /etc/rc.d/rc2.d/_S60nfs
```

NFS

가

가

가

,

가 NFS
, everyone

NFS
/etc/exports

Step 1) /etc/exports

가

가

```
( ) #/stand host1( IP ) host2
```

Step 2) nobody

```
# vi /etc/export
# /stand host1 (root_squash)
```

()

“insecure”

Step 3. NFS

```
#/etc/exportfs -u
#/etc/exportfs -a
```

automountd

가 automountd RPC(Remote Procedure Call)
 가
 root , 가
 automountd

```
automountd
#ps -ef | grep automount(or autofs)
root 1131 1 0 jun 15 ? 32:11 /usr/sbin/automountd
Step 1) automountd
#kill -9 [PID]
Step 2)
1.
#ls -al /etc/rc.d/rc*.d/* | grep automount(or autofs)
2.
#mv /etc/rc.d/rc2.d/S28automountd /etc/rc.d/rc2.d/_S28automountd
```

RPC

(, Dos,) RPC

가 root (Buffer Overflow), Dos, RPC

RPC : rpc.cmsd, rpc.ttdbserverd, sadmind, rusersd, walld, sprayd, rstatd, rpc.nisd, rex, rpc.pcnsd, rpc.statd, rpc.ypupdated, rpc.rquotad, kcns_server, cachefs

LINUX (inetd) Step 1) /etc/inetd.conf # ()

```
(      ) rpc.cmsd/2-4 dgram rpc/udp wait root /usr/dt/bin/rpc.cmsd rpc.cmsd
(      ) #rpc.cmsd/2-4 dgram rpc/udp wait root /usr/dt/bin/rpc.cmsd rpc.cmsd
```

Step 2) inetd

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https://atl.kr/dokuwiki/doku.php/%EC%84%9C%EB%B9%84%EC%8A%A4_%EA%B4%80%EB%A6%AC?rev=1642406165

```
#ps -ef | grep inetd
root 141 1 0 15:03:22 ? 0:01 /usr/sbin/inetd -s
#kill -HUP 141
```

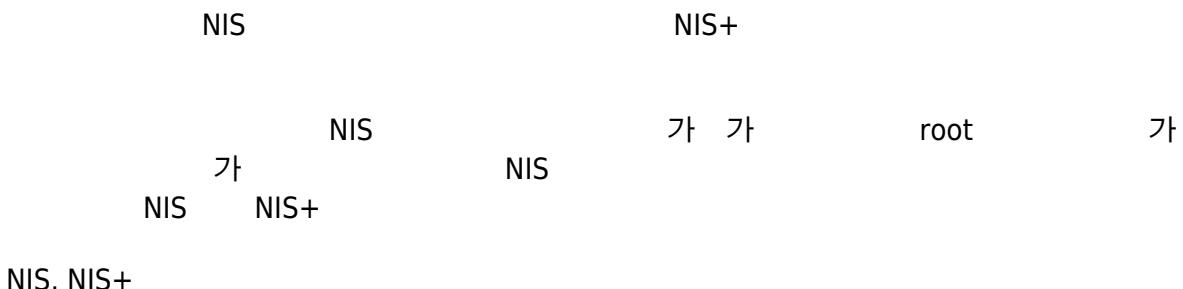
LINUX (xinetd) Step 1) vi /etc/xinetd.d/ RPC
Step 2) (Disable = yes)

```
service finger
{
    disable = yes
    socket_type = stream
    wait = no
    -
}
```

Step 3) xinetd

```
#service xinetd restart
```

NIS, NIS+



```
#ps -ef | egrep "ypserv|ypbind|ypxfrd|rpc.ypasswdd | rpc.ypupdated"
root 3809 3721 0 08:44:40 ? 0:00 /usr/lib/nis/ypserv
```

Step 1) NFS

```
#kill -9 [PID]
```

Step 2) , 1.

```
#ls -al /etc/rc.d/rc*.d/* | egrep  
"ypserv|ypbind|ypxfrd|rpc.yppasswdd|rpc.ypupdated"
```

2.

```
#mv /etc/rc.d/rc2.d/S73ypbind /etc/rc.d/rc2.d/_S73ypbind
```

tftp, talk

가

Linux [inetd]

```
#cat /etc/inetd.conf | grep "tftp|talk|ntalk"
tftp dgram udp6 SRC nobody /usr/sbin/tftpd tftpd -n
```

Step 1) vi "/etc/inetd.conf"

```
#vi /etc/inetd.conf
```

Step 2) tftp, talk, ntalk

```
#tftp dgram udp6 SRC nobody /usr/sbin/tftpd tftpd -n  
#talk dgram udp wait root /usr/sbin/talkd talkd  
#ntalk dgram udp wait root /usr/sbin/talkd talkd
```

Step 3) inetd

```
#kill -HUP [inetd pid]
```

Linux [xinetd] tftp, talk, ntalk

```
#vi /etc/xinetd.d/tftp  
#vi /etc/xinetd.d/talk  
#vi /etc/xinetd.d/ntalk
```

Step 1) vi /etc/xinetd.d/ tftp, talk, ntalk

Step 2) (Disable = yes) /etc/xinetd.d/tftp /etc/xinetd.d/talk
/etc/xinetd.d/ntalk

```
service tftp
{
    socket_type = dgram
    protocol = udp
    wait = yes
    user = root
    server = /usr/sbin/in.tftpd
    server_args = -s /tftpboot
    disable = yes
}
```

Step 3) xinetd

```
#service xinetd restart
```

Sendmail

Sendmail
Sendmail
Sendmail 가 (Buffer Overflow)

1. Sendmail

```
#ps -ef | grep sendmail
```

2. Sendmail

```
#telnet localhost 25
```

Sendmail , <http://www.sendmail.org/> , OS

SMTP

,

가

Dos

SMTP

```
#ps -ef | grep sendmail | grep -v "grep"
#cat /etc/mail/sendmail.cf | grep "R$\\*" | grep "Relaying denied"
R$* $#error $@ 5.7.1 $: "550 Relaying denied"
```

Step 1) vi /etc/mail/sendmail.cf /etc/sendmail.cf

Step 2)

```
(      ) #R$* $#error $@ 5.7.1 $: "550 Relaying denied"
(      ) R$* $#error $@ 5.7.1 $: "550 Relaying denied"
```

Step 3) IP, domain, Email Address sendmail ()

```
#cat /etc/mail/access
)
localhost.localdomain RELAY
localhost RELAY
127.0.0.1 RELAY
spam.com REJECT
```

Step 4) DB

```
#makemap hash /etc/mail/access.db < /etc/mail/access
```

Sendmail

가

q
SMTP

Sendmail

drop

가 q

, Sendmail

drop

SMTP

SMTP restrictqrun

```
#ps -ef | grep sendmail | grep -v "grep"  
#grep -v '^ *#' /etc/mail/sendmail.cf | grep PrivacyOptions
```

Step 1) vi /etc/mail/sendmail.cf

Step 2) O PrivacyOptions= restrictqrun 가

```
(      ) 0 PrivacyOptions=authwarnings, novrfy, noexpn  
(      ) 0 PrivacyOptions=authwarnings, novrfy, noexpn, restrictqrun
```

Step 3. Sendmail

DNS

BIND

(2016.01 9.10.3-P2),
(Buffer Overflow) DNS

DNS BIND

```
#ps -ef | grep named  
named -v
```

DNS

DNS BIND

1. BIND

가

2.

BIND

,

- Inverse Query (Buffer Overflow) : BIND 4.9.7 BIND 8.1.2
- NXT (buffer overflow) : BIND 8.2, 8.2 p1, 8.2.1 • solinger (Denial of Service) : BIND 8.1
- fdmax (Denial of Service) : BIND 8.1 • Remote Execution of Code(Buffer Overflow) : BIND 4.9.5 to 4.9.10, 8.1, 8.2 to 8.2.6, 8.3.0 to 8.3.3 • Multiple Denial of Service: BIND 8.3.0 - 8.3.3, 8.2 - 8.2.6 • LIBRESOLV: buffer overrun(Buffer Overflow) : BIND 4.9.2 to 4.9.10
- OpenSSL (buffer overflow) : BIND 9.1, BIND 9.2 if built with OpenSSL(configure -with-openssl)
- libbind (buffer overflow) : BIND 4.9.11, 8.2.7, 8.3.4, 9.2.2 • DoS internal consistency check (Denial of Service) : BIND 9 ~ 9.2.0 • tsig bug (Access possible) : BIND 8.2 ~ 8.2.3
- complain bug (Stack corruption, possible remote access) : BIND 4.9.x • zxfr bug (Denial of service) : BIND 8.2.2, 8.2.2 patchlevels 1 through 6 • sigdiv0 bug (Denial of service) : BIND 8.2, 8.2 patchlevel 1, 8.2.1, 8.2.2, 8.2.2 patchlevels 1-6 • srv bug(Denial of service): BIND 8.2, 8.2 patchlevel 1, 8.2.1, 8.2.2, 8.2.2 patchlevels 1-6 • nxt bug (Access possible) : BIND 8.2, 8.2 patchlevel 1,

8.2.1 • BIND 4.9.8 , 8.2.3 - TSIG
 - nslookupComplain()
 information leak - sig bug Denial of service - nslookupComplain() input validation -
 maxdname bug enial of service - naptr bug Denial of service -

DNS Zone Transfer

가

Zone Transfer

,

가 Zone Transfer

Zone

,

DNS /etc/named.conf allow-transfer xfrnets

```
#ps -ef | grep named | grep -v "grep"
#cat /etc/named.conf | grep 'allow-transfer'
#cat /etc/named.boot | grep "xfrnets"
```

< DNS > ■ BIND8 DNS (named.conf)

```
Options {
  allow-transfer ( IP; );
};
```

■ BIND4.9 DNS (named.conf)

```
Options
  xfrnets IP
```

< DNS > DNS (DNS SID)

```
#ps -ef | grep named
root 3809 3721 0 08:44:40 ? 0:00 /usr/sbin/in.named
```

DNS

```
#kill -9 [PID]
```

WEB

가

,

Indexes

```
#vi /[Apache_home]/conf/httpd.conf  
Options Indexes FollowSymLinks
```

“Indexes”

Step 1) vi /[Apache_home]/conf/httpd.conf

```
#vi / [Apache_home]/conf/httpd.conf
```

Step 2) Options Indexes () Option

```
<Directory />
  Options Indexes FollowSymLinks
  AllowOverride None
  Order allow, deny
  Allow from all
</Directory>
```

() Option Indexes -Indexes

```
<Directory />
  Options Indexes      (      -Indexes)
  AllowOverride None
  Order allow, deny
  Allow from all
</Directory>
```

Apache root

root			가	
root		가	가	, root
Apache	(User	Group)		

```
#vi /[Apache_home]/conf/httpd.conf  
User [root가 ]  
Group [root가 ]
```

User [root가] Group [root가]]

Step 2) Apache

가

가
가
가

AllowOverride Authconfig

```
#vi /[Apache_home]/conf/httpd.conf  
AllowOverride None
```

AllowOverride None

Step 1) vi /[Apache_home]/conf/httpd.conf

```
#vi /[Apache_home]/conf/httpd.conf
```

Step 2) **AllowOverride** **AuthConfig**

```
(      ) AllowOverride      ' 'None' '
<Directory "/usr/local/apache2/htdocs">
  AllowOverride None
  Allow from all
```

```
</Directory>  
(      ) AllowOverride      ''AuthConfig''  
<Directory "/usr/local/apache2/htdocs">  
  AllowOverride AuthConfig  
  Allow from all  
</Directory>
```

Step 3) .htaccess ()

```
AuthName "  
AuthType Basic  
AuthUserFile /usr/local/apache/test/.auth  
Require valid-user
```

```
      AuthName      (          )          ) AuthType      (Basic  
, Digest) AuthUserFile      (          )          ) AuthGroupFile  
      (      ) Require      ,
```

Step 4)

```
htpasswd -c /usr/local/apache/test/.auth test  
New password:  
Re-type new password:  
Adding password for user test  
[root@localhost apache]#
```

Step 5) Apache

Apache

Apache htdocs

```
#ls -ld /[Apache_home]/htdocs/manual  
#ls -ld /[Apache_home]/manual
```

가
,

Step 1) #ls

```
#rm -rf /[Apache_home]/htdocs/manual  
#rm -rf /[Apache_home]/manual
```

Step 2) #ls

```
#ls -ld /[Apache_home]/htdocs/manual  
#ls -ld /[Apache_home]/manual
```

Step 3) 가 가

, aliases

(DocumentRoot) root (/)
root 가

Options FollowSymLinks

```
#vi /[Apache_home]/conf/httpd.conf  
Options Indexes FollowSymLinks
```

Step 1) vi /[Apache_home]/conf/httpd.conf

```
#vi /[Apache_home]/conf/httpd.conf
```

Step 2) Options FollowSymLinks

```
( ) Options FollowSymLinks  
<Directory />  
    Options Indexes FollowSymLinks  
    AllowOverride None  
    Order allow, deny  
    Allow from all  
</Directory>
```

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```
(      ) Options          FollowSymLinks      -FollowSymLinks
<Directory />
  Options FollowSymLinks      -FollowSymLinks
  AllowOverride None
  Order allow, deny
  Allow from all
</Directory>
```

가

가 가

LimitRequestBody

```
#vi /[Apache_home]/conf/httpd.conf
LimitRequestBody 5000000
(                  5M                  )
```

Step 1) vi /[Apache_home]/conf/httpd.conf

```
#vi /[Apache_home]/conf/httpd.conf
```

Step 2) LimitRequestBody

```
)  
<Directory />
LimitRequestBody 5000000 (  "/"      5M      :byte)
</Directory>
```

가 가
OS

```

, 가 가
DocumentRoot #vi
/[Apache_home]/conf/httpd.conf DocumentRoot "/usr/local/apache/htdocs" DocumentRoot
"/usr/local/apache2/htdocs" DocumentRoot "/var/www/html" DocumentRoot 가
Step 1) vi
/[Apache_home]/conf/httpd.conf #vi /[Apache_home]/conf/httpd.conf Step 2) DocumentRoot
"/usr/local/apache/htdocs", "/usr/local/apache2/htdocs", "/var/www/html" 가
DocumentRoot " "

```

ssh

```

SSH / 
Telnet, FTP
/
가 Step 1) SSH
#service start sshd , #service start ssh Step 2) SSH 가 OS
SSH

```

ftp

```

FTP 가 FTP 가
ftp ( #ps -ef | grep ftp vsftpd ProFTP (vsftpd, proftpd
SID ) #ps -ef | egrep "vsftpd|proftpd" root 3809 3721 0 08:44:40 ? 0:00 /usr/sbin/vsftpd
"ftp" vsftpd ProFTP
# service vsftpd(proftpd) stop /etc/rc.d/init.d/vsftpd(proftpd) stop kill -9 [PID]

```

ftp shell

```

FTP ftp (Shell)
,
ftp /bin/false #cat /etc/passwd ftp:x:500:100:Anonymous FTP
USER:/var/ftp:/sbin/bash "passwd" "/bin/false" 가
Step 1) vi "/etc/passwd" Step 2) ftp
/bin/false ( ftp:x:500:100:Anonymous FTP
USER:/var/ftp:/sbin/bash ( ftp:x:500:100:Anonymous FTP USER:/var/ftp:/bin/false Step 3) #
usermod -s /bin/false [ ID] 가 * Step 2 Step3 usermod

```

Ftpusers

```

ftpusers 가 ftp ftpusers
ftpusers 가 ftpusers , FTP
/etc/ftpd/ftpusers rw-r-- root <ftpusers > "ftpusers" #ls -al /etc/ftpusers #ls -al
640 가

```

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```
FTP /etc/ftpusers      , /etc/ftpd/ftpusers ProFTP /etc/ftpusers      , /etc/ftpd/ftpusers vsFTP
/etc/vsftpd/ftpusers, /etc/vsftpd/user_list      , /etc/vsftpd.ftpusers, /etc/vsftpd.user_list Step 1)
"/etc/ftpusers"          #ls -l /etc/ftpusers Step 2) "/etc/ftpusers"
(      root,      640) #chown root /etc/ftpusers #chmod 640 /etc/ftpusers ※ vsFTP
FTP          (1) vsftpd.conf      userlist_enable=YES      : vsftpd.ftpusers,
vsftpd.user_list      ftpusers, user_list      (ftpusers, user_list
) (2) vsftpd.conf      userlist_enable=NO      ,
: vsftpd.ftpusers      ftpusers      (ftpusers
)
```

Ftpusers

```
root  FTP          root
FTP          가
#cat /etc/ftpusers #cat /etc/ftpd/ftpusers #root (      )      , root      ProFTP #cat
/etc/proftpd.conf RootLogin on vsFTP #cat /etc/vsftp/ftpusers #cat /etc/vsftp/user_list      #cat
/etc/vsftpd.ftpusers #cat /etc/vsftpd.user_list #root (      )      , root      root
FTP          가          <      FTP
root          > Step 1) vi      ftpusers      (" /etc/ftpusers"
"/etc/ftpd/ftpusers") #vi /etc/ftpusers      /etc/ftpd/ftpusers Step 2) ftpusers      root      가
,      (      ) #root      , root      (      ) root < ProFTP      ROOT
> Step 1) vi      proftpd      (" /etc/proftpd.conf")      #vi /etc/proftpd.conf Step
2) proftpd      (" /etc/proftpd.conf")      RootLogin off      (      ) RootLogin on (      )
RootLogin off Step 3) ProFTP      < vsFTP      ROOT      > Step 1) vi
      ftpusers      (" /etc/vsftp/ftpusers"      , "/etc/vsftpd.ftpusers") #vi /etc/vsftp/ftpusers
Step 2) ftpusers      root      가      ,      (      ) #root      , root      (      )
root Step 3) vsFTP      ※ vsFTP      FTP      (1) vsftpd.conf
userlist_enable=YES      : vsftpd.ftpusers, vsftpd.user_list      ftpusers, user_list (ftpusers,
user_list
: vsftpd.ftpusers      ftpusers      (ftpusers
)
```

at

```
at
root          at      ,
at          /etc/at.allow ← at      /etc/at.deny ←
at          "cron"
Step 1) at      (at      OS      ) ※ at
SUID가      SUID      # ls -l /usr/bin/at # chmod 4750 /usr/bin/at Step 2) cron
      # chown root <at      > # chmod 640 <at      > ■ at
      Step 1) "/etc/cron.d/at.allow"      "/etc/cron.d/at.deny"
      #chown root /etc/cron.d/at.allow #chmod 640 /etc/cron.d/at.allow #chown root
/etc/cron.d/at.deny #chmod 640 /etc/cron.d/at.deny Step 2) "/etc/cron.d/at.allow"
      "/etc/cron.d/at.deny"      # cat /etc/at.allow (at      )
      # cat /etc/at.deny (at      )
```

SNMP

```

SNMP 가 SNMP
SNMP
Step 1) ps -ef | grep snmp      root 2028 1 0 Nov 24 ? 0:00
/usr/sbin/snmpd Step 2) snmp      #service snmpd stop

```

SNMP

```

Community String      Public, Private      가
SNMP
Community String      Community String      가
Community String      Default      public, private      ,
String
String
Dos
notConfigUser default public      가      #vi /etc/snmp/snmpd.conf com2sec
                                  "public"      , "private"
Step 1) vi      SNMP
#vi /etc/snmp/snmpd.conf Step 2) Community String      (      )
      ) com2sec notConfigUser default public (      ) com2sec notConfigUser default <      > Step
3)      # service snmpd restart

```

```

가
OS
OS
Step 1)      Step 2)
: vi      "/etc/motd"      #vi /etc/motd      Step 2)
      : vi      "/etc/issue.net"      #vi /etc/issue.net
Telnet
Step 3) FTP      : vi      "/etc/vsftpd/vsftpd.conf"
      #vi /etc/vsftpd/vsftpd.conf ftpd_banner=
      "/etc/mail/sendmail.cf"
      GreetingMessage="      " Step 4) SMTP      : vi
      #vi /etc/mail/sendmail.cf O Smtp
      #vi /etc/named.conf
      " Step 5) DNS      : vi      "/etc/named.conf"
      #vi /etc/named.conf

```

NFS

```

NFS      NFS
NFS      NFS
NFS      NFS
/etc/exports rw-r-r- root <nfs      > "NFS"      가 root 가
      644      가      "/etc/exports"
      (      root,      644) #chown root /etc/exports #chmod 644 /etc/exports
      #ls -al

```

expn, vrfy

```
SMTP      expn, vrfy
          VRFY, EXPN
          noexpn, novrfy      #vi
/etc/mail/sendmail.cf O PrivacyOptions= (noexpn, novrfy      goaway      ) ※ goaway
: authwarnings, noexpn, novrfy, noverb, needmailhelo, needexpnhelo, needvrfyhelo, nobodyreturn
          <           > Step 1) vi      "/etc/mail/sendmail.cf"
( , AIX  /etc/sendmail.cf #vi /etc/mail/sendmail.cf Step 2) "/etc/mail/sendmail.cf"      noexpn,
novrfy      가 (      ) O PrivacyOptions=authwarnings (      ) O
PrivacyOptions=authwarnings, noexpn, novrfy      goaway Step 3) SMTP      <
          > Step 1)      #ps -ef | grep sendmail root 441 1 0 Sep19 ? 00:00:00
sendmail: accepting connections #kill -9 [PID] Step 2)      SMTP      가
OS          1.      #ls -al /etc/rc*.d/* | grep sendmail 2.      #mv
/etc/rc2.d/S88sendmail /etc/rc2.d/_S88sendmail
```

Apache

```
HTTP      ,      OS
가      ,      OS
      ServerTokens, ServerSignature      # vi
/[Apache_Home]/conf/httpd.conf ServerTokens Prod ServerSignature off "httpd.conf"
ServerTokens, ServerSignature      가
      가 Step 1) vi      /[Apache_home]/conf/httpd.conf      #vi
/[Apache_home]/conf/httpd.conf Step 2)      ServerTokens      Prod
      ServerSignature Off      Off      (      ) <Directory /> Options Indexes
FollowSymlinks ServerTokens Prod ServerSignature Off -      - </Directory> ServerTokens
      Prod      Apache Min      Apache/2.2.3 OS
      +      Apache/2.2.3 (CentOS) (      ) Full      Apache/2.2.3 (CentOS)
DAV/2 PHP/5.16
```

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