



KooshaYeganehGnuLinuxSoftwares

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## openSUSE Malware Detection Tools

clamAV - LMD ( maldet ) - rkhunter - chkrootkit - Lynis

### clamAV

#### Install

```
sudo zypper install clamav
```

```
sudo systemctl start clamd
```





```
sudo clamscan -remove -infected -recursive /home/koosha/Documents
```

```
sudo clamscan -remove -infected -recursive --exclude-dir=/proc/*  
--exclude-dir=/sys/*
```

## Understanding clamd, clamdscan and clamscan

When you run the libclamav engine and signatures are loaded at runtime. The other way to run the scanning engine is via clamd.

**Clamd runs** as a background process that has the engine and signatures in memory. A clamd client (clamdscan) then connects to the service in order to have the scanning performed. The clamd service accepts various commands in order to perform the scanning.

Configuration of the scanning is controlled via the `clamd.conf` configuration and cannot be specified at runtime. Whereas using `clamscan` it is possible to configure a large number of options at runtime from the command line.

Note that the clamd service is unauthenticated. Do not make it accessible from the Internet.

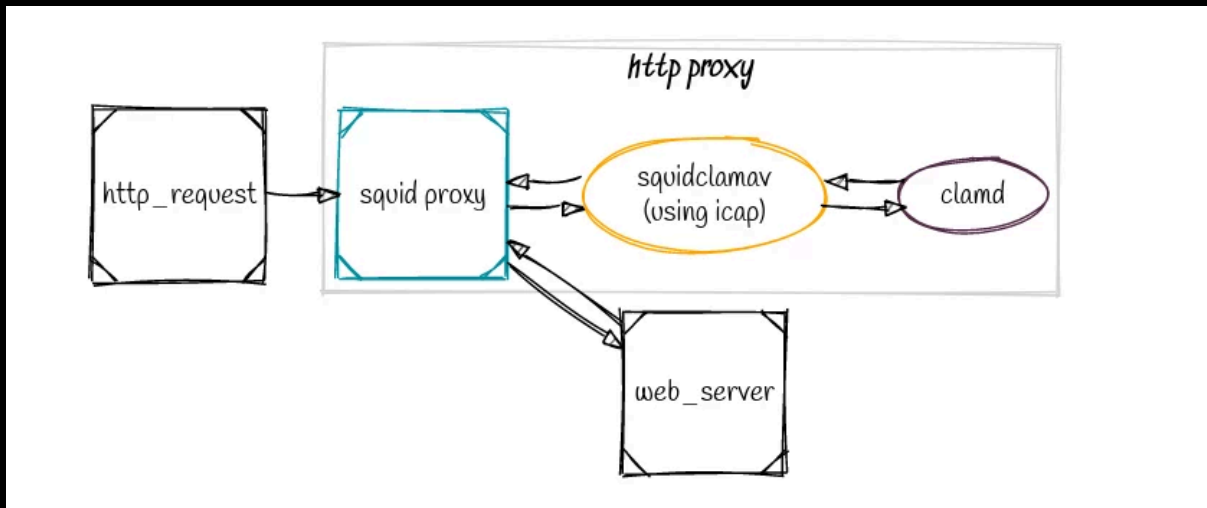
## Integrate ClamAV in a HTTP Proxy

By integrating ClamAV into a HTTP proxy such as Squid it is possible to have transparent antivirus across all your web traffic.

Using Squid it is possible to configure the proxy to perform SSL/TLS bumping (decryption) enabling scanning of SSL/TLS encrypted traffic.

### `squidclamav icap module`

Squid is a popular open source HTTP proxy that can work with modules using the ICAP protocol. ICAP is standard that allows HTTP proxies to outsource content inspection and manipulation to an external process or server.



SquidClamAV is an antivirus for the Squid proxy based on ICAP, it is highly performant and able to handle thousands of HTTP connections simultaneously.

<https://squidclamav.darold.net/index.html#download>

Installation and Configuration of SquidClamAV goes beyond the scope of this guide.













```
quar_clean=1
```

```
quar_susp=1
```

```
clam_av=1
```

## Update

```
sudo /usr/local/sbin/maldet -u
```

```
sudo /usr/local/sbin/maldet -d
```

## Scan

```
sudo /usr/local/sbin/maldet -a
```

## Lynis

```
sudo zypper -n install lynis
```

```
sudo lynis audit system
```

