Защита лабораторной работы № 9

Настройка POP3/IMAP сервера

Администрирование сетевых подсистем

Работу Выполнил:
Саинт-Амур Измаэль
Группа: НПИбд-02-20

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

```
[saismael@server.saismael.net ~]$ sudo -i
[sudo] password for saismael:
[root@server.saismael.net ~]# dnf -y install dovecot telnet
Last metadata expiration check: 2:22:37 ago on Thu 08 Dec 2022 03:58:50 AM UTC
Dependencies resolved.
================================================================================
 Package          Arch     Version                              Repository  Siz
================================================================================
Installing:
 dovecot          x86_64   1:2.3.16-7.el9                       appstream   4.7
 telnet           x86_64   1:0.17-85.el9                        appstream    63
Installing dependencies:
 clucene-core     x86_64   2.3.3.4-42.20130812.e8e3d20git.el9   appstream   585
 libexttextcat    x86_64   3.4.5-11.el9                         appstream   209

Transaction Summary
================================================================================
Install  4 Packages

Total download size: 5.6 M
Installed size: 20 M
Downloading Packages:
(1/4): telnet-0.17-85.el9.x86_64.rpm                 43 kB/s |  63 kB    00:01
```

В конфигурационных файлах настраиваем список почтовых протоколов, по которым разрешено работать Dovecot, метод аутентификации, месторасположение почтовых ящиков пользователей, а также проверяем, что для поиска пользователей и их паролей используется pam и файл passwd

```
dovecot.conf          [-M--] 21 L:[ 15+ 9  24/102] *(1176/4316b) 0010 0x00A  [*][X]

# Default values are shown for each setting, it's not required to uncomment
# those. These are exceptions to this though: No sections (e.g. namespace {})
# 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 configure
# options. The paths listed here are for configure --prefix=/usr
# --sysconfdir=/etc --localstatedir=/var


# Protocols we want to be serving.
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.
# If you want to specify non-default ports or anything more complex,
# edit conf.d/master.conf.
#listen = *, ::


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


# Name of this instance. In multi-instance setup doveadm and other commands
# can use -i <instance_name> to select which instance is used (an alternative
```

```
10-auth.conf          [----]  0 L:[ 82+10  92/128] *(4138/5248b) 0035 0x023  [*][X]
# Path for Samba's ntlm_auth helper binary.
#auth_winbind_helper_path = /usr/bin/ntlm_auth

# Time to delay before replying to failed authentications.
#auth_failure_delay = 2 secs

# 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
1Help    2Save    3Mark    4Replac 5Copy    6Move    7Search 8Delete 9PullDn10Quit
```
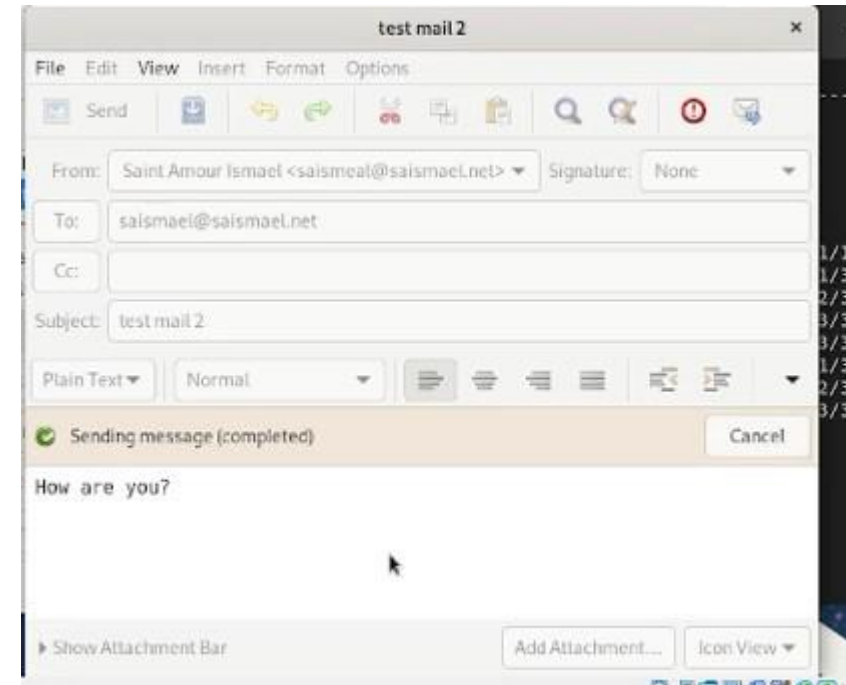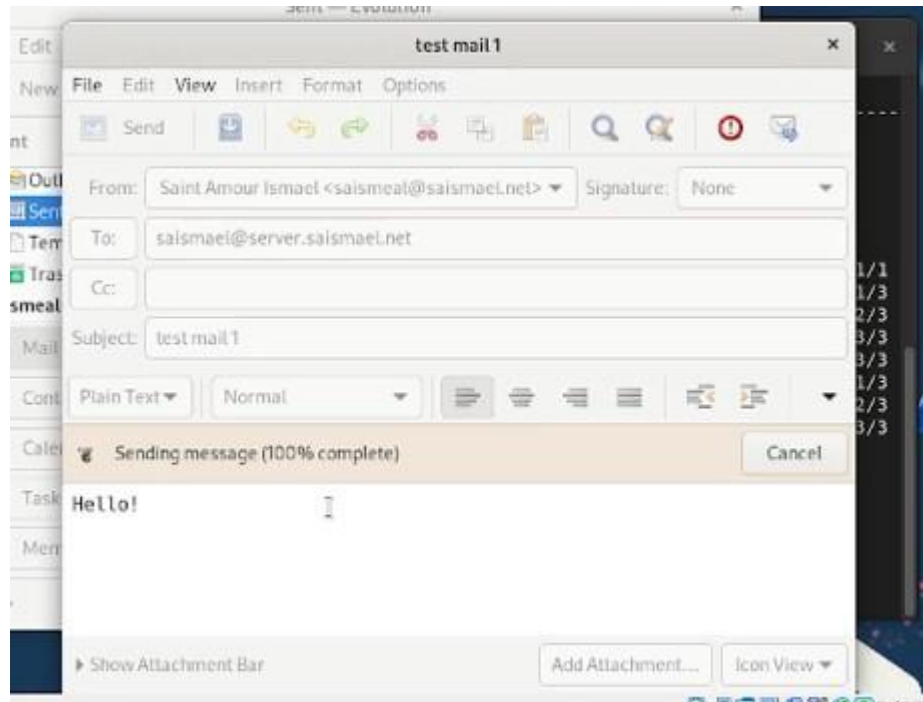
Конфигурируем межсетевой экран, разрешив работать
службам протоколов POP3 и IMAP

```
[root@server.saismael.net ~]# telnet mail.saismael.net 110
Trying 192.168.1.1...
Connected to mail.saismael.net.
Escape character is '^]'.
+OK Dovecot ready.
user saismael
+OK
pass 123456
+OK Logged in.
list
+OK 2 messages:
1 694
2 672
.
retr 1
+OK 694 octets
Return-Path: <saismeal@saismael.net>
X-Original-To: saismael@server.saismael.net
Delivered-To: saismael@server.saismael.net
Received: from client.saismael.net (client.saismael.net [192.168.1.30])
        by server.saismael.net (Postfix) with ESMTP id AE236196D5E2
        for <saismael@server.saismael.net>; Thu,  8 Dec 2022 07:54:47 +0000 (UTC
)
Message-ID: <344795476645831ae8f870a17d019649caa8696e.camel@saismael.net>
```

```
Delivered-To: saismael@server.saismael.net
Received: from client.saismael.net (client.saismael.net [192.168.1.30])
        by server.saismael.net (Postfix) with ESMTP id AE236196D5E2
        for <saismael@server.saismael.net>; Thu,  8 Dec 2022 07:54:47 +0000
)
Message-ID: <344795476645831ae8f870a17d019649caa8696e.camel@saismael.net>
Subject: test mail 1
From: Saint Amour Ismael <saismeal@saismael.net>
To: saismael@server.saismael.net
Date: Thu, 08 Dec 2022 07:54:45 +0000
Content-Type: text/plain
User-Agent: Evolution 3.40.4 (3.40.4-6.el9)
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit

Hello!

.
dele 2
+OK Marked to be deleted.
quit
+OK Logging out, messages deleted.
Connection closed by foreign host.
[root@server.saismael.net ~]#
```

Внесение изменений в настройки внутреннего окружения виртуальной машины

```
[root@server.saismael.net server]# cp -R /etc/dovecot/conf.d/10-auth.conf /vagra
nt/provision/server/mail/etc/dovecot/conf.d/
[root@server.saismael.net server]# cp -R /etc/dovecot/conf.d/auth-system.conf.ex
t /vagrant/provision/server/mail/etc/dovecot/conf.d/
[root@server.saismael.net server]# cp -R /etc/dovecot/conf.d/10-mail.conf /vagra
nt/provision/server/mail/etc/dovecot/conf.d/
[root@server.saismael.net server]#
```

```bash
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 --reload
16
17  restorecon -vR /etc
18
19  echo "Start postfix service"
20  systemctl enable postfix
21  systemctl start postfix
22
23  echo "Configure postfix"
24  postconf -e 'mydomain = user.net'
25  postconf -e 'myorigin = $mydomain'
26  postconf -e 'inet_protocols = ipv4'
27  postconf -e 'inet_interfaces = all'
28  postconf -e 'mydestination = $myhostname, localhost.$mydomain,
29  ▢ localhost, $mydomain'
30  postconf -e 'mynetworks = 127.0.0.0/8, 192.168.0.0/16'
31
32  postfix set-permissions
```

Приобрел практические навыки по установке и простейшему конфигурированию POP3/IMAP-сервера.