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OpenBSD

## Qmail/VPOPMAIL/Courier-IMAP/Squirrelmail HOW-To

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#1

**dotc0m**

BSD n00b

Join Date: Jul 2003  
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Posts: 47

### OpenBSD Qmail/VPOPMAIL/Courier-IMAP/Squirrelmail HOW-To

with some more because the subject field is shorter than I thought... :)

anyway, Here's how I put together an openbsd 3.4-stable Qmail/Vpopmail/Vqadmin/  
QmailAdmin/ClamAV/TNEF/SpamAssassin/Qmail-Scanner/  
SquirrelMail Webmail Toaster that also doe's https and  
imaps.

excuse the length, but this is a long process to document:

Qmail (with POP3 and SMTP), Courier Imap (with SSL),  
Vpopmail, and Squirrelmail on OpenBSD 3.4-stable

0. This presumes that you are building this on an 'empty' box -  
no previous openbsd install, etc

= Install OpenBSD 3.4 Release without X  
= make sure that you give /home and /var/www thier own partitions

1.update the source tree:

```
code:
#cd /usr/src
#cvs -d anoncvs@anoncvs.ca.openbsd.org:/cvs -q up -rOPENBSD_3_4 -Pd
```

= OR =

install the cvsup\_no\_x11 package

code:

```
# set PKGSITE ftp.openbsd.org/pub/openbsd/3.4/packages/i386
```

```
# pkg_add -v $PKGSITE/cvsup-16.1g-no_x11.tgz
```

2.rebuild the default kernel from stable:

code:

```
# cd /usr/src/sys/arch/i386/conf
# /usr/sbin/config GENERIC
# cd /usr/src/sys/arch/i386/compile/GENERIC
# make clean && make depend && make
```

3.Rebooting with the new kernel

To reboot with the newly compiled kernel:

code:

```
# cd /usr/src/sys/arch/i386/compile/GENERIC
# cp /bsd /bsd.old
# cp bsd /bsd
# reboot
```

4.Rebuilding the binaries

code:

```
# cd /usr/src
# rm -r /usr/obj/*
# make obj && make build
```

5. Install/Run MergeMaster - yes, make this from ports, there are dependencies you'll need later for other things

code:

```
# cd /usr/ports/sysutils/mergemaster
# make install clean
# cd /
# mergemaster
```

Make sure that you don't mangle your password db. If you do, you have 2 choices:

1. Boot single user mode and change the root password  
=OR=
2. Restart from step 0.

6. Make new devices

code:

```
# cd /dev
# cp /usr/src/etc/etc.'machine'/MAKEDEV ./
# ./MAKEDEV all
```

7. Fixup the file heirarchy

code:

```
# cd /usr/src/etc/mtree
# install -c -o root -g wheel -m 600 special /etc/mtree
# install -c -o root -g wheel -m 444 4.4BSD.dist /etc/mtree
# mtree -qdef /etc/mtree/4.4BSD.dist -p / -u
```

8. Clean up the cruft from the source tree

code:

```
# cd /usr/src
# find . -type l -name obj | xargs rm
```

```
# make -k cleandir
# rm -rf /usr/obj/*
# make obj
```

9. Add new users and groups, setup for the next boot  
The pflogd(8) daemon now runs in privilege separated mode,  
and requires a new user and group \_pflogd.  
Add the group by running

```
code:
# groupadd -g 74 _pflogd
```

as root, and add the user entry using vipw(8):

```
# vipw
_pflogd: *:74:74::0:0:pflogd privsep:/var/empty:/sbin/nologin
```

```
# vi /etc/rc.conf.local
===ADD THESE LINES===
sendmail_flags=NO
httpd_flags="-u"
```

```
= OR =
httpd_flags="-u -DSSL'
=====
if you plan on running an SSL enabled website
```

10. Reboot the machine

```
code: either
# halt
= OR =
# reboot
```

Whichever suits your needs (I've seen machines that refuse to reboot  
without issueing halt first)

11. Change some partition permissions

Open your /etc/fstab to make sure of  
the permissions on /home, /var, and  
/var/www directories

```
code:
# vi /etc/fstab
/dev/wd0e /home ffs rw,nodev 1 2
/dev/wd1e /var ffs rw,nodev 1 2
/dev/wd1f /var/www ffs rw,nodev 1 2
```

Make sure that you REMOVE the setuid bit  
on these partitions

12. Install wget, bzip2, zip, and php4

```
code:
# cd /usr/ports/net/wget
# make install clean
# cd /usr/ports/archivers/bzip2
# make install clean
# cd /usr/ports/archivers/zip
# make install clean
```

```
# cd /usr/ports/www/php4
# cd core
# env SUBPACKAGE='-pear' make install
====NOTE: THIS PART IS OPTIONAL!!!!====
# cd ../extensions
# env FLAVOR="no_x11" make install
take a break, this takes *forever*!
```

### 13. Setup your code repository

code:

```
# mkdir -p /usr/local/src
```

### 14. Get the source

code:

```
# cd /usr/local/src
# wget http://cr.yip.to/software/qmail-1.03.tar.gz
# wget http://www.ckdhr.com/ckd/qmail-103.patch
# wget http://www.qmail.org/qmailqueue-patch
# wget http://www.jms1.net/qmail/auth-jms1.4a.patch
# wget http://www.jms1.net/qmail/base64.c
# wget http://www.jms1.net/qmail/base64.h
# wget http://moni.csi.hu/pub/glibc-2.3.1/...03.errno.patch
# wget http://cr.yip.to/ucspi-tcp/ucspi-tcp-0.88.tar.gz
# wget http://www.untroubled.org/bglibs/bglibs-1.011.tar.gz
# wget http://cr.yip.to/daemontools/daemontools-0.76.tar.gz
# wget http://cr.yip.to/software/qmailanalog-0.70.tar.gz
# wget http://linux.dalouis.com/download/s...idx-0.41.tar.gz
# wget http://www.untroubled.org/qmail-aut...r-0.96.1.tar.gz
# wget http://www.untroubled.org/bglibs/bglibs-1.011.tar.gz
# wget http://www.inter7.com/vpopmail/vpopmail-5.2.2.tar.gz
# wget http://www.inter7.com/vqadmin/vqadmin-2.3.2.tar.gz
# wget http://umn.dl.sourceforge.net/sourc...p-2.2.1.tar.bz2
# wget http://umn.dl.sourceforge.net/sourc...p-1.6.3.tar.bz2
# wget http://www.inter7.com/qmailadmin/qm...in-1.0.6.tar.gz
# wget http://umn.dl.sourceforge.net/sourc...il-1.4.2.tar.gz
# wget http://activeintra.net/openbsd/port...rity/clamav.tgz
# wget http://www.spamassassin.org/release...sin-2.63.tar.gz
# wget http://twtelecom.dl.sourceforge.net...canner-1.20.tgz
# wget http://twtelecom.dl.sourceforge.net...-1.2.3.1.tar.gz
```

### 15. System Prep

code:

```
# groupadd -g 200 nofiles
# useradd -g nofiles -u 201 -d /var/qmail qmaild
# useradd -g nofiles -u 202 -d /var/qmail qmaili
# useradd -g nofiles -u 203 -d /var/qmail qmailp
# useradd -g nofiles -u 204 -d /var/qmail/alias alias
# groupadd -g 205 qmail
# useradd -g qmail -u 206 -d /var/qmail qmailq
# useradd -g qmail -u 207 -d /var/qmail qmailr
# useradd -g qmail -u 208 -d /var/qmail qmails
# mkdir /home/vpopmail
# groupadd -g 210 vchkw
# useradd -g vchkw -u 211 -d /home/vpopmail -s /sbin/nologin vpopmail
# mkdir -p /var/log/qmail
# cd /var/log/qmail
# mkdir qmail-send qmail-smtpd qmail-pop3d
# chown -R qmail:qmail /var/log/qmail
```

```
# chmod -R 750 /var/log/qmail
# mkdir -p /var/qmail/supervise
# cd /var/qmail/supervise
# mkdir -p qmail-smtpd/log qmail-send/log qmail-pop3d/log
# chmod +t qmail-smtpd qmail-send qmail-pop3d
```

## 16. Start with qmail

code:

```
# cd /usr/local/src
# tar xzf qmail-1.03.tar.gz
# cd qmail-1.03
# patch < ../qmail-103.patch
# patch < ../qmailqueue-patch
# cp ../base64* ./
# patch < ../auth-jms1.4a.patch
# patch < ../qmail-1.03.errno.patch
# vi conf-split (change to 200)
# vi conf-spawn (change to 255)
# make man
# make setup check
# ./config-fast your-fqdn-hostname (ex: mail.example.org)
```

## 17. Installing Ucspi-TCP

code:

```
# cd /usr/local/src
# tar xzf ucspi-tcp-0.88.tar.gz
# cd ucspi-tcp-0.88
# make
# make setup check
```

## 18. Installing Deamontools

code:

```
# cd /usr/local/src
# mkdir -p /package
# chmod 1755 /package
# cd /package
# tar xzf /usr/local/src/daemontools-0.76.tar.gz
# cd admin/daemontools-0.76
# package/install
```

You'll be prompted to reboot. It's a good idea.

## 19. Good, your back. Now we install QmailAnalog

code:

```
# cd /usr/local/src
# tar xzf qmailanalog-0.70.tar.gz
# cd qmailanalog-0.70
# make
# make setup check
# vi /var/qmail/qmailstats
-----
#!/bin/sh
# Qmailanalog invocation script
PATH=/usr/local/qmailanalog/bin:/var/qmail/bin:/bin:/usr/bin
QMAILSTATS="/tmp/q.$$"
umask 077
cat /var/log/qmail/qmail-send/* /var/log/qmail/qmail-pop3d/* /var/log/qmail/qmail-smtpd/*
| matchup > $QMAILSTATS 5>/dev/null
```

```
DATE=`date +%D`
```

```
(echo "To: server_admin@mydomain.com"  
echo "From: postmaster@mydomain.com"  
echo "Subject: Nightly Qmail Stats Report for $DATE"  
echo ""  
zoverall < $QMAILSTATS  
zfailures < $QMAILSTATS  
zdeferrals < $QMAILSTATS) | qmail-inject
```

```
rm -f $QMAILSTATS  
-----
```

change mydomain.com to your domain.name

```
# crontab -e
```

code:

```
01 0 * * * /var/qmail/qmailstats
```

## 20. Install EZmlm

code:

```
# tar zxf ezmlm-0.53-idx-0.41.tar.gz  
# cd ezmlm-0.53-idx-0.41  
# make  
# make setup
```

## 21. Install bglibs

code:

```
# cd /usr/local/src  
# tar zxf bglibs-1.011.tar.gz  
# cd bglibs-1.011  
# make  
# ./installer
```

## 22. Install Qmail-AutoResponder

code:

```
# cd /usr/local/src  
# tar zxf qmail-autoresponder-0.96.1.tar.gz  
# cd qmail-autoresponder-0.96.1  
# make qmail-autoresponder (do not do just make, it will fail!!)  
# cp ./qmail-autoresponder /usr/local/bin  
# chmod 755 /usr/local/bin/qmail-autoresponder
```

## 23. Install Vpopmail

code:

```
# cd /usr/local/src  
# tar zxf vpopmail/vpopmail-5.2.2.tar.gz  
# cd vpopmail-5.2.2  
# ./configure --enable-logging=p  
# make  
# make install strip
```

## 24. Vqadmin (nice cgi program for virtual domains in vpopmail)

code:

```
# cd /usr/local/src
```

```
# tar zxf vqadmin-2.3.2.tar.gz
# cd vqadmin-2.3.2
# ./configure \
? --enable-cgibindir=/var/www/cgi-bin \
? --enable-htmldir=/var/www/htdocs
# make
# make install-strip

# vi /var/www/conf/httpd.conf
(if you haven't modified this for your site yet, now is a good time)

=== add this section ===
<Directory "/var/www/cgi-bin/vqadmin">
deny from all
Options ExecCGI
AllowOverride AuthConfig
Order deny,allow
</Directory>
=== end section ===

# cd /var/www/cgi-bin/vqadmin
# vi .htaccess

=== NOTE ===
YOU NEED TO CHANGE THIS LINE:
AuthUserFile /usr/local/blahblahblah/conf/vqadmin.passwd
TO WHEREEVER YOU WANT TO KEEP
THE PASSWORD FILE FOR Vqadmin
=== END NOTE ===

# chown .htaccess
# chmod 644 .htaccess
# htpasswd -bc /path/to/where/the/password/file/is/passwordfile admin SECRET
(change secret to a password of your choosing)
# chmod 644 /path/to/where/the/password/file/is/passwordfile

# now open a browser (anything except lynx) and go to:
http://your.server.name.here/cgi-bin/vqadmin.cgi
(you'll be prompted for a username and password:
username: admin
password: SECRET
# now create your domain. vqadmin will create the postmaster@ mailbox for you.
```

## 25. Install MailDrop

```
code:
# cd /usr/local/src
# bzip2 -d maildrop-1.6.3.tar.bz2
# tar xf maildrop-1.6.3.tar
# cd maildrop-1.6.3
# ./configure \
? --prefix=/usr/local \
? --exec-prefix=/usr/local \
? --enable-maildrop-uid=root \
? --enable-maildrop-gid=vchkpw \
? --enable-maildir-quota
# make
# make install-strip
# make install-man
```

## 26. QmailAdmin

```
code:
# cd /usr/local/src
# tar zxf qmailadmin-1.0.6.tar.gz
# cd qmailadmin-1.06
# ./configure \
? --enable-cgibindir=/var/www/cgi-bin \
? --enable-htmldir=/var/www/htdocs \
? --enable-autoresponder-bin=/usr/local/bin/qmail-autoresponder
# make
# make install-strip
```

27. Replace the sendmail binaries,  
and make the machine shutup about bad cron jobs

```
code:
# cd /usr/sbin
# mv sendmail sendmail.dist
# chmod 0 sendmail.dist
# ln -s /var/qmail/bin/sendmail /usr/sbin/sendmail
# cd /usr/libexec/sendmail
# mv sendmail sendmail.dist
# chmod 0 sendmail.dist
# ln -s /var/qmail/bin/sendmail /usr/libexec/sendmail/sendmail
# crontab -e
=== COMMENT OUT THIS LINE===
# sendmail clientmqueue runner
*/30 * * * * /usr/sbin/sendmail -L sm-msp-queue -Ac -q
```

(don't worry about any system generated mail, it will still  
get to you via qmail's version of sendmail)

28. Finalize Qmail

```
code:
===NOTE ===
in ALL of the following scripts, you need to change
'yourdomain.com' to 'realdomainname.ext' for these to work!)
```

```
vi /var/qmail/supervise/qmail-pop3d/run
```

```
-----
#!/bin/sh
PATH=/var/qmail/bin:/usr/local/bin:/usr/bin:/bin
export PATH
exec tcpserver -H -R -v -c100 0 110 qmail-popup yourdomain.com \
/usr/home/vpopmail/bin/vchkpw qmail-pop3d Maildir 2>&1
-----
```

```
vi /var/qmail/supervise/qmail-pop3d/log/run
```

```
-----
#!/bin/sh
PATH=/var/qmail/bin:/usr/local/bin:/usr/bin:/bin
export PATH
exec setuidgid qmail multilog t s100000 n20 /var/log/qmail/qmail-pop3d 2>&1
-----
```

```
vi /var/qmail/supervise/qmail-smtpd/run
```

```
-----
#!/bin/sh
QMAILDUID=`id -u vpopmail`
```

```

NOFILESGID=` id -g vpopmail`
MAXSMTPD=` cat /var/qmail/control/concurrencyincoming`
LOCAL=` head -1 /var/qmail/control/me`
if [ -z "$QMAILDUID" -o -z "$NOFILESGID" -o -z "$MAXSMTPD" -o -z "$LOCAL" ]; then
echo QMAILDUID, NOFILESGID, MAXSMTPD, or LOCAL is unset in
echo /var/qmail/supervise/qmail-smtpd/run
exit 1
fi
if [ ! -f /var/qmail/control/rcpthosts ]; then
echo "No /var/qmail/control/rcpthosts!"
echo "Refusing to start SMTP listener because it'll create an open relay"
exit 1
fi
exec /usr/local/bin/softlimit -m 2000000 \
/usr/local/bin/tcpserver -v -R -l "$LOCAL" -x /etc/tcp.smtp.cdb -c "$MAXSMTPD" \
-u "$QMAILDUID" -g "$NOFILESGID" 0 smtp \
/var/qmail/bin/qmail-smtpd your_domain.com \
/usr/home/vpopmail/bin/vchkpw /usr/bin/true 2>&1
-----

# vi /var/qmail/supervise/qmail-smtpd/log/run

-----
#!/bin/sh
PATH=/var/qmail/bin:/usr/local/bin:/usr/bin:/bin
export PATH
exec setuidgid qmail multilog t s100000 n20 /var/log/qmail/qmail-smtpd 2>&1
-----

# vi /var/qmail/supervise/qmail-send/run

-----
#!/bin/sh
exec /var/qmail/rc
-----

vi /var/qmail/supervise/qmail-send/log/run

-----
#!/bin/sh
PATH=/var/qmail/bin:/usr/local/bin:/usr/bin:/bin
export PATH
exec setuidgid qmail multilog t s100000 n20 /var/log/qmail/qmail-send 2>&1
-----

vi /var/qmail/rc

-----
#!/bin/sh

exec env - PATH="/var/qmail/bin:$PATH" \
qmail-start "` cat /var/qmail/control/defaultdelivery` "
-----

# chmod 755 /var/qmail/rc

# vi /var/qmail/bin/qmailctl

-----
#!/bin/sh
PATH=/var/qmail/bin:/bin:/usr/bin:/usr/local/bin:/usr/local/sbin
export PATH

```

```
QMAILDUID=` id -u qmaild`
NOFILESGID=` id -g qmaild`

case "$1" in
start)
echo "Starting qmail..."
echo ""
if svok /service/qmail-send ; then
svc -u /service/qmail-send /service/qmail-send/log
echo "Starting qmail-send"
else
echo "qmail-send supervise not running"
fi
if svok /service/qmail-smtpd ; then
svc -u /service/qmail-smtpd /service/qmail-smtpd/log
echo "Starting qmail-smtpd"
else
echo "qmail-smtpd supervise not running"
fi
if svok /service/qmail-pop3d ; then
svc -u /service/qmail-pop3d /service/qmail-pop3d/log
echo "Starting qmail-pop3d"
else
echo "qmail-pop3d supervise not running"
fi
if [ -d /var/lock/subsys ]; then
touch /var/lock/subsys/qmail
fi
;;
stop)
echo "Stopping qmail..."
echo ""
echo " qmail-smtpd"
svc -d /service/qmail-smtpd /service/qmail-smtpd/log
echo " qmail-send"
svc -d /service/qmail-send /service/qmail-send/log
echo " qmail-pop3d"
svc -d /service/qmail-pop3d /service/qmail-pop3d/log
if [ -f /var/lock/subsys/qmail ]; then
rm /var/lock/subsys/qmail
fi
;;
stat)
svstat /service/qmail-send
svstat /service/qmail-send/log
svstat /service/qmail-smtpd
svstat /service/qmail-smtpd/log
svstat /service/qmail-pop3d
svstat /service/qmail-pop3d/log
qmail-qstat
;;
doqueue|alarm|flush)
echo "Flushing timeout table and sending ALRM signal to qmail-send."
/var/qmail/bin/qmail-tcpok
svc -a /service/qmail-send
;;
queue)
qmail-qstat
qmail-qread
;;
reload|hup)
```

```
echo "Sending HUP signal to qmail-send."
svc -h /service/qmail-send
;;
pause)
echo "Pausing qmail-send"
svc -p /service/qmail-send
echo "Pausing qmail-smtpd"
svc -p /service/qmail-smtpd
echo "Pausing qmail-pop3d"
svc -p /service/qmail-smtpd
;;
cont)
echo "Continuing qmail-send"
svc -c /service/qmail-send
echo "Continuing qmail-smtpd"
svc -c /service/qmail-smtpd
echo "Continuing qmail-pop3d"
svc -c /service/qmail-pop3d
;;
restart)
echo "Restarting qmail:"
echo "* Stopping qmail-smtpd."
svc -d /service/qmail-smtpd /service/qmail-smtpd/log
echo "* Sending qmail-send SIGTERM and restarting."
svc -t /service/qmail-send /service/qmail-send/log
echo "* Sending qmail-pop3d SIGTERM and restarting."
svc -t /service/qmail-pop3d /service/qmail-pop3d/log
echo "* Restarting qmail-smtpd."
svc -u /service/qmail-smtpd /service/qmail-smtpd/log
;;
cdb)
tcprules /etc/tcp.smtp.cdb /etc/tcp.smtp.tmp < /etc/tcp.smtp
chmod 644 /etc/tcp.smtp.cdb
echo "Reloaded /etc/tcp.smtp."
;;
help)
cat <<HELP
stop -- stops mail service (smtp connections refused, nothing goes out)
start -- starts mail service (smtp connection accepted, mail can go out)
pause -- temporarily stops mail service (connections accepted, nothing leaves)
cont -- continues paused mail service
stat -- displays status of mail service
cdb -- rebuild the tcpserver cdb file for smtp
restart -- stops and restarts smtp, sends qmail-send a TERM & restarts it
doqueue -- schedules queued messages for immediate delivery
reload -- sends qmail-send HUP, rereading locals and virtualdomains
queue -- shows status of queue
almr -- same as doqueue
flush -- same as doqueue
hup -- same as reload
HELP
;;
*)
echo "Usage: $0
{start|stop|restart|doqueue|flush|reload|stat|pause|cont|cdb|queue|help}"
exit 1
;;
esac

exit 0
-----
```

```
# chmod 755 /var/qmail/rc /var/qmail/bin/qmailctl
# chmod 751 /var/qmail/supervise/qmail-pop3d/run
# chmod 751 /var/qmail/supervise/qmail-pop3d/log/run
# chmod 751 /var/qmail/supervise/qmail-smtpd/run
# chmod 751 /var/qmail/supervise/qmail-smtpd/log/run
# chmod 751 /var/qmail/supervise/qmail-send/run
# chmod 751 /var/qmail/supervise/qmail-send/log/run
# echo ./Maildir > /var/qmail/control/defaultdelivery
# echo 255 > /var/qmail/control/concurrencyremote
# chmod 644 /var/qmail/control/concurrencyremote
# echo 30 > /var/qmail/control/concurrencyincoming
# chmod 644 /var/qmail/control/concurrencyincoming
# ln -s /var/qmail/bin/qmailctl /usr/bin
# ln -s \
? /var/qmail/supervise/qmail-send \
? /var/qmail/supervise/qmail-smtpd \
? /var/qmail/supervise/qmail-pop3d \
? /service
# qmailctl stop
# echo '127.: allow,RELAYCLIENT=""' > /etc/tcp.smtp
# qmailctl cdb
# echo 'postmaster@yourdomain.org' > /var/qmail/alias/.qmail-root
# echo 'postmaster@yourdomain.org' > /var/qmail/alias/.qmail-postmaster
# echo 'postmaster@yourdomain.org' > /var/qmail/alias/.qmail-mailer-daemon
# echo 'postmaster@yourdomain.org' > /var/qmail/alias/.qmail-anonymous
# qmailctl stop
# qmailctl start
```

## 29. Install Courier-IMAP & IMAP-SSL

code:

```
# cd /usr/local/src
# bzip -d courier-imap-2.2.1.tar.bz2
# tar xf courier-imap-2.2.1.tar
# cd courier-imap-2.2.1
# ./configure \
? --with-authvchkpw \
? --without-authldap \
? --disable-root-check
# make
# make install-strip
# cd /usr/lib/courier-imap/etc
# cp imapd.dist imapd
# cp imapd-ssl.dist imapd-ssl
# cp authdaemonrc.dist authdaemonrc
# vi imapd-ssl
===NOTE ===
ensure that
IMAPDSSLSTART=YES
===END NOTE ===

# /usr/lib/courier-imap/libexec/imapd.rc start
# /usr/lib/courier-imap/sbin/mkimapdcert
# /usr/lib/courier-imap/libexec/imapd-ssl.rc start
```

## 30. Install Squirrelmail

Ok, now I'm going to say something: Squirrelmail was NOT my first choice here. Yes, it's pretty, and easy to setup, and feature-replete, but it's just too 'candy' like for my taste really. If anyone has knowledge of how to get Horde and Imp

working with this kind of setup, drop me a note, would you? Thanks!

code:

```
# cd /var/www/htdocs
# tar zxf /usr/local/src/squirrelmail-1.4.2.tar.gz
# mv squirrelmail-1.4.2 webmail
# cd webmail
# mkdir /var/sqattach
# chown -R www:www /var/sqattach
# cd config
# ./conf.pl
```

Option 2 (Server Settings)

====USE THESE AS AN EXAMPLE====

General

-----

1. Domain : your.domain.name
2. Invert Time : false
3. Sendmail or SMTP : SMTP

IMAP Settings

-----

4. IMAP Server : localhost
5. IMAP Port : 143
6. Authentication type : login
7. Secure IMAP (TLS) : false
8. Server software : other
9. Delimiter : detect

SMTP Settings

-----

4. SMTP Server : localhost
5. SMTP Port : 25
6. POP before SMTP : false
7. SMTP Authentication : login
8. Secure SMTP (TLS) : false

Option 4 (General Settings)

3. Attachment Directory : /var/sqattach

Go test it. use the url <http://www.yourdomain.here/webmail> and login

login: postmaster@your.domainname

password: the password you chose when you created the domain

31. ClamAV, SpamAssassin, TNEF, and Qmail-Scanner

ClamAV (This should be in the ports tree for 3.5)

code:

```
# cd /usr/ports/security
# tar zxf /usr/local/src/clamav.tgz
# cd clamav
# make install clean
# cp /usr/local/share/examples/clamav/clamav.conf /etc/clamav.conf
# vi /etc/clamav.conf - edit to your liking
# crontab -e
===INSERT THIS===
0 8 * * * /usr/local/bin/freshclam --quiet -l /var/log/clam-update.log --daemon-notify
```

```
=====
```

```
# mv /usr/local/bin/clamscan /usr/local/bin/clamscan.dist  
# cp /usr/local/bin/clamscan /usr/local/bin/clamscan
```

## SpamAssassin

```
=====NOTE=====
```

you need these perl modules:

Time::HiRes

Net::DNS

Digest::SHA1

Digest::HMAC

HTML::Parser

at a minimum for SA to work correctly. How you install them is up to you.

```
=====END NOTE=====
```

code:

```
# cd /usr/local/src  
# tar zxf Mail-SpamAssassin-2.63.tar.gz  
# cd Mail-SpamAssassin-2.6.3  
# perl Makefile.pl  
# make  
# make install  
# cd /var/qmail  
# mkdir .spamassassin  
# cd .spamassassin  
# echo 'required_hits 5.0' > user_prefs  
# chown -R qmail:qmail /var/qmail/.spamassassin  
# lynx /usr/ports/mail/p5-Mail-SpamAssassin/file/p5-Mail-SpamAssassin-mini-howto.html  
and follow the directions.  
# vi /etc/mail/spamassassin/local.cf and edit to taste
```

## TNEF

code:

```
# cd /usr/local/src  
# tar zxvf tnef-1.2.3.1.tar.gz  
# cd tnef-1.2.3.1  
# ./configure  
# make  
# make check  
# make install
```

## Qmail-Scanner

code:

```
# cd /usr/local/src  
# tar zxf qmail-scanner-1.20.tgz  
# cd qmail-scanner-1.2.0  
# ./configure \  
? --admin postmaster \  
? --domain your.domain.here \  
? --notify admin \  
? --local-domains your.domain.here \  
? --install  
# setuidgid qmaild /var/qmail/bin/qmail-scanner-queue.pl -g  
you should see a line like 'perlscanner: total of 9 entries.'
```

```
# vi /var/qmail/supervise/qmail-smtpd/run
```

```
=====NOTE=====
```

you need to add this line:

QMAILQUEUE="/var/qmail/bin/qmail-scanner-queue.pl" export QMAILQUEUE  
 as the SECOND line in the file, directly under '#!/bin/sh'.  
 you also need to modify the 'softlimit' line to read  
 10000000 from the original setting.  
 ====END NOTE====

```
# cd /usr/local/src/qmail-scanner-1.20/contrib
# ./test_intallation.sh -doit
```

you should see a few test go by, qmail-scanner will send you  
 4 emails with the results.

edit: Ok, leave it to me to forget how to actually start the services...:)

32. Config /etc/rc.local to start all the new toys

code:

```
# vi /etc/rc.local
```

```
====NOTE====
```

remove this line:

```
csch -cf '/command/svscanboot &'
```

from the bottom of your rc.local file, it will be replaced momentarily.

```
====END NOTE====
```

```
====ADD THESE LINES====
```

```
### DaemonTools for starting Qmail
```

```
if [ -x /command/svscanboot ]; then
```

```
echo ' Qmail SMTP POP3';csch -cf '/command/svscanboot &' >/dev/null 2>&1
```

```
fi
```

```
### courier-imap
```

```
echo ' Courier-IMAP';
```

```
/usr/lib/courier-imap/libexec/imapd.rc start
```

```
### courier-imap ssl
```

```
echo ' Courier-IMAP SSL';
```

```
/usr/lib/courier-imap/libexec/imapd-ssl.rc start
```

```
### spamassassin
```

```
if [ -x /usr/bin/spamd ]; then
```

```
echo ' SpamAssassin';
```

```
/usr/bin/spamd -u _spamdaemon -d
```

```
fi
```

```
====END ADD====
```

```
# halt =OR= reboot (up to you)
```

Watch the console when you reboot, you should

see the following lines appear shortly before the login prompt:

Qmail SMTP POP3

Courier-IMAP

Courier-IMAP SSL

SpamAssassin

.

That's it. The only thing that I can think of to add here is some kind  
 word filtering thing that work's with vpopmail as a last line of defense  
 from spam. Anyone got any idea's?

.c0m

[Zanko na tenshi no youni](#)

Last edited by dotc0m : 10-12-2004 at 07:04 PM.



02-01-2004, 08:26 PM

#2 

**Hugle**   
Port Monkey

Join Date: Jun 2003  
Posts: 355

nice How-to 😊

I'm going to make some tests on this section:

<b>ClamAV, SpamAssassin, TNEF, and Qmail-Scanner</b>

Let ya know, how it goes.. if all goes nice, gonna include in mine's howto

thx dotc0m

jarek



02-01-2004, 09:03 PM

#3 

**dotc0m**   
BSD n00b

Join Date: Jul 2003  
Location: Upstate NY  
Posts: 47

Np! 😊

Quote:

nice How-to

I'm going to make some tests on this section:

<b>ClamAV, SpamAssassin, TNEF, and Qmail-Scanner</b>

Let ya know, how it goes.. if all goes nice, gonna include in mine's howto

cool! good luck!

However, vpopmail is now not starting to live up to my expectations under OpenBSD. Well, I shouldn't say that, but vqadmin and qmailadmin are being a pain -

I've got about 20 different domain's hosted here, and for some unknown bloody reason, vqadmin refuse's to admin them, and qmailadmin won't let anyone log in now. I'm beginning to think that perhap's I should mix either mysql or postgre into this to handle all of the virtual stuff, and either find or write a php/python front end to admin it through the webserver. I may even consider a different approach to the virtual domains (exim or postfix perhaps) to get this fixed.

anyway, I forgot to add one thing to the howto, It's in there now, about how to actually start the services (doh! 😊).

ta.

.c0m

*Zanko na tenshi no youni*



02-02-2004, 01:43 AM

#4 

**Hugle**   
Port Monkey

Join Date: Jun 2003  
Posts: 355

btw..

why don't u use courier-imap for both pop3 and pop3-ssl ? cause i see that courier is used for SSL, and vpopmail with tcp-server for non SSL

just advice...

P.S.  
/me began testings on those antiviruses;]

question:  
/service is linked with /var/qmail/supervise or I missunderwood smth ?

Last edited by Hugle : 02-02-2004 at 02:18 AM.



02-02-2004, 04:05 AM

#5

**dotc0m**

BSD n00b

Join Date: Jul 2003  
Location: Upstate NY  
Posts: 47

Quote:

btw..  
why don't u use courier-imap for both pop3 and pop3-ssl ? cause i see that courier is used for SSL, and vpopmail with tcp-server for non SSL  
  
just advice...

good advice too, and I didn't have to pay for it... 😊 ya know, that didn't even occur to me, thanks! just need to figure out how to get courier-pop3(s) to talk to vpopmail (or vmailmgr, or something, anything where I don't have to create user acct's on the box).

Quote:

question:  
/service is linked with /var/qmail/supervise or I missunderwood smth ?

nope, you didn't misunderstand a thing, it's actually more like a real djb install than what happen's under freebsd.

What happen's with /service is that you link various directorie's to it that have what are called 'supervise' scripts in place. When those directorie's are linked to /service, providing that your supervise scripts are correct (right commands in the right places, permissions, etc.), /command/svscan will start the service within (I believe) 5 seconds of your linking to /service. <http://cr.yip.to> has all of the answer's for that tho, but beware, djb's documentation is a bit, uh... bizarre.. 😊

/me still looking for a replacement for vpopmail/squirrelmail (dammit, i want something scaleable).

ta!

.c0m

*Zanko na tenshi no youni*




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