

# RAVMD file

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## NAME

**ravmd** - rav mail scanning daemon

## SYNOPSIS

```
${BINDIR}/ravmd [-cdfhtvugsLTBIEDR] [--config=config_file][--dump_conf=config_file]
[--foreground] [--help] [--testconf=config_file] [--version] [--user=user_name][--group=group_name]
[--syslog] [--license] [--temp-path=directory] [--bin-path=directory] [--lib-path=directory]
[--etc-path=directory] [--data-path=directory] [--rave-path=directory]
```

## DESCRIPTION

### DEFINITIONS

“filter client”

A program that resides in the `${BINDIR}` directory and whose name depends on your MTA (i.e. **ravexim**, **ravsendmail**, **ravpostfix**, etc.). Its function is to hook the MTA's e-mail flux and pass every mail to **ravmd** for scanning. Depending on the response the “filter client” is receiving from **ravmd**, it will deliver or discard the respective mail message.

**ravmd** is powered by the platform independent *RAV Engine*, so it can detect and clean all malwares detected by this (i.e. Linux, Windows, DOS or Unices-based, viruses, macros, Trojans, hoaxes, etc.). The program can scan e-mail files in MIME format containing attachments encoded with: **base64**, **quoted-printable**, **uuencode**, **7bit**, **8bit**.

**ravmd** also supports:

- e-mail *content filtering* for the e-mail subject, attachment file names and message body; and
- an antispam functionality, based on the new bulk mail module, integrated in **ravmd** starting with its version 8.4.0, and older features like **Real-time Blackhole List** (RBL) or **White-Black List** (WBL), available in **ravmd** since version 8.3.3. For more details, please read the *ravmd configuration file* section in the *User Guide for RAV AntiVirus for Mail Servers*, available [here](#).

When **ravmd** starts, it loads its configuration from `${ETCDIR}/ravmd.conf`. If there are some errors (i.e. missing or bad format of these files), **ravmd** exits with non zero status. In all the other cases, **ravmd** starts in background and binds an UNIX socket (`${DATADIR}/run/_ravmdcom`) and listens it for “filter clients” queries. When a “filter client” connects to this socket, **ravmd** forks and the child will process “filter client” commands.

If started with `--syslog`, the daemon uses the system mail info log file for logging. The following command should display that file:

```
cat /etc/syslog.conf | grep -e ^[^\#].*mail\[^\ acdenw\] | \
awk '{print $2}'
```

If you would like to perform periodic updates to the RAV AntiVirus engine and virus signature files, you should use a scheduling daemon (**cron**, **fcron**, **ucron**...) to execute the `ravmdupdate.sh` script located in `${BINDIR}`. Please modify that script file to fit your configuration. We recommend configuring the scheduling process so that the update process is executed once or twice an hour.

*Example for **fcron**:*

```
su
fcrontab -e
```

Insert the following line to run `ravmdupdate.sh` every 30 minutes:

```
@ 30 ${BINDIR}/ravmdupdate.sh
```

*Example for **cron**:*

```
su
crontab -e
```

Insert the following line to run `ravmdupdate.sh` every 30 minutes:

```
*/30 * * * * ${BINDIR}/ravmdupdate.sh
```

## OPTIONS

Arguments are mandatory for both long and sort options.

**-c, --config=config\_file**

Use the `config_file` instead of `${ETCDIR}/ravmd.conf`.

**-d, --dumpconf=config\_file**

Print the configuration from `config_file` to **stdout**.

**-f, --foreground**

Run the daemon in foreground instead of background.

**-h, --help**

Display the help screen.

**-t, --testconf=config\_file**

Test the specified `config_file` configuration file.

**-v, --version**

Display the version of **ravmd**.

**-u, --user=user\_name**

**-g, --group=group\_name**

Use **user\_name** and **group\_name** as real user and real group for **ravmd** processes. By default the current user *uid* and *gid* are used.

---

**Important:** For security reasons, when **ravmd** is executed as root, it is highly recommended to use these options in order to drop the superuser privileges to an unprivileged user.

---

**-s, --syslog**

Use **syslog** daemon instead of RAV logging system.

**-L, --license**

Display the current license.

**-T, --temp-path=directory**

The temporary directory used to unpack large mail attachments (i.e. archived files).

**-B, --bin-path=directory**

The path to RAV binaries. The default value is `${BINDIR}`.

**-l, --lib-path=directory**

The path to RAV libraries. The default value is `${LIBDIR}`.

**-E, --etc-path=directory**

The path to RAV configuration files. The default value is `${ETCDIR}`.

**-D, --data-path=directory**

The path to RAV data files (**rave**, **log**, **run**, **tmp**, **ravmd.key**, etc.). The default value is `${DATADIR}`.

**-R, --rave-path=directory**

The path to RAV Engine directory (**rave**). The default value is `${DATADIR}/rave`.

## EXIT STATUS

On error it returns non-zero, else returns zero.

## BUGS

Please mail bug reports and suggestions to: [ravteam@ravantivirus.com](mailto:ravteam@ravantivirus.com)

## SEE ALSO

`ravmd.conf(5)`, `ravav(8)`, `sysklogd(8)`