

## [How to Install ASSP 2.x on Debian 7 Wheezy](#)

By [Roger Keays](#), 18 March 2015

[ASSP](#) is an SMTP proxy than runs infront of your mailserver to filter out all the spam email. Despite being implemented as a monolithic, indecipherable perl script, it is actually very effective and runs with very little intervention once you have it configured correctly.

### Download

Get the code from [assp.sourceforge.net](http://assp.sourceforge.net) and extract it to /opt/assp-2.4.3 or wherever you would like to deploy it.

### Install dependencies

The README has some details about downloading dependencies from CPAN, however my preference is to use the Debian packages wherever possible, so I figured out which packages those were and came up with this list:

```
# apt-get install libnet-dns-perl libauthen-sasl-perl libmail-spf-perl \
    libregexp-optimizer-perl libfile-readbackwards-perl \
    libnetaddr-ip-perl libnet-cidr-lite-perl libmail-dkim-perl \
    libnet-ldap-perl libunicode-string-perl libemail-send-perl \
    libemail-mime-perl libtext-unidecode-perl \
    liblingua-stem-snowball-perl libsys-cpu-perl libthreads-perl \
    libschedule-cron-perl libdigest-sha-perl libmime-types-perl \
    libclamav-client-perl libarchive-zip-perl libberkeleydb-perl \
    liblingua-identify-perl libsys-cpuload-perl \
    libthreads-shared-perl libunicode-linebreak-perl
```

### Missing dependencies

The following dependencies aren't available as debian packages and you can install them from CPAN if you want. ASSP handles missing dependencies quite well so it will work fine without them if you don't want to go the CPAN route.



```
Tie::RDBM
Mail::SPF::Query
Sys::CpuAffinity
Thread::State
File::Scan::ClamAV
Sys::MemInfo
```

## Install startup scripts

The distribution comes with some handy startup scripts, just cd into your ASSP base dir and copy them to the system directories.

```
# cp rc/_etc_default_assp.debian /etc/default/assp
# cp rc/_etc_init.d_assp.debian /etc/init.d/assp
# chmod +x /etc/init.d/assp
# insserv assp
```

You will need to update the BASE and PIDFILE properties in /etc/default/assp.

```
# vim /etc/default/assp

BASE=/opt/assp-2.4.3
PIDFILE="$BASE/pid"
```

## Configuration

Now you can start ASSP and configure the spam filter via its web interface.

```
# /etc/init.d/assp start
```

The configuration out the box is pretty good, although you'll most likely want to set 'AsADaemon' to 1 and give some thought as to what user you want to run the application as. The URL to configure ASSP will be something like:

```
http://root:nospam4me@localhost:55555
```

Happy Despamming!

## About Roger Keays

Roger Keays is an artist, an engineer, and a student of life. He has no fixed address and has left footprints on 40-something different countries around the world.



Roger is addicted to surfing. His other interests are music, psychology, languages, the proper use of semicolons, and finding good food.