	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------

Copiar la estructura de sota, tantes vegades com sigui necessari


Realitza i entrega una captura del contingut del fitxer `/etc/dovecot/conf.d/10-mail.conf`

```

NÈMESI [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
GNU nano 6.2 /etc/dovecot/conf.d/10-mail.conf
##
## Mailbox locations and namespaces
##
# Location for users' mailboxes. The default is empty, which means that Dovecot
# tries to find the mailboxes automatically. This won't work if the user
# doesn't yet have any mail, so you should explicitly tell Dovecot the full
# location.
#
# If you're using mbox, giving a path to the INBOX file (eg. /var/mail/%u)
# isn't enough. You'll also need to tell Dovecot where the other mailboxes are
# kept. This is called the "root mail directory", and it must be the first
# path given in the mail_location setting.
#
# There are a few special variables you can use, eg.:
#
# %u - username
# %n - user part in user@domain, same as %u if there's no domain
# %d - domain part in user@domain, empty if there's no domain
# %h - home directory
#
# See doc/wiki/Variables.txt for full list. Some examples:
#
# mail_location = maildir:~/Maildir
# mail_location = mbox:~/mail:INBOX=/var/mail/%u
# mail_location = mbox:/var/mail/%d/%n/%n:INDEX=/var/indexes/%d/%n/%n
#
# <doc/wiki/MailLocation.txt>
#
mail_location = maildir:~/Maildir

# If you need to set multiple mailbox locations or want to change default
# namespace settings, you can do it by defining namespace sections.
[ Read 421 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line M-E Redo

```

	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------

Realitza i entrega una captura mostrant les modificacions de l'arxiu 10-ssl.conf

```

Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 6.2                                /etc/dovecot/conf.d/10-ssl.conf
##
## SSL settings
##
# SSL/TLS support: yes, no, required. <doc/wiki/SSL.txt>
ssl = required

# PEM encoded X.509 SSL/TLS certificate and private key. They're opened before
# dropping root privileges, so keep the key file unreadable by anyone but
# root. Included doc/mkcert.sh can be used to easily generate self-signed
# certificate, just make sure to update the domains in dovecot-openssl.cnf
ssl_cert = </etc/ssl/certs/mailcert.pem
ssl_key = </etc/ssl/private/mail.key


# If key file is password protected, give the password here. Alternatively
# give it when starting dovecot with -p parameter. Since this file is often
# world-readable, you may want to place this setting instead to a different
# root owned 0600 file by using ssl_key_password = <path>.
#ssl_key_password =

# PEM encoded trusted certificate authority. Set this only if you intend to use
# ssl_verify_client_cert=yes. The file should contain the CA certificate(s)
# followed by the matching CRL(s). (e.g. ssl_ca = </etc/ssl/certs/ca.pem)
#ssl_ca =

# Require that CRL check succeeds for client certificates.
#ssl_require_crl = yes

# Directory and/or file for trusted SSL CA certificates. These are used only
# when Dovecot needs to act as an SSL client (e.g. imapc backend or
# submission service). The directory is usually /etc/ssl/certs in
# Debian-based systems and the file is /etc/pki/tls/cert.pem in
# RedHat-based systems. Note that ssl_client_ca file isn't recommended with
[ Read 83 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line M-E Redo

```

	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------

```

Archivo  Màquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 6.2 /etc/dovecot/conf.d/10-ssl.conf
# Generate new params with `openssl dhparam -out /etc/dovecot/dh.pem 4096`
# Or migrate from old ssl-parameters.dat file with the command dovecot
# gives on startup when ssl_dh is unset.
ssl_dh = </usr/share/dovecot/dh.pem

# Minimum SSL protocol version to use. Potentially recognized values are SSLv3,
# TLSv1, TLSv1.1, TLSv1.2 and TLSv1.3, depending on the OpenSSL version used.
#
# Dovecot also recognizes values ANY and LATEST. ANY matches with any protocol
# version, and LATEST matches with the latest version supported by library.
#ssl_min_protocol = TLSv1.2

# SSL ciphers to use, the default is:
#ssl_cipher_list = ALL:!kRSA:!SRP:!kDhD:!DSS:!aNULL:!eNULL:!EXPORT:!DES:!3DES:!MD5:!PSK:!RC4:!ADH:!>
# To disable non-EC DH, use:
#ssl_cipher_list = ALL:!DH:!kRSA:!SRP:!kDhD:!DSS:!aNULL:!eNULL:!EXPORT:!DES:!3DES:!MD5:!PSK:!RC4:!A>


# Colon separated list of elliptic curves to use. Empty value (the default)
# means use the defaults from the SSL library. P-521:P-384:P-256 would be an
# example of a valid value.
#ssl_curve_list =

# Prefer the server's order of ciphers over client's.
ssl_prefer_server_ciphers = yes

# SSL crypto device to use, for valid values run "openssl engine"
#ssl_crypto_device =

# SSL extra options. Currently supported options are:
#  compression - Enable compression.
#  no_ticket - Disable SSL session tickets.
#ssl_options =
-
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location  M-U Undo
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify  ^_ Go To Line M-E Redo

```

	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------


Realitza i entrega una captura que mostri “l’**status**” dels dos serveis com a actiu

```
dt. de gen. 14 12:16:26 romerox@nemesi:~$ sudo systemctl restart dovecot.service
dt. de gen. 14 12:16:32 romerox@nemesi:~$ sudo systemctl status dovecot.service
• dovecot.service - Dovecot IMAP/POP3 email server
  Loaded: loaded (/lib/systemd/system/dovecot.service; enabled; vendor preset: enabled)
  Active: active (running) since Tue 2025-01-14 12:16:32 UTC; 5s ago
    Docs: man:dovecot(1)
          https://doc.dovecot.org/
 Main PID: 1805 (dovecot)
  Status: "v2.3.16 (7e2e900c1a) running"
   Tasks: 4 (limit: 2226)
  Memory: 3.2M
    CPU: 23ms
  CGroup: /system.slice/dovecot.service
          └─1805 /usr/sbin/dovecot -F
             └─1807 dovecot/anvil
                └─1808 dovecot/log
                   └─1809 dovecot/config

de gen. 14 12:16:32 nemesi systemd[1]: Starting Dovecot IMAP/POP3 email server...
de gen. 14 12:16:32 nemesi dovecot[1805]: master: Dovecot v2.3.16 (7e2e900c1a) starting up for imap
de gen. 14 12:16:32 nemesi systemd[1]: Started Dovecot IMAP/POP3 email server.
^X_
```

```
dt. de gen. 14 12:17:20 romerox@nemesi:~$ sudo systemctl restart postfix
dt. de gen. 14 12:17:30 romerox@nemesi:~$ sudo systemctl status postfix
• postfix.service - Postfix Mail Transport Agent
  Loaded: loaded (/lib/systemd/system/postfix.service; enabled; vendor preset: enabled)
  Active: active (exited) since Tue 2025-01-14 12:17:30 UTC; 5s ago
    Docs: man:postfix(1)
 Process: 2468 ExecStart=/bin/true (code=exited, status=0/SUCCESS)
 Main PID: 2468 (code=exited, status=0/SUCCESS)
    CPU: 681us

de gen. 14 12:17:30 nemesi systemd[1]: Starting Postfix Mail Transport Agent...
de gen. 14 12:17:30 nemesi systemd[1]: Finished Postfix Mail Transport Agent.
dt. de gen. 14 12:17:36 romerox@nemesi:~$ _
```


	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------

Realitza i entrega una captura on es vegi que Dovecot té habilitats els ports 143 i 993

```
dt. de gen. 14 12:17:36 romerorox@nemesi:~$ sudo netstat -tlnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:993             0.0.0.0:*               LISTEN      1805/dovecot
tcp        0      0 127.0.0.53:53           0.0.0.0:*               LISTEN      632/systemd-resolve
tcp        0      0 0.0.0.0:587             0.0.0.0:*               LISTEN      2467/master
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      707/sshd: /usr/sbin
tcp        0      0 0.0.0.0:25              0.0.0.0:*               LISTEN      2467/master
tcp        0      0 0.0.0.0:143             0.0.0.0:*               LISTEN      1805/dovecot
tcp6       0      0 :::993                  :::*                    LISTEN      1805/dovecot
tcp6       0      0 :::587                  :::*                    LISTEN      2467/master
tcp6       0      0 :::22                   :::*                    LISTEN      707/sshd: /usr/sbin
tcp6       0      0 :::25                   :::*                    LISTEN      2467/master
tcp6       0      0 :::143                  :::*                    LISTEN      1805/dovecot
dt. de gen. 14 12:18:07 romerorox@nemesi:~$ _
```

Realitza i entrega una captura on es vegi la sortida de la comanda anterior

```
dt. de gen. 14 12:18:07 romerorox@nemesi:~$ sudo doveadm auth test testmail testmail
passdb: testmail auth succeeded
extra fields:
  user=testmail
dt. de gen. 14 12:19:18 romerorox@nemesi:~$
```

	Institut Antoni Ballester Sistemes Microinformàtics i Xarxes. M7 - Serveis de Xarxa	Mail 3	Zulema Romero	Curs: 24-25
---	---	--------	---------------	-------------