Clam AntiVirus 0.86.2
*User Manual*

# Contents

# 1    Introduction

Clam AntiVirus is an anti-virus toolkit for UNIX, designed for e-mail scanning on mail
gateways.  It provides a flexible and scalable multi-threaded daemon,    an command6T30237 0 Td (vid (o)Tj 5

- HPUX 11.0

- SCO UNIX

- IRIX 6.5.20f

- Mac OS X

- BeOS

- Cobalt MIPS boxes

- Cygwin

- Windows Services for Unix 3.5 (Interix)

Some features may not be available on your operating system.  If youInterix4486 0 Td (are)Tj 18.1016 0 Td

```
yum update clamav
or
up2date -u clamav
```

Another very good repository is maintained by Dag Wieers: `http://dag.wieers.com/packages/clamav/`

- **PLD Linux Distribution**
  The RPM packages for the Polish(ed) Linux Distribution are maintained by Arkadiusz Miskiewicz (visit `http://www.pld-linux.org/`).

- **Mandrake**
  A RPM package for Mandrake is available on Mandrake's mirrors ande

forby

//clamav.or.id/snapshot/. Latest stable packages for Solaris 9 SPARC 64bit
are available at `http://clamav.citrus-it.net`

- **AIX**
  The binary packages for AIX are available in AIX PDSLIB, UCLA
  `http://aixpdslib.seas.ucla.edu/packages/clamav.html`

- **Mac OS X**
  There's a binary package available at `http://clamav.darwinports.com/`
  clamXav (see 8.6.6), a GUI for ClamAV running on MacOS X, is available at
  `http://www.markallan.co.uk/clamXav`

- **BeOS**
  BeClam is a port of ClamAV for the BeOS operating system. It includes a very
  simple GUI. Get it at `http://www.bebits.com/app/3930/`

- **MS Windows - Cygwin**
  ClamAV is a part of the official Cygwin port repository.

- **MS Windows - cygwin.dll based**
  All major features of ClamAV are implemented under Win3. using

## 3.3 Adding new system user and group

If you are installing ClamAV for the first time, you have to add a new user and group to your system: [3]

```
# groupadd clamav
# useradd -g clamav -s /bin/false -c "Clam AntiVirus" clamav
```

Consult a system manual if your OS has not *groupadd* and *useradd* utilities. The account should be locked in */etc/passwd* or

# 4   Configuration

## 4.1   clamd

If you are going to use the daemon, you have to edit the configuration file (in 6m B&ase
`clamd` won't run):

```
$ clamd
ERROR: Please edit the example config file /etc/clamd.conf.
```

This shows the location of the defaul0.8605 09805 0 Td (configuration)Tj 66.7569 0 Td (file.)Tj 22.0596 0 Td

## 4.4   Setting up auto-updating

`freshclad` is the default database updater for Clad  AntiV

```
const char *cl_retdbdir(void);
```

`cl_loaddb` loads selected database while `cl_loaddbdir` loads all databases from a `dirname` directory. `cl_retdbdir` returns a default (hardcoded) database directory path. After an initialisation an internal database representation will be saved under `root` (which must initially point to NULL) and a number of loaded signatures will be **added** [7] to `virnum`. You can eventually pass NULL if you don't care about a signature counter. Both `cl_loaddb`

## 6.4 Database reloading

The most important thing is to keep the internal instance of the database up to date. You can watch database changes with the `cl_stat` functions family.

```
int cl_statinidir(const char *dirname,
```

- **CL_SCAN_MAILURL**
  The mail scanner will download and scan URLs listed in a mail body. This flag
  should not be used on 6 25.885q102359erv 0 Td (77385q10235ers.0 Td (b49265q10235Due0 Td (b85

```
$ wget http://prdownloads.sourceforge.net/clamav/clamav-X.XX.tar.gzwget http:
```

– Run
  ```
  cvs -d:pserver:anonymous@cvs.sourceforge.net:/cvsroot/clamav co clamav-devel
  ```

– Visit `http://www.clamav.net/snapshot/`

- **I'm a MS Windows user. Can I**

AMaViS-ng is

### 8.1.7   ClamSMTP

**Homepage:** `http://memberwebs.com/nielsen/software/clamsmtp/`
**Supports:** clamd

ClamSMTP is an SMTP filter for Postfix and other mail servers that checks for viruses using the ClamAV anti-virus software. It aims to be lightweight, reliable, and simple rather than have a myriad of options. Written in C without major dependencies.

### 8.1.8   clapf

**Homepage:** `http://thorium.ath.cx/clapf/`
**Supports:** libclamav

Clapf is a clamav based virus scanning and anti-spam content filter for Postfix.

### 8.1.9   DSpamPD

**Homepage:** `http://caspian.dotconf.net/menu/Software/DspamPD/`
**Supports:** clamd

DspamPD is a

### 8.1.12   hMailServer

**Homepage:** `http://www.hmailserver.com/`
**Supports:** ClamAV

hMailServer is a free, open source e-mail server for Microsoft Windows. It supports all the common mail protocols and comes with a easy to use COM library that can be used for integration with external software. It also has supports for virtual domains, distribution a39 s,ClamAV,

### 8.1.17   MailScanner

**Homepage:** `http://www.mailscanner.info/`
**Supports:** clamscan

MailScanner scans all e-mail for viruses, spam and attacks against security vulnerabilities. It is not tied to any particular virus scanner, but can be used with any combination of 14 different virus scanners, allowing sites to choose the "best

```
vuftw
```

### 8.1.28   qscanq

**Homepage:** `http://budney.homeunix.net:8080/users/budney/software/qscanq/`

### 8.1.37   smtpfilter

**Homepage:** `http://www.gtoal.com/spam/smtpfilter.c.html`
**Supports:** clamscan

smtpfilter is a filter for an SMTP session which passes the session through transparently in real time, except for the DATA command which is intercepted in order to scan the

data

Softlabs AntiVirus is a generic anti-virus filter for incoming mail servers on Unix, running as plugin for procmail. In addition, it plugs to the Clam

### 8.6.6   clamXav

**Homepage:**

### 8.7.6   php-clamav

**Homepage:**

| Mirror | IP | Location | Administrator |
|--------|-----|----------|---------------|
| `clamav.man.olsztyn.pl` | 213.184.16.3 | Olsztyn, Poland | Robert d'Aystetten `<dart*man.olsztyn.pl>` |
| `avmirror1.prod.rxgsys.com` | 64.74.124.90 | USA | Graham Wooden `<graham*rxgsys.com>` |
| `avmirror2.prod.rxgsys.com` | 207.201.202.73 | USA | Graham Wooden `<graham*rxgsys.com>` |
| `clamav.power-netz.de` | 212.162.12.159 | Dusseldorf, Germany | Andreas Gietl `<a.gietl*e-admin.de>` |
| `clamav.essentkabel.com` | 195.85.130.84 | Netherlands | Chris van Meerendonk `<mirror*essentkabel.com>` |
| `clamav.inet6.fr` | 62.210.153.201 62.210.153.202 | France | Lionel Bouton `<clamavdb*inet6.fr>` |
| `clamav.netopia.pt` | 193.126.14.29 | Portugal | Miguel Bettencourt Dias `<mbd*netopia.pt>` |
| `clamav.sonic.net` | 209.204.175.217 | USA | Kelsey Cummings |

| Mirror | IP | Location | Administrator |
|---|---|---|---|
| clamav.mirrors.nks.net | 24.73.112.74 | Florida, USA | James Neal <clam-admin*nks.net> |
| clamav.kratern.se | 212.31.160.239 | Sweden | |

21.-15i 14.991Ljungdah Td (Neal)Ti ET Q q 4.8 0 0 -120 5153.08 6586.48 cm BI /IM true /W 1 /H 1 /BPC 1 ID  EI Q q 4.8 0 0 -120 463.08 6586.48 cm

| Mirror | IP | Location | Administrator |
|--------|----|---------|--------------|
| clamav.univ- | | | |

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- Diego d'Ambra `<da*softcom.dk>`

- Michael Dankov `<misha*btrc.ru>`

- Y

- Michal Jaegermann `<michal*harddata.com>`

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- Per Jessen `<pe8.ju6puter.org>`

- Dav

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- Alex S Moore `<asmoore*edge.net>`

- Tim Morgan `<tim*sentinelchickea.org>`

- Jan Ondrej `<ondrejj*salstar.sk>`

- Up Time Technology (`http://www.uptimetech.com/`)

- Ulfi

- Jeremy Vanderburg (`http://www.jeremytech.com/`)

- Web.arb52 - Online-Marketing (`http://www.webarb52 .de/`)

- Webzon  Srl (`http://www.webzon .it/`)

- Markus Welsch (`http://www.linux-corner.net/`)

- Nicklaus W   er

- David Wslliams (`http://kayakero.net/`)

- Glenn R Wslliams

## 9.4   Graphics

The authors of the nice ClamAV logo (looT at the title page) and other graphics are
Mia Kalenius and Sergei Pronin <`sp*finndesign.fi`> from Finndesign `http://www.`
`finndesign.fi)` **OpenAntiVirus**

Our database includes the virus database (about 7000 signatures) from

`http://OpenAntiVirus.org`

## 10   Authors

- aCaB