

clamd[] / Sendmail



clamav []

1. Sendmail[] [] [] []

```
$> yum install -y sendmail-devel
```

1. clam[] [] - <http://sourceforge.net/projects/clamav/files/clamav/0.97.8/clamav-0.97.8.tar.gz>

2. [] [] & []

```
$> tar -zxvf clamav-0.97.8.tar.gz
$> useradd -s /bin/false clamav
$> cd clamav-0.97.8
$> ./configure --prefix=/usr/ --sysconfdir=/etc/ --enable-milter
$> make;make install
```

3. [] [] - Freshclam ([] [])

```
$> $ vi /etc/freshclam.conf
#Example
...
UpdateLogFile /var/log/clamav/freshclam.log
LogTime yes
DatabaseMirror database.clamav.net
NotifyClamd /etc/clamd.conf
SubmitDetectionStats /etc/clamd.conf
...
```

4. [] [] - Clamd (Clamav[])

```
$> vi /etc/clamd.conf
LogFile /var/log/clamav/clamd.log
LogTime yes
LogSyslog yes
PidFile /var/run/clamav/clamd.pid
LocalSocket /var/run/clamav/clamd.sock
FixStaleSocket yes
TCPSocket 3310
TCPAddr 127.0.0.1
StreamMaxLength 100M
User clamav
PhishingSignatures yes
PhishingScanURLs yes
MaxFileSize 30M
```

5. `clamav-milter` - Milter(SMTP `filter`)

```
$> vi /etc/clamav-milter.conf
MilterSocket /var/run/clamav/clamav-milter.sock
MilterSocketMode 666
FixStaleSocket yes
User clamav
PidFile /var/run/clamav/clamav-milter.pid
ClamdSocket unix:/var/run/clamav/clamd.sock
OnClean Accept
OnInfected Quarantine
OnFail Defer
LogFile /var/log/clamav/clamav-milter.log
LogTime yes
```

6. `clamav` `freshclam` `clamav` `clamav` `clamav`

```
$> mkdir /usr/share/clamav
$> cd /var/log
$> mkdir clamav
$> cd clamav
$> touch clamav-milter.log
$> touch clamd.log
$> touch freshclam.log
$> cd /var/run
```

```
$> mkdir clamav
$> chown -R clamav.clamav /var/log/clamav
$> chown -R clamav.clamav /var/run/clamav
$> chown -R clamav.clamav /usr/share/clamav
```

7. `clamav` & `clamav-milter` 실행

```
$> freshclam
$> /usr/sbin/clamav-milter
```

8. 실행 중인 프로세스 확인

```
$> ps -ef | grep clam
clamav 4242 1 0 15:37 ? 00:00:00 clamd
clamav 4251 1 0 15:37 ? 00:00:00 clamav-milter
```

Sendmail

1. `/etc/mail/sendmail.mc` 파일 편집

```
$> vi /etc/mail/sendmail.mc
...
INPUT_MAIL_FILTER(`clamav`, `S=local:/var/run/clamav/clamav-milter.sock, F=, T=S:4m;R:4m`)
define(`confINPUT_MAIL_FILTERS`, `clamav`)
...
*clamav ('')  
*clamav ('')
```

2. sendmail 서비스 freshclam 서비스와 연결

```
$> chkconfig sendmail off
```

3. `freshclam` 서비스 `sendmail` 서비스와 연결 (conf 파일)

```
$> freshclam -d
```

4. `/etc/rc.local` 파일에 서비스 실행

```
$> vi /etc/rc.local
/usr/sbin/clamd /usr/sbin/clamav-milter freshclam -d
$> /etc/init.d/sendmail start
```

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