

Лабораторная работа 9

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Цель лабораторной работы

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

Выполнение лабораторной работы

Конфигурация dovecot

```
root@server:~
kyarmetov@server:~
root@server:~
dovecot.conf [----] 21 L:[ 11+14 25/103] *(1177/4317b) 0010 0x00A [*][X]

# Most (but not all) settings can be overridden by different protocols and/or
# 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 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.

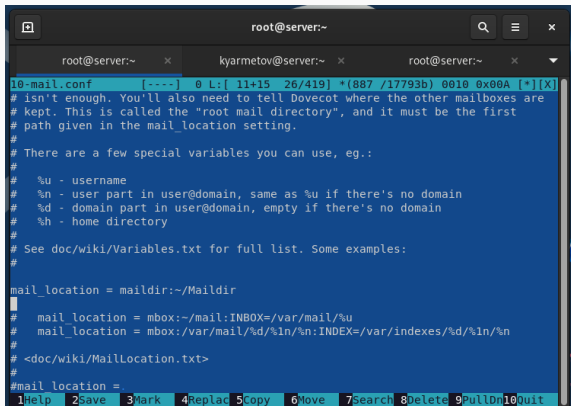
protocols = imap pop3

# 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 = *, ::

1Help 2Save 3Mark 4Replac 5Copy 6Move 7Search 8Delete 9PullDn 10Quit
```

Figure 1: файл dovecot.conf

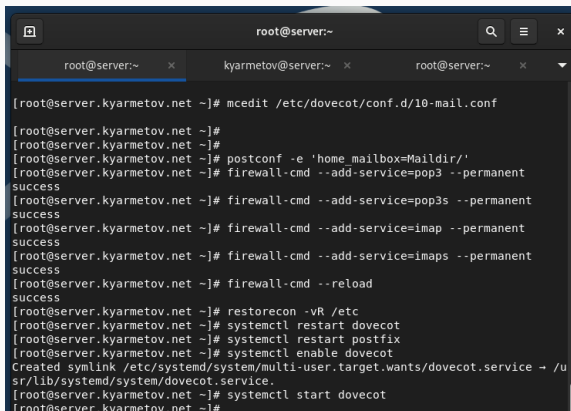
Конфигурация dovecot



```
10-mail.conf  [----]  0 L: [ 11+15  26/419]  *(887 /17793b) 0010 0x00A [*][X]
# 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 =
1Help 2Save 3Mark 4Replac 5Copy 6Move 7Search 8Delete 9PullOn 10Quit
```

Figure 2: файл auth-system.conf.ext

Конфигурация dovecot



```
root@server:~  
root@server:~ x kyarmetov@server:~ x root@server:~ x  
[root@server.kyarmetov.net ~]# mcedit /etc/dovecot/conf.d/10-mail.conf  
[root@server.kyarmetov.net ~]#  
[root@server.kyarmetov.net ~]#  
[root@server.kyarmetov.net ~]# postconf -e 'home_mailbox=Maildir/'  
[root@server.kyarmetov.net ~]# firewall-cmd --add-service=pop3 --permanent  
success  
[root@server.kyarmetov.net ~]# firewall-cmd --add-service=pop3s --permanent  
success  
[root@server.kyarmetov.net ~]# firewall-cmd --add-service=imap --permanent  
success  
[root@server.kyarmetov.net ~]# firewall-cmd --add-service=imaps --permanent  
success  
[root@server.kyarmetov.net ~]# firewall-cmd --reload  
success  
[root@server.kyarmetov.net ~]# restorecon -vR /etc  
[root@server.kyarmetov.net ~]# systemctl restart dovecot  
[root@server.kyarmetov.net ~]# systemctl restart postfix  
[root@server.kyarmetov.net ~]# systemctl enable dovecot  
Created symlink /etc/systemd/system/multi-user.target.wants/dovecot.service -> /usr/lib/systemd/system/dovecot.service.  
[root@server.kyarmetov.net ~]# systemctl start dovecot  
[root@server.kyarmetov.net ~]#
```

Figure 3: файл auth-system.conf.ext

Настройка Firewall

Identity

Welcome
Restore from Backup
Identity
Receiving Email
Sending Email
Account Summary
Done

Please enter your name and email address below. The "optional" fields below do not need to be filled in, unless you wish to include this information in email you send.

Required Information

Full Name:

Email Address:

Optional Information

Reply-To:

Organization:

Aliases:

Add
Edit
Remove

☒ Look up mail server details based on the entered e-mail address

Cancel Back Next

Figure 4: Настройка Firewall

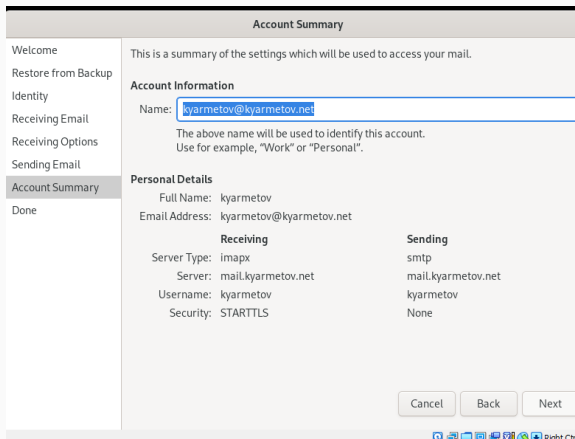


Figure 5: конфигурация почтового клиента

Проверка работы

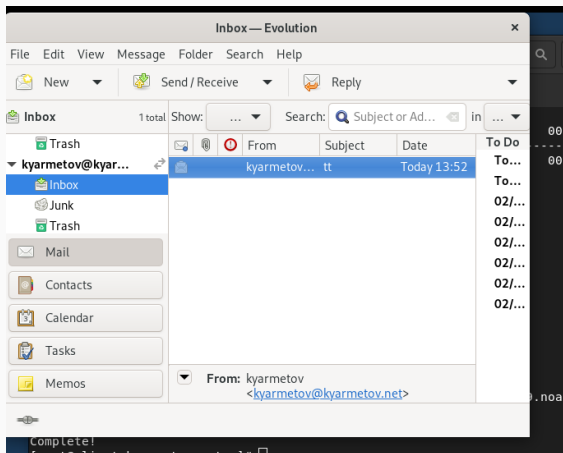
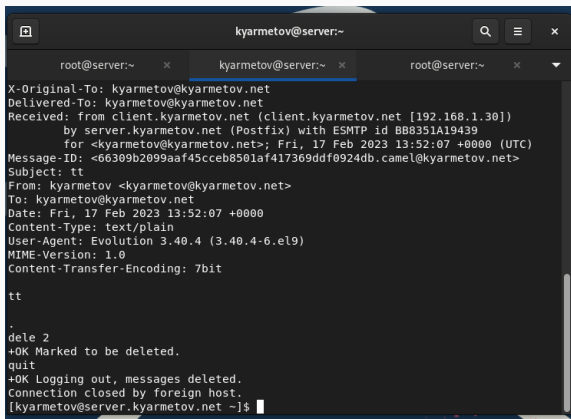


Figure 6: конфигурация почтового клиента

Проверка работы



```
kyarmetov@server:~  
root@server:~ x kyarmetov@server:~ x root@server:~ x  
X-Original-To: kyarmetov@kyarmetov.net  
Delivered-To: kyarmetov@kyarmetov.net  
Received: from client.kyarmetov.net (client.kyarmetov.net [192.168.1.30])  
    by server.kyarmetov.net (Postfix) with ESMTP id BB8351A19439  
    for <kyarmetov@kyarmetov.net>; Fri, 17 Feb 2023 13:52:07 +0000 (UTC)  
Message-ID: <66309b2099aaf45cceb8501af417369ddf0924db.camel@kyarmetov.net>  
Subject: tt  
From: kyarmetov <kyarmetov@kyarmetov.net>  
To: kyarmetov@kyarmetov.net  
Date: Fri, 17 Feb 2023 13:52:07 +0000  
Content-Type: text/plain  
User-Agent: Evolution 3.40.4 (3.40.4-6.el9)  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
  
tt  
  
.  
dele 2  
+OK Marked to be deleted.  
quit  
+OK Logging out, messages deleted.  
Connection closed by foreign host.  
[kyarmetov@server.kyarmetov.net ~]$
```

Figure 7: отправка письма

подключение по telnet

Приобретены практические навыки по установке и конфигурированию SMTP-сервера.