

Лаборатория работа 9

Настройка POP3/IMAP сервера

ПОДГОТОВИЛА: КИМ РЕАЧНА
ГРУППА: НПИБД-02-20

Цель работы:

Приобретение практических навыков по установке и простейшему конфигурированию POP3/IMAP-сервера.

Задание:

- Установка Dovecot
- Настройка dovecot
- Проверка работы Dovecot
- Внесение изменений в настройки внутреннего окружения виртуальной машины

Установка Dovecot

```
[kreachna@server.kreachna.net ~]$ sudo -i
[sudo] password for kreachna:
[root@server.kreachna.net ~]# dnf -y install dovecot telnet
Extra Packages for Enterprise Linux 9 - x86_64 27 kB/s | 21 kB 00:00
Extra Packages for Enterprise Linux 9 - x86_64 6.2 MB/s | 12 MB 00:01
Rocky Linux 9 - BaseOS 4.4 kB/s | 3.6 kB 00:00
Rocky Linux 9 - BaseOS 1.6 MB/s | 1.7 MB 00:01
Rocky Linux 9 - AppStream 6.1 kB/s | 4.1 kB 00:00
Rocky Linux 9 - AppStream 2.7 MB/s | 6.4 MB 00:02
Rocky Linux 9 - Extras 4.9 kB/s | 2.9 kB 00:00
Rocky Linux 9 - Extras 8.3 kB/s | 7.0 kB 00:00
Dependencies resolved.
=====
Package Architecture Version Repository Size
=====
Installing:
dovecot x86_64 1:2.3.16-7.el9 appstream 4.7 M
telnet x86_64 1:0.17-85.el9 appstream 63 k
Installing dependencies:
clucene-core x86_64 2.3.3.4-42.20130812.e8e3d20git.el9 appstream 585 k
libexttextcat x86_64 3.4.5-11.el9 appstream 209 k
Transaction Summary
=====
Install 4 Packages
Total download size: 5.6 M
```

Настройка dovecot

```
root@server:/etc/dovecot x mc [root@server.kreac... x root@server:~ x kreachna@s
## Dovecot configuration file

# If you're in a hurry, see http://wiki2.dovecot.org/QuickConfiguration

# "doveconf -n" command gives a clean output of the changed settings
# instead of copy&pasting files when posting to the Dovecot mailing list

# '#' character and everything after it is treated as comments. Extra spaces
# and tabs are ignored. If you want to use either of these explicitly, use the
# value inside quotes, eg.: key = "# char and trailing whitespace"

# Most (but not all) settings can be overridden by different protocols. For
# source/destination IPs by placing the settings inside sections, for example:
# protocol imap { }, local 127.0.0.1 { }, remote 10.0.0.0/8 { }

# Default values are shown for each setting, it's not required to use them
# those. These are exceptions to this though: No sections (e.g. name) or
# or plugin settings are added by default, they're listed only as examples.
# Paths are also just examples with the real defaults being based on the
# options. The paths listed here are for configure --prefix=/usr
# --sysconfdir=/etc --localstatedir=/var

# Protocols we want to be serving.
#protocols = imap pop3 lmtp submission
protocols = imap pop3

# A comma separated list of IPs or hosts where to listen in for connections.
# "*" listens in all IPv4 interfaces, ":::" listens in all IPv6 interfaces.

# Require a valid SSL client certificate or the authentication fails.
#auth_ssl_require_client_cert = no

# Take the username from client's SSL certificate, using
# X509_NAME_get_text_by_NID() which returns the subject's DN's
# CommonName.
#auth_ssl_username_from_cert = no

# Space separated list of wanted authentication mechanisms:
# plain login digest-md5 cram-md5 ntlm rpa apop anonymous gssapi otp
# gss-spnego
# NOTE: See also disable_plaintext_auth setting.
auth_mechanisms = plain

##
## Password and user databases
##

# Password database is used to verify user's password (and nothing more).
# You can have multiple passwd and userdb. This is useful if you want to
# allow both system users (/etc/passwd) and virtual users to login without
# duplicating the system users into virtual database.
#
```


Проверка работы Dovecot

```
[kreachna@server.kreachna.net ~]$ sudo -i
[sudo] password for kreachna:
[root@server.kreachna.net ~]# tail -f /var/log/maillog
Dec  9 10:37:25 server postfix/postfix-script[7808]: stopping the Postfix
Dec  9 10:37:25 server postfix/master[1014]: terminating on signal 15
Dec  9 10:37:25 server postfix/postfix-script[7812]: waiting for the Post
Dec  9 10:37:27 server postfix/postfix-script[7887]: starting the Postfix
Dec  9 10:37:27 server postfix/master[7889]: daemon started -- version 3.5
Dec  9 10:37:47 server dovecot[7929]: master: Dovecot v2.3.16 (7e2e900cla
dumps disabled)

Dec  9 11:34:58 server postfix/smtpd[8763]: connect from client.kreachna.net[192
Dec  9 11:34:58 server postfix/smtpd[8763]: F0BD0870152: client=client.kreachna
Dec  9 11:34:59 server postfix/cleanup[8767]: F0BD0870152: message-id=<2f8bde0c4
l@kreachna.net>
Dec  9 11:34:59 server postfix/qmgr[8253]: F0BD0870152: from=<kreachna@kreachna.
e)
Dec  9 11:34:59 server postfix/smtpd[8763]: disconnect from client.kreachna.net[192
ata=1 quit=1 commands=5
Dec  9 11:34:59 server postfix/local[8768]: F0BD0870152: to=<kreachna@kreachna.r
=0.06/0.01/0/0, dsn=2.0.0, status=sent (delivered to maildir)
Dec  9 11:34:59 server postfix/qmgr[8253]: F0BD0870152: removed
Dec  9 11:35:51 server postfix/smtpd[8763]: connect from client.kreachna.net[192
Dec  9 11:35:51 server postfix/smtpd[8763]: AC676870152: client=client.kreachna
Dec  9 11:35:51 server postfix/cleanup[8767]: AC676870152: message-id=<cefba3f55
l@kreachna.net>
```

Inbox (1 unread) — Evolution

File Edit View Message Folder Search Help

New

Send / Receive

Reply

Group Reply

Forward

Inbox1 unread, 2 total

Show: All Messages

Search: Subject or Ad... in Current Folder

On This Computer

Inbox

Drafts

Junk

Outbox

Sent

Templates

Trash

kreachna@kreachn...

Inbox (1)

Mail

Contacts

Calendar

Tasks

Memos

	From	Subject	Date	To Do
	kreachna <kreachna...>	example1	Today 11:34	Today
	kreachna <kreachna...>	example2	Today 11:35	Tomorrow
				12/11/2...
				12/12/2...
				12/13/2...
				12/14/2...
				12/15/2...
				12/16/2...

From: kreachna <kreachna@kreachna.net>

To: kreachna@kreachna.net

Subject: example1

Date: Fri, 09 Dec 2022 11:34:58 +0000

Внесение изменений в настройки внутреннего окружения виртуальной машины

```
Vagrantfile x mail.sh x mail.sh x
1  #!/bin/bash
2
3  echo "Provisioning script $0"
4
5  echo "Install needed packages"
6  dnf -y install postfix
7  dnf -y install s-nail
8  dnf -y install dovecot telnet
9
10 echo "Copy configuration files"
11 #cp -R /vagrant/provision/server/mail/etc/* /etc
12
13 echo "Configure firewall"
14 firewall-cmd --add-service=smtp --permanent
15 firewall-cmd --add-service=pop3 --permanent
16 firewall-cmd --add-service=pop3s --permanent
17 firewall-cmd --add-service=imap --permanent
18 firewall-cmd --add-service=imaps --permanent
19 firewall-cmd --reload
20
21 restorecon -vR /etc
22
23 echo "Start postfix service"
24 systemctl enable postfix
25 systemctl start postfix
26
27 echo "Configure postfix"
28 postconf -e 'mydomain = user.net'
29 postconf -e 'myorigin = $mydomain'
30 postconf -e 'inet_protocols = ipv4'
31 postconf -e 'inet_interfaces = all'
32 postconf -e 'mydestination = $myhostname, localhost.$mydomain, localhost, $mydomain'
33 postconf -e 'mynetworks = 127.0.0.0/8, 192.168.0.0/16'
34 postconf -e 'home_mailbox = Maildir/'
35
36
37 postfix set-permissions
38
39 restorecon -vR /etc
40
41 systemctl stop postfix
42 systemctl start postfix
43
44 systemctl enable dovecot
45 systemctl start dovecot
```

```
Vagrantfile x mail.sh x mail.sh x
1  #!/bin/bash
2
3  echo "Provisioning script $0"
4
5  echo "Install needed packages"
6  dnf -y install postfix
7  dnf -y install s-nail
8  dnf -y install evolution
9
10 echo "Configure postfix"
11 postconf -e 'inet_protocols = ipv4'
12
13 echo "Start postfix service"
14 systemctl enable postfix
15 systemctl start postfix
16
```

Вывод

Получила приобретение практических навыков по установке и простейшему конфигурированию POP3/IMAP-сервера.

Спасибо за внимание!