Installing Postfix

```
root@JR:/installer#
root@JR:/installer#
root@JR:/installer# tar -xzvf postfix-2.6.5.tar.gz s_
```

```
postfix-2.6.5/README_FILES/VIRTUAL_README
postfix-2.6.5/README_FILES/XCLIENT_README
postfix-2.6.5/README_FILES/XFORWARD_README
root@JR:/installer# cd postfix-2.6.5_
```

```
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5# useradd postfix_
```

```
root@JR:/installer/postfix-2.6.5# groupadd postdrop
root@JR:/installer/postfix-2.6.5# _
```

```
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5# make -f Makefile.init makefiles_
```

```
[src/proxymap]
cat ../../conf/makedefs.out Makefile.in >Makefile
[src/anvil]
cat ../../conf/makedefs.out Makefile.in >Makefile
[src/scache]
cat ../../conf/makedefs.out Makefile.in >Makefile
[src/discard]
cat ../../conf/makedefs.out Makefile.in >Makefile
[src/tlsmgr]
cat ../../conf/makedefs.out Makefile.in >Makefile
[src/postmulti]
cat ../../conf/makedefs.out Makefile.in >Makefile
rm -f Makefile; (cat conf/makedefs.out Makefile.in) >Makefile
root@JR:/installer/postfix-2.6.5# make tidy_
```

```
        *- */*- */*/*- \
        *.orig */*.orig */*/*.orig \
        *.bak */*.bak */*/*.bak \
        make.err */make.err */*/make.err \
        *.gmon */*.gmon */*/*.gmon \
        conf/main.cf.default conf/bounce.cf.default
find . -type s -print | xargs rm -f
find . -type d -print | xargs chmod 755
find . -type f -print | xargs chmod a+r
root@JR:/installer/postfix-2.6.5# make_
```

```
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5# make install_
```

```
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5#                    █
root@JR:/installer/postfix-2.6.5#
root@JR:/installer/postfix-2.6.5# cd /etc/postfix/_
```

```
-rw-r--r-- 1 root root   487 Oct  3 02:12 makedefs.out
-rw-r--r-- 1 root root  5093 Oct  3 02:12 master.cf
-rw-r--r-- 1 root root  6816 Oct  3 02:12 relocated
-rw-r--r-- 1 root root 12500 Oct  3 02:12 transport
-rw-r--r-- 1 root root 12494 Oct  3 02:12 virtual
root@JR:/etc/postfix# vim main.cf_
```

```
# bounces, and prevents the SMTP server from rejecting mail permanently
# (by changing 5xx replies into 4xx replies). However, soft_bounce
# is no cure for address rewriting mistakes or mail routing mistakes.
#
soft_bounce = no

# LOCAL PATHNAME INFORMATION
"main.cf" 651L, 25958C                                    22,1          Top
```

```
# from gethostname(). $myhostname is used as a default value for many
# other configuration parameters.
#
#myhostname = host.domain.tld
#myhostname = virtual.domain.tld
myhostname = abamonga.com_
```

```
# are forwarded to us via a proxy or network address translator.
#
# Note: you need to stop/start Postfix when this parameter changes.
#
inet_interfaces = all
#inet_interfaces = $myhostname
#inet_interfaces = $myhostname, localhost

# The proxy_interfaces parameter specifies the network interface
```

```
#
# See also below, section "REJECTING MAIL FOR UNKNOWN LOCAL USERS".
#
#mydestination = $myhostname, localhost.$mydomain, localhost
mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain
#mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain,
#        mail.$mydomain, www.$mydomain, ftp.$mydomain

# REJECTING MAIL FOR UNKNOWN LOCAL USERS
```

```
# Specify "mynetworks_style = host" when Postfix should "trust"
# only the local machine.
#
#mynetworks_style = class
mynetworks_style = subnet
#mynetworks_style = host

# Alternatively, you can specify the mynetworks list by hand, in
# which case Postfix ignores the mynetworks style setting.
```

```
# "postfix reload" to eliminate the delay.
#
#alias_maps = dbm:/etc/aliases
alias_maps = hash:/etc/postfix/aliases
#alias_maps = hash:/etc/aliases, nis:mail.aliases
#alias_maps = netinfo:/aliases
```

```
#
#alias_database = dbm:/etc/aliases
#alias_database = dbm:/etc/mail/aliases
alias_database = hash:/etc/postfix/aliases
#alias_database = hash:/etc/aliases, hash:/opt/majordomo/aliases
```

```
~
~
~
~
:wq!_
```

```
root@JR:/etc/postfix#
root@JR:/etc/postfix#
root@JR:/etc/postfix#
root@JR:/etc/postfix#
root@JR:/etc/postfix# newaliases _
```

```
root@JR:/etc/postfix#
root@JR:/etc/postfix# postfix start
postfix/postfix-script: starting the Postfix mail system
root@JR:/etc/postfix# _
```

```
root@JR:/etc/postfix#
root@JR:/etc/postfix#
root@JR:/etc/postfix#
root@JR:/etc/postfix# telnet mail.abamonga.com 25
Trying 192.168.1.1...
Connected to mail.abamonga.com.
Escape character is '^]'.
220 JR.abamonga.com ESMTP Postfix
_
```

```
root@JR:/#
root@JR:/#
root@JR:/# cd /installer_
```

```
root@JR:/#
root@JR:/# cd /installer
root@JR:/installer# tar xzvf dovecot-1.0.15.tar.gz _
```

```
dovecot-1.0.15/doc/wiki/VirtualUsers.txt
dovecot-1.0.15/doc/wiki/WhyDoesItNotWork.txt
root@JR:/installer# cd dovecot-1.0.15_
```

```
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15# useradd dovecot_
```

```
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15# ./configure --prefix=/usr/local/dovecot_
```

```
password (modules)
  Building with password lookup modules : passwd passwd-file shadow checkpassword
  (modules)
  Building with SQL drivers ............:
root@JR:~/installer/dovecot-1.0.15# make_
```

```
make[1]: Leaving directory `/installer/dovecot-1.0.15'
make[1]: Leaving directory `/installer/dovecot-1.0.15'
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15# make install_
```

```
make[1]: Leaving directory `/installer/dovecot-1.0.15'
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15# cd /usr/local/dovecot/_
```

```
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15#
root@JR:~/installer/dovecot-1.0.15# cd /usr/local/dovecot/etc/_
```

```
root@JR:/usr/local/dovecot/etc# ls -l
total 60
-rw-r--r-- 1 root root 42954 Oct  3 02:46 dovecot-example.conf
-rw-r--r-- 1 root root  4621 Oct  3 02:46 dovecot-ldap-example.conf
-rw-r--r-- 1 root root  4625 Oct  3 02:46 dovecot-sql-example.conf
root@JR:/usr/local/dovecot/etc# cp dovecot-example.conf dovecot.conf_
```

```
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc# vim dovecot.conf _
```

```
# --with-ssldir=/etc/ssl

# Base directory where to store runtime data.
base_dir = /var/run/dovecot/

# Protocols we want to be serving: imap imaps pop3 pop3s
```

```
# Protocols we want to be serving: imap imaps pop3 pop3s
# If you only want to use dovecot-auth, you can set this to "none".
protocols = imap pop3_
```

```
# Disable SSL/TLS support.
ssl_disable = yes_
```

```
# running as root, so you don't have to worry about permissions. Note that
# everything in this directory is deleted when Dovecot is started.
login_dir = /var/run/dovecot/login

# chroot login process to the login_dir. Only reason not to do this is if you
# wish to run the whole Dovecot without roots. <doc/wiki/Rootless.txt>
login_chroot = yes

# User to use for the login process. Create a completely new user for this,
# and don't use it anywhere else. The user must also belong to a group where
# only it has access, it's used to control access for authentication process.
# Note that this user is NOT used to access mails. <doc/wiki/UserIds.txt>
login_user = dovecot

# Set max. process size in megabytes. If you don't use
# login_process_per_connection you might need to grow this.
login_process_size = 64

# Should each login be processed in it's own process (yes), or should one
# login process be allowed to process multiple connections (no)? Yes is more
# secure, espcially with SSL/TLS enabled. No is faster since there's no need
# to create processes all the time.
login_process_per_connection = yes

-- INSERT --                                          151,1          12%
```

```
# Number of login processes to keep for listening new connections.
login_processes_count = 3

# Maximum number of login processes to create. The listening process count
# usually stays at login_processes_count, but when multiple users start logging
# in at the same time more extra processes are created. To prevent fork-bombing
# we check only once in a second if new processes should be created - if all
# of them are used at the time, we double their amount until the limit set by
# this setting is reached.
login_max_processes_count = 128

# Maximum number of connections allowed per each login process. This setting
# is used only if login_process_per_connection=no. Once the limit is reached,
# the process notifies master so that it can create a new login process.
# You should make sure that the process has at least
# 16 + login_max_connections * 2 available file descriptors.
login_max_connections = 256

# Greeting message for clients.
login_greeting = Dovecot ready.

# Space-separated list of elements we want to log. The elements which have
# a non-empty variable value are joined together to form a comma-separated
-- INSERT --                                              175,1          14%
```

ADD the directory prefix location similar on box area.

```
protocol imap {
  # Login executable location.
  login_executable = /usr/local/dovecot/libexec/dovecot/imap-login
```

```
#   mail_executable = /usr/libexec/dovecot/gdbhelper /usr/libexec/dovecot/imap
#
 mail_executable = /usr/local/dovecot/libexec/dovecot/imap

 # Maximum IMAP command line length in bytes. Some clients generate very long
```

```
# command lines with huge mailboxes, so you
# "Too long argument" or "IMAP command line
imap_max_line_length = 65536

# Support for dynamically loadable plugins
```

```
# Support for dynamically loadable plugins. mail_plugins is a space separated
# list of plugins to load.
#mail_plugins =
mail_plugin_dir = /usr/local/dovecot/lib/dovecot/imap
```

```
#       accept '/' suffix in mailbox names in subscriptions list.
# The list is space-separated.
imap_client_workarounds = outlook-idle tb-extra-mailbox-sep_
}

##
```

```
protocol pop3 {
  # Login executable location.
  login_executable = /usr/local/dovecot/libexec/dovecot/pop3-login

  # POP3 executable location. See IMAP's mail_executable above for examples
  # how this could be changed.
  mail_executable = /usr/local/dovecot/libexec/dovecot/pop3
```

```
# installations. %08Xu%08Xv will be the new default, so use
# installations.
#
pop3_uidl_format = %08Xu%08Xv_

# POP3 logout format string:
#   %t - number of TOP commands
```

```
#       Outlook Express and Netscape Mail breaks if end of hea
#       missing. This option simply sends it if it's missing.
# The list is space-separated.
pop3_client_workarounds = outlook-no-nuls_
}

##
```

PUT # ON CIRCLED AREA

```
#protocol lda {
  # Address to use when sending rejection mails.
  #postmaster_address = postmaster@example.com

  # Hostname to use in various parts of sent mails, eg. in Message-Id.
  # Default is the system's real hostname.
  #hostname =

  # Support for dynamically loadable plugins. mail_plugins is a space separated
  # list of plugins to load.
  #mail_plugins =
  #mail_plugin_dir = /usr/lib/dovecot/lda

  # Binary to use for sending mails.
  #sendmail_path = /usr/lib/sendmail

  # UNIX socket path to master authentication server to find users.
  #auth_socket_path = /var/run/dovecot/auth-master
#}
```

```
# authentication to actually work. <doc/wiki/Pass
#passdb pam {
  # [blocking=yes] [session=yes] [setcred=yes]
  # [cache_key=<key>] [<service name>]
  #
  # By default a new process is forked from dovec
```

```
#   args = session=yes *
#   args = cache_key=%u dovecot
#args = dovecot
#}

-- INSERT --                                    829,4        76%
```

Remove # on passdb shadow similar below

```
# Deprecated by PAM nowadays.
#<doc/wiki/PasswordDatabase.Shadow.txt>
passdb shadow {
  # [blocking=yes] - See userdb passwd for explanation
  #args =
}

# PAM-like authentication for OpenBSD
```

```
~
~
~
~
~
:wq_
```

TO START DOVECOT:

```
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc# /usr/local/dovecot/sbin/dovecot
root@JR:/usr/local/dovecot/etc# _
```

TO TEST DOVECOT CREATE A USER WITH PASSWORD:

```
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc# adduser user1
```

TESTING USER TO LOGIN ON IMAP AND POP3:

IMAP(using username:user1 and password:123)

```
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc# telnet mail.abamonga.com 143
Trying 192.168.1.1...
Connected to mail.abamonga.com.
Escape character is '^]'.
* OK Dovecot ready.
a login user1 123
a OK Logged in.
_
```

POP3(using username:user1 and password:123)

```
root@JR:/usr/local/dovecot/etc#
root@JR:/usr/local/dovecot/etc# telnet mail.abamonga.com 110
Trying 192.168.1.1...
Connected to mail.abamonga.com.
Escape character is '^]'.
+OK Dovecot ready.
user user1
+OK
pass 123
+OK Logged in.
_
```

SQUIRRELMAIL

```
root@JR:/#
root@JR:/# cd /installer/
root@JR:/installer# _
```
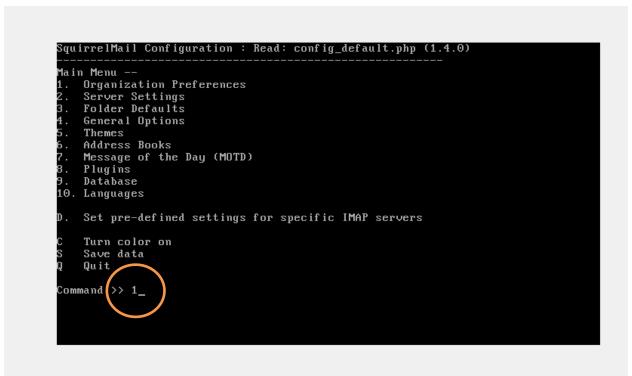
```
root@JR:/installer#
root@JR:/installer# tar -xzvf squirrelmail-webmail-1.4.22.tar.gz _
```

```
root@JR:/installer#
root@JR:/installer# mv squirrelmail-webmail-1.4.22 mail_
```

```
root@JR:/installer#
root@JR:/installer# cp -r mail /usr/local/apache/htdocs/_
```

```
root@JR:/installer#
root@JR:/installer# cd /usr/local/apache/htdocs/mail/_
```

```
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail# ./configure _
```

```
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------
Main Menu --
1.  Organization Preferences
2.  Server Settings
3.  Folder Defaults
4.  General Options
5.  Themes
6.  Address Books
7.  Message of the Day (MOTD)
8.  Plugins
9.  Database
10. Languages

D.  Set pre-defined settings for specific IMAP servers

C   Turn color on
S   Save data
Q   Quit

Command >> 1_
```

```
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------------
Organization Preferences
1.   Organization Name     : Abamonga MAIL
2.   Organization Logo     : ../images/sm_logo.png
3.   Org. Logo Width/Height : (308/111)
4.   Organization Title    : SquirrelMail $version
5.   Signout Page          :
6.   Top Frame             : _top
7.   Provider link         : http://squirrelmail.org/
8.   Provider name         : SquirrelMail

R    Return to Main Menu
C    Turn color on
S    Save data
Q    Quit

Command >> _
```

```
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------------
Main Menu --
1.   Organization Preferences
2.   Server Settings
3.   Folder Defaults
4.   General Options
5.   Themes
6.   Address Books
7.   Message of the Day (MOTD)
8.   Plugins
9.   Database
10.  Languages

D.   Set pre-defined settings for specific IMAP servers

C    Turn color on
S    Save data
Q    Quit

Command >> 2_
```

```
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------------
Server Settings

General
-------
1.   Domain                    : abamonga.com
2.   Invert Time               : false
3.   Sendmail or SMTP          : SMTP

A.   Update IMAP Settings      : localhost:143 (other)
B.   Update SMTP Settings      : localhost:25

R    Return to Main Menu
C    Turn color on
S    Save data
Q    Quit

Command >> _
```

```
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------------
Main Menu --
1.   Organization Preferences
2.   Server Settings
3.   Folder Defaults
4.   General Options
5.   Themes
6.   Address Books
7.   Message of the Day (MOTD)
8.   Plugins
9.   Database
10.  Languages

D.   Set pre-defined settings for specific IMAP servers

C    Turn color on
S    Save data
Q    Quit

Command >> 4_
```

Change the data directory to your preferred directory:

Example: /mailfolder/data and /mailfolder/attach

From:

```
General Options
1.   Data Directory              : /var/local/squirrelmail/data/
2.   Attachment Directory        : /var/local/squirrelmail/attach/
3.   Directory Hash Level        : 0
4.   Default Left Size           : 150
5.   Usernames in Lowercase      : false
```

To:

```
Command >> 2
SquirrelMail Configuration : Read: config_default.php (1.4.0)
---------------------------------------------------------------
General Options
1.   Data Directory              : /mailfolder/data/
2.   Attachment Directory        : /mailfolder/attach/
3.   Directory Hash Level        : 0
```

```
R    Return to Main Menu
C    Turn color on
S    Save data
Q    Quit

Command >> s

Data saved in config.php
Press enter to continue..._
```

Create the data and attach folder

```
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail# mkdir -p /mailfolder/data
root@JR:/usr/local/apache/htdocs/mail# mkdir -p /mailfolder/attach
root@JR:/usr/local/apache/htdocs/mail# _
```

Change permission on folders:

```
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail#
root@JR:/usr/local/apache/htdocs/mail# chmod -R 777 /mailfolder/_
```