

ОТЧЕТ ЛАБОРАТОРНОЙ РАБОТЫ 9

ДИСЦИПЛИНА

АДМИНИСТРИРОВАНИЕ СЕТЕВЫХ
ПОДСИСТЕМ

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ТЕМА НАСТРОЙКА POP3/IMAP СЕРВЕРА

Цель работы

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

YCTAHOBKA DOVECOT

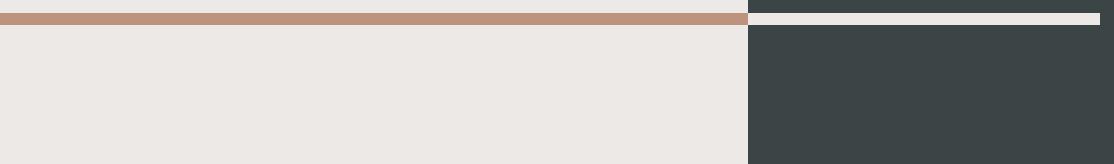
```
File Edit View Search Terminal Tabs Help
root@localhost:~ astakhovamd@localhost:vagrant/provision/server/...
astakhovamd@localhost.astakhovamd.net named]$ sudo -i
[sudo] password for astakhovamd:
root@localhost.astakhovamd.net ~]# dnf -y install dovecot telnet
Last metadata expiration check: 1:35:16 ago on Wed 26 Nov 2025 09:26:57 AM UTC.
Dependencies resolved.
=====
Package           Architecture Version          Repository      Size
=====
Installing:
dovecot          x86_64      1:2.3.16-15.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
Installed size: 20 M
Downloading Packages:
[====] --- B/s | 0 B    --:-- ETA
The downloaded packages were saved in cache until the next successful transaction.
You can remove cached packages by executing 'dnf clean packages'.
Error: Error downloading packages:
Curl error (6): Couldn't resolve host name for https://mirrors.rockylinux.org/mirrorlist?arch=x86_64&repo=AppStream-9 [Could not resolve host: mirrors.rockylinux.org]
[root@localhost.astakhovamd.net ~]#
```

НАСТРОЙКА DOVECOT

```
# content-type=type or !type - Include/ex
#   never consider the matched MIME part
#   negate an exclusion (e.g. content-type
# exclude-inlined - Exclude any Content-D
#mail_attachment_detection_options =
mail_location = maildir:~/Maildir

^G Help          ^O Write Out    ^W Where Is
^X Exit          ^R Read File     ^\ Replace
```



```
# REMEMBER: You'll need /etc/pam.d/dovecot for
# authentication to actual
# Dovecot users.

passdb {
  driver = pam
}
userdb {
  driver = passwd
}

# System users (NSS, /etc/passwd)
# In many systems nowadays
# configured in /etc/nsswitch.conf
```

```
Activities Terminal Nov 26 11:13
root@localhost:/etc/dovecot/c

File Edit View Search Terminal Tabs Help
astakhovamd@localhost:/vagrant/provision/server... × root@localhost: ~
GNU nano 5.6.1 10-auth.conf
# 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 gssap-
# gss-spnego
# NOTE: See also disable_plaintext_auth setting.
auth_mechanisms = plain

##
## Password and user databases
##
```

ПРОВЕРКА РАБОТЫ DOVECOT

```
[astakhovamd@localhost.astakhovamd.net named]$ sudo -i  
[sudo] password for astakhovamd:  
[root@localhost.astakhovamd.net ~]# cd /etc/dovecot/  
[root@localhost.astakhovamd.net dovecot]# sudo nano dovecot.conf  
[root@localhost.astakhovamd.net dovecot]# cd /etc/dovecot/conf.d/  
[root@localhost.astakhovamd.net conf.d]# sudo nano 10-auth.conf  
[root@localhost.astakhovamd.net conf.d]# sudo nano auth-system.conf.ext  
[root@localhost.astakhovamd.net conf.d]# sudo nano 10-mail.conf  
[root@localhost.astakhovamd.net conf.d]# postconf -e 'home_mailbox = Maildir/'  
[root@localhost.astakhovamd.net conf.d]#
```

success

```
[root@localhost.astakhovamd.net conf.d]# firewall-cmd --reload  
success
```

```
[root@localhost.astakhovamd.net conf.d]# firewall-cmd --list-services  
astakhovamd.net conf.d]#
```

```
[root@localhost.astakhovamd.net conf.d]# postconf -e 'home_mailbox = Maildir/'  
[root@localhost.astakhovamd.net conf.d]# firewall-cmd --get-services  
RH-Satellite-6 RH-Satellite-6-capsule afp amanda-client amanda-k5-client amqp amqp  
p2 bacula bacula-client bareos-director bareos-filedaemon bareos-storage bb bgp bi
```

ПРОВЕРКА РАБОТЫ DOVECOT

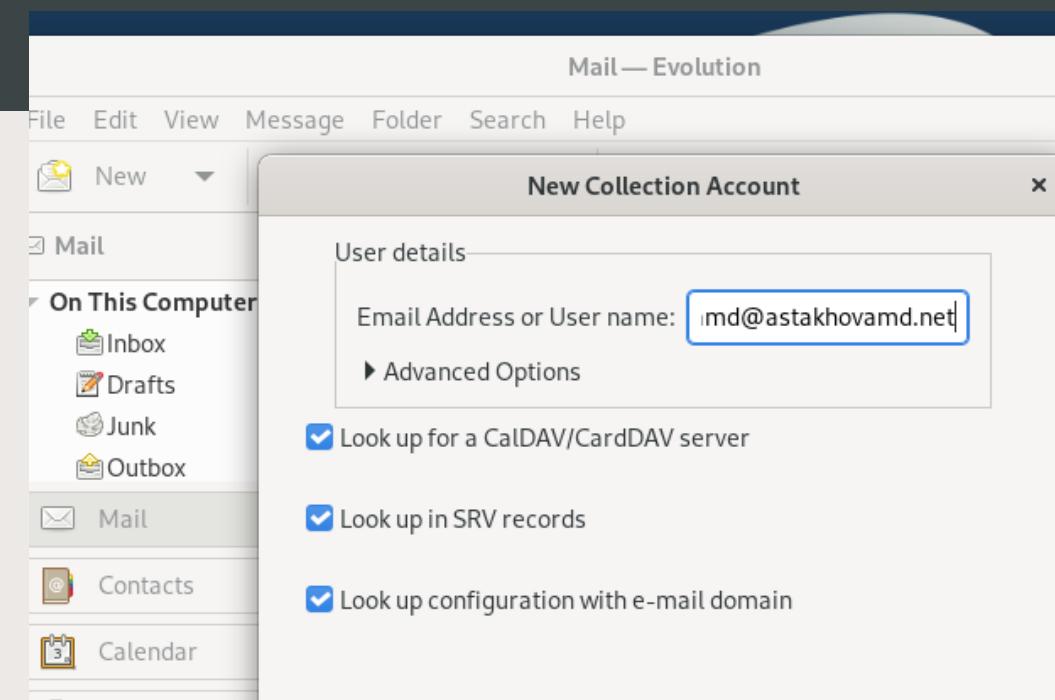
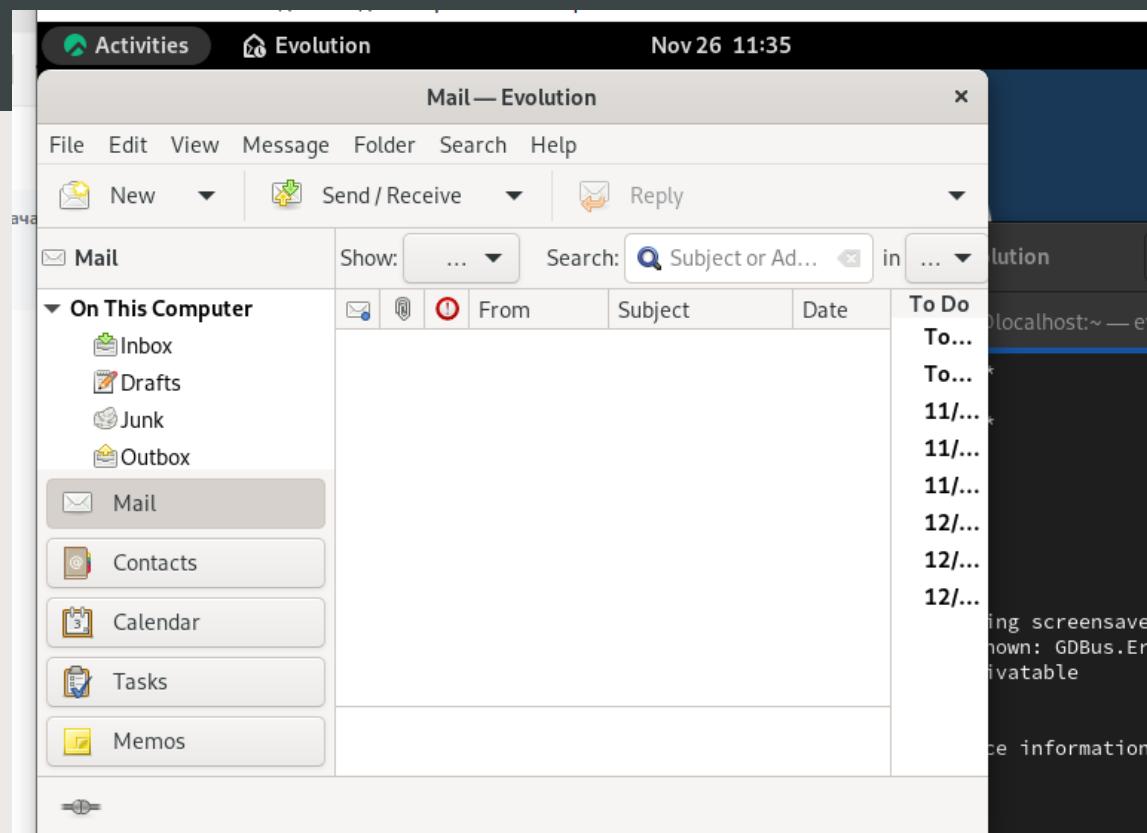
```
[root@localhost.astakhovamd.net ~]# getent passwd | grep astakhovamd
astakhovamd:x:1001:1001::/home/astakhovamd:/bin/bash
[root@localhost.astakhovamd.net ~]# ls -la /home/astakhovamd/Maildir/
total 4
drwx-----. 5 astakhovamd astakhovamd 39 Nov 26 11:20 .
drwx-----. 15 astakhovamd astakhovamd 4096 Nov 26 11:20 ..
drwx-----. 2 astakhovamd astakhovamd 6 Nov 26 11:20 cur
drwx-----. 2 astakhovamd astakhovamd 134 Nov 26 11:25 new
drwx-----. 2 astakhovamd astakhovamd 6 Nov 26 11:25 tmp
[root@localhost.astakhovamd.net ~]# ls -la /var/spool/mail/astakhovamd
-rw-rw----. 1 astakhovamd mail 1112 Nov 26 10:03 /var/spool/mail/astakhovamd
[root@localhost.astakhovamd.net ~]# doveadm mailbox list -u astakhovamd
INBOX
[root@localhost.astakhovamd.net ~]#
```

```
root@localhost:~ [1]
(3/3): evolution-3.40.4-11.el9_6.1.x86_64.rpm 1.3 MB/s | 3.7 MB
-----
Total 3.1 MB/s | 10 MB
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing : 
Installing : highlight-3.60-5.el9.x86_64
Installing : evolution-langpacks-3.40.4-11.el9_6.1.noarch
Installing : evolution-3.40.4-11.el9_6.1.x86_64
Running scriptlet: evolution-3.40.4-11.el9_6.1.x86_64
Verifying : evolution-3.40.4-11.el9_6.1.x86_64
Verifying : highlight-3.60-5.el9.x86_64
Verifying : evolution-langpacks-3.40.4-11.el9_6.1.noarch

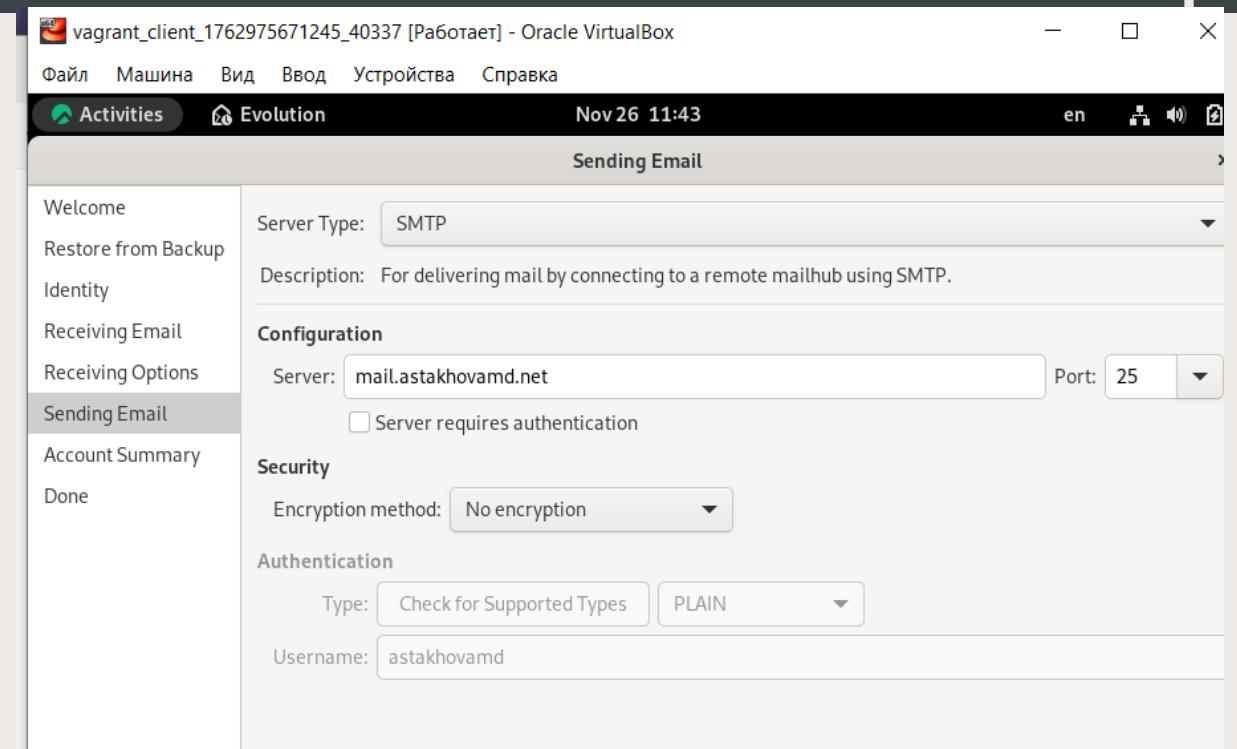
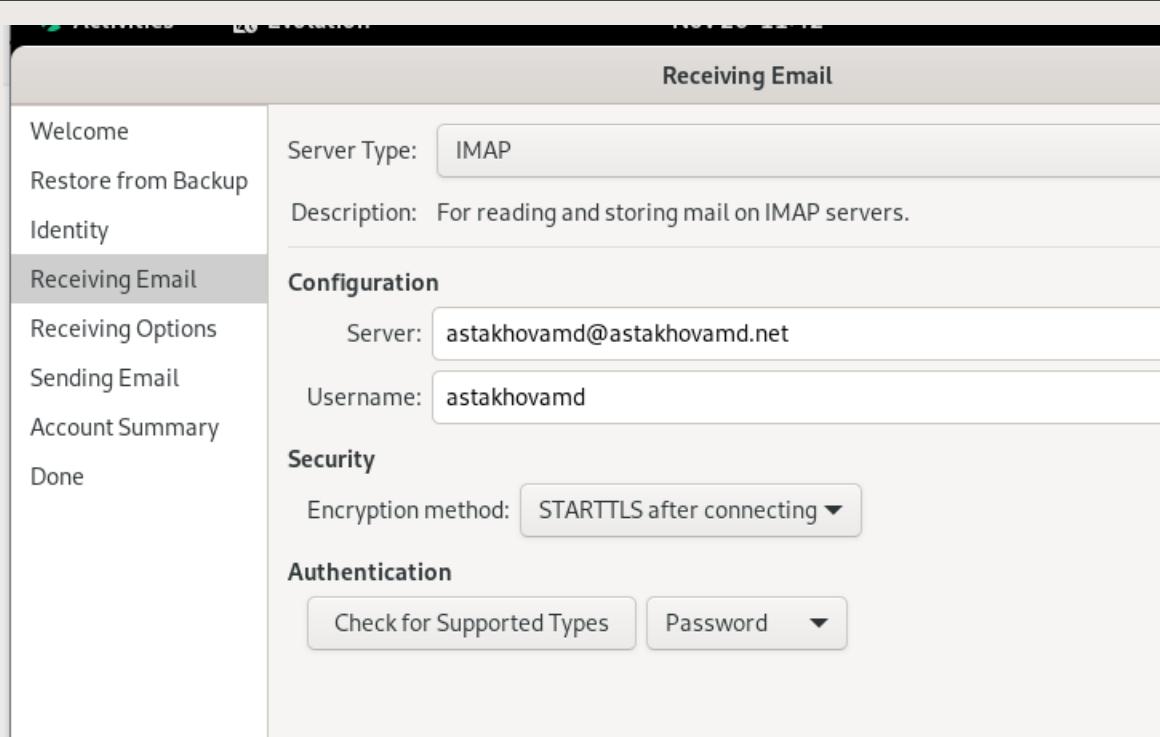
Installed:
 evolution-3.40.4-11.el9_6.1.x86_64
 evolution-langpacks-3.40.4-11.el9_6.1.noarch
 highlight-3.60-5.el9.x86_64

Complete!
[root@localhost.astakhovamd.net ~]#
```

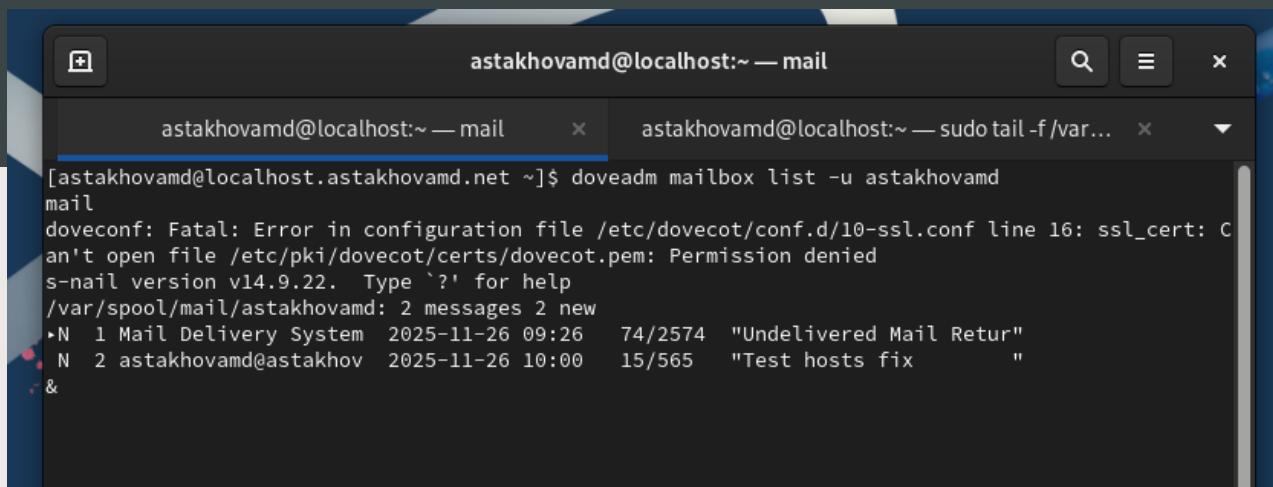
ПРОВЕРКА РАБОТЫ DOVECOT



ПРОВЕРКА РАБОТЫ DOVECOT

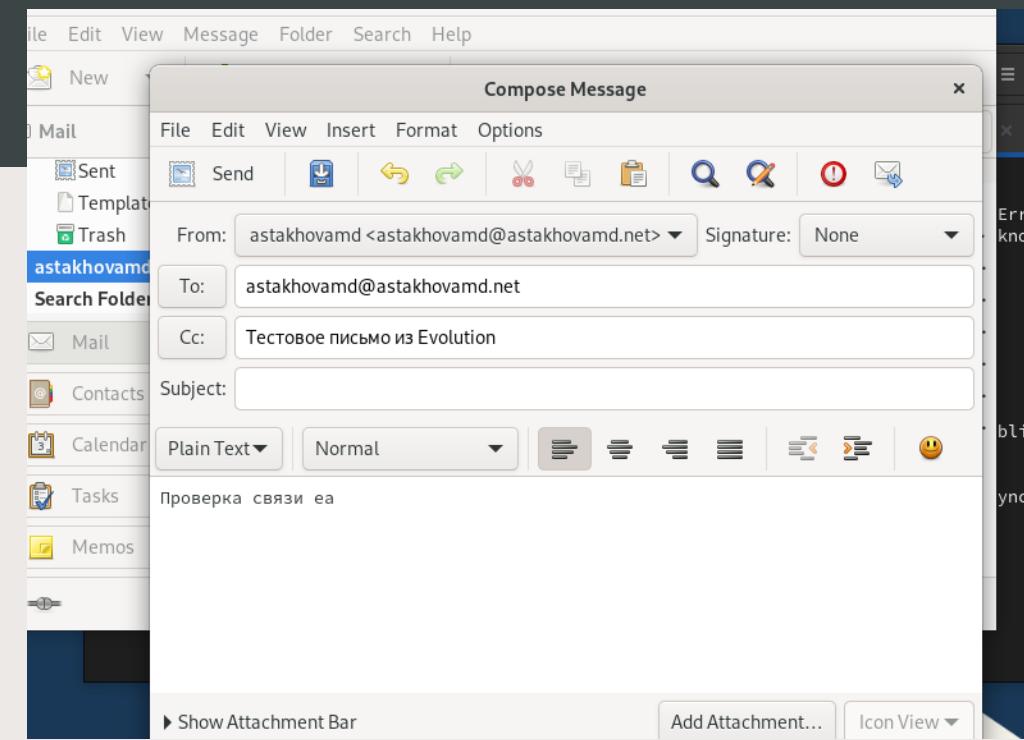


ПРОВЕРКА РАБОТЫ DOVECOT



astakhovamd@localhost:~ — mail

```
[astakhovamd@localhost.astakhovamd.net ~]$ doveadm mailbox list -u astakhovamd
mail
doveconf: Fatal: Error in configuration file /etc/dovecot/conf.d/10-ssl.conf line 16: ssl_cert: C
an't open file /etc/pki/dovecot/certs/dovecot.pem: Permission denied
s-mail version v14.9.22. Type '?' for help
/var/spool/mail/astakhovamd: 2 messages 2 new
  N 1 Mail Delivery System 2025-11-26 09:26    74/2574 "Undelivered Mail Retur"
  N 2 astakhovamd@astakhov 2025-11-26 10:00    15/565 "Test hosts fix      "
&
```



ПРОВЕРКА РАБОТЫ DOVECOT

```
mail.astakhovamd.net: Unknown host  
  
[root@localhost.astakhovamd.net ~]# sudo nano /etc/hosts  
[root@localhost.astakhovamd.net ~]# telnet mail.astakhovamd.net 110  
Trying ::1...  
Connected to mail.astakhovamd.net.  
Escape character is '^]'.  
+OK Dovecot ready.  
USER astakhovamd  
+OK  
PASS 12345  
+OK Logged in.  
-ERR [SYS/PERM] Permission denied  
Connection closed by foreign host.  
[root@localhost.astakhovamd.net ~]#
```

```
root@localhost.astakhovamd.net ~]# sudo nano /etc/dovecot/conf.d/10-mail.conf  
[root@localhost.astakhovamd.net ~]# sudo usermod -a -G mail astakhovamd  
[root@localhost.astakhovamd.net ~]# sudo systemctl restart dovecot  
[root@localhost.astakhovamd.net ~]# doveadm auth test astakhovamd  
Password:  
passdb: astakhovamd auth succeeded  
extra fields:  
user=astakhovamd  
  
[root@localhost.astakhovamd.net ~]# telnet mail.astakhovamd.net 110  
Trying ::1...  
Connected to mail.astakhovamd.net.  
Escape character is '^]'.  
+OK Dovecot ready.  
USER astakhovamd  
+OK  
PASS 12345  
+OK Logged in.  
LIST  
+OK 2 messages:  
1 2600  
2 518  
:
```

ВНЕСЕНИЕ ИЗМЕНЕНИЙ В НАСТРОЙКИ ВНУТРЕННЕГО ОКРУЖЕНИЯ ВИРТУАЛЬНОЙ МАШИНЫ.

```
#!/bin/bash
echo "Provisioning script $0"
echo "Install needed packages"

dnf -y install postfix
dnf -y install s-nail

echo "Configure postfix"
postconf -e 'inet_protocols = ipv4'
echo "Start postfix service"

systemctl enable postfix
systemctl start postfix

dnf -y install evolution
```

```
echo "Start postfix service"

systemctl enable postfix
systemctl start postfix

#!/bin/bash

# Установка Dovecot и Telnet
dnf install -y dovecot telnet

# Настройка межсетевого экрана
firewall-cmd --permanent --add-service=pop3
firewall-cmd --permanent --add-service=imap
firewall-cmd --permanent --add-service=smtp
firewall-cmd --reload

# Настройка Postfix - месторасположение почтового ящика
postconf -e "home_mailbox = Maildir/"
postconf -e "myhostname = localhost.astakhovamd.net"
postconf -e "mydomain = astakhovamd.net"
postconf -e "mydestination = \$myhostname, localhost,
\$mydomain, localhost, \$mydomain"

# Перезапуск Postfix и запуск Dovecot
systemctl restart postfix
systemctl enable dovecot
systemctl start dovecot

# Настройка Dovecot
echo "mail_location = maildir:~/Maildir" >>
/etc/dovecot/conf.d/10-mail.conf
echo "ssl = no" >> /etc/dovecot/conf.d/10-ssl.conf
echo "disable_plaintext_auth = no" >> /etc/dovecot/conf.d/10-
auth.conf

# Перезапуск Dovecot для применения настроек
systemctl restart dovecot

echo "Почтовый сервер настроен!"
```

СПАСИБО
ЗА ВНИМАНИЕ!

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