Note: This README file refers to the contents of it's corresponding source tarball and the installation of amavis-new.

AUTO-STARTUP AND INSTALLATION INSTRUCTIONS

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These instruction have been tested with the version it was released with.

If you are using a newer version, examine the included Macintosh tarball for installation instruction, these files will be updated to correspond with it's released version as required.

The files included in the Macintosh tarball provide a way to start the service without logging in as well as a way to manually start, stop and reload this service.

First lets set up our user:

```
sudo niutil -create . /groups/clamav
sudo niutil -createprop . /groups/clamav gid 30
sudo niutil -create . /users/clamav
sudo niutil -createprop . /users/clamav uid 30
sudo niutil -createprop . /users/clamav gid 30
sudo niutil -createprop . /users/clamav shell /bin/tcsh
sudo niutil -createprop . /users/clamav home /tmp
sudo niutil -createprop . /users/clamav passwd "*"
```

amavis-new needs its config file and binaries in the right places and some space to work on the e-mail. So, being the nice admins that we, are we'll do this.

```
sudo cp amavisd.conf /etc/
sudo chown root /etc/amavisd.conf
sudo chmod 644 /etc/amavisd.conf
sudo cp amavisd /usr/bin/
sudo chown root /usr/bin/amavisd
sudo chmod 755 /usr/bin/amavisd
sudo mkdir /var/amavis
sudo chown clamav:clamav /var/amavis
sudo chmod 750 /var/amavis
sudo mkdir /var/virusmails
sudo chown clamav:clamav /var/virusmails
sudo chmod 750 /var/virusmails
sudo touch /var/amavis/whitelist_sender
```
~~~~~~

Before we can get it up and running we need to edit the `amavisd` config file. You can do this with `vi`, `emacs`, `pico`, BBEdit, TextEdit, etc.—pretty much whatever you want to. The file is `/etc/amavisd.conf` and you need to change the user and group that `amavis-new` runs as to "`clamav`" You'll also want to take a look at where the spam and virus notifications go and the name/location of any AV software files. This file defines the spam and virus policies on your mail server. Let me say that again to make sure you understand. This file determines all of your spam and virus policies. As such you really should spend some time looking it over so that you don't embarrass yourself later.

The following setting should be used, don't forget to set $mydomaini:

```
$daemon_user  = 'clamav';     # (no default;  customary: vscan or
amavis)
$daemon_group = 'clamav';     # (no default;  customary: vscan or
amavis)
$MYHOME   = '/var/amavis';   # a convenient default for other
settings
$pid_file  = "$MYHOME/amavisd.pid";
$lock_file = "$MYHOME/amavisd.lock";
$unix_socketname = "$MYHOME/amavisd.sock";  # when using sendmail
milter
```

If you didn't install the BerkleyDB stuff set the following to disbaled it's use:

```
$enable_db = 0;             # enable use of BerkeleyDB/libdb (SNMP
and nanny)
$enable_global_cache = 0;   # enable use of libdb-based cache if
$enable_db=1
```

amavisd - changed/added:

Now we need to tell the binary where the config file is located.

```
my($config_file) = '/etc/amavisd.conf';  # default location of
config file
```

Next we need to edit the Postfix files.

First you need to add the following line to `/etc/postfix/main.cf`; it will tell Postfix to run `amavisd` as a content filter before delivery.

```
content_filter=smtp-amavis:[127.0.0.1]:10024
```

Now add the following to `/etc/postfix/master.cf`:

```
#
# ==========================================================
#                      amavis-new
# ==========================================================
#
smtp-amavis unix -       -       y       -       2       smtp
   -o smtp_data_done_timeout=1200
   -o smtp_send_xforward_command_yes
   -o disable_dns_lookups=yes
127.0.0.1:10025 inet n       -       y       -       -       smtpd
   -o content_filter=
   -o local_recipient_maps=
   -o relay_recipient_maps=
   -o smtpd_restriction_classes=
   -o smtpd_client_restrictions=
   -o smtpd_helo_restrictions=
   -o smtpd_sender_restrictions=
   -o smtpd_recipient_restrictions=permit_mynetworks,reject
   -o mynetworks=127.0.0.0/8
   -o strict_rfc821_envelopes=yes
   -o smtpd_error_sleep_time=0
   -o smtpd_soft_error_limit=1001
   -o smtpd_hard_error_limit=1000
   -o receive_override_options=no_header_body_checks
```

STARTUP ITEM(if using with ClamAV see Alternate Startup Item)

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Move the "AMAVIS" folder to "/System/Library/StartupItems/".

```
sudo chown root:admin /System/Library/StartupItems/AMAVIS/*
sudo chmod 0755 /System/Library/StartupItems/AMAVIS/AMAVIS
```

Note: You can also place the folder in /Library/StartupItems/

Open /etc/hostconfig with an editor and insert the following line:

```
AMAVIS=-YES-
```

save the file.

With the flag set to "-YES-", amavis-new will be enabled at startup.

If you wish to disable auto startup at any time, set "AMAVIS=-NO-" in /private/etc/hostconfig and it will disable this service and prevent manually starting it.

With the service enabled, you can start, stop and reload the service manually at any time from terminal with one of the following commands:

```
sudo SystemStarter start "AMAVIS"
sudo SystemStarter stop "AMAVIS"
sudo SystemStarter restart "AMAVIS"
```

A safety has been built in preventing you from starting the service if you have disabled it in /private/etc/hostconfig.
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AUTO-STARTUP AND INSTALLATION INSTRUCTIONS FOR USE WITH CLAMAV

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See the Macintosh Installation instruction included with ClamAV.

Install amavis-new as instructed above excluding the STARTUP ITEM.

Install the AMAVISCLAMAV startup item using the above instructions and insert `"AMAVISCLAMAV=-YES-"` in `/private/etc/hostconfig`

Moving down to the @av_scanner section, locate the ClamAV-clamd section, change the location of the `clamd.sock` file to point at `/var/clamav/clamd.sock`

amavisd.conf - changed/added:

```
\&ask_daemon, ["CONTSCAN {}\n", "/var/clamav/clamd.sock"],
```

After all files have been installed and edited, you can start the service by issuing the following commands:

```
sudo SystemStarter start "AMAVISCLAMAV"
sudo postfix reload
```

It should be running and ready for testing.
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