

# \_Postfix, Dovecot

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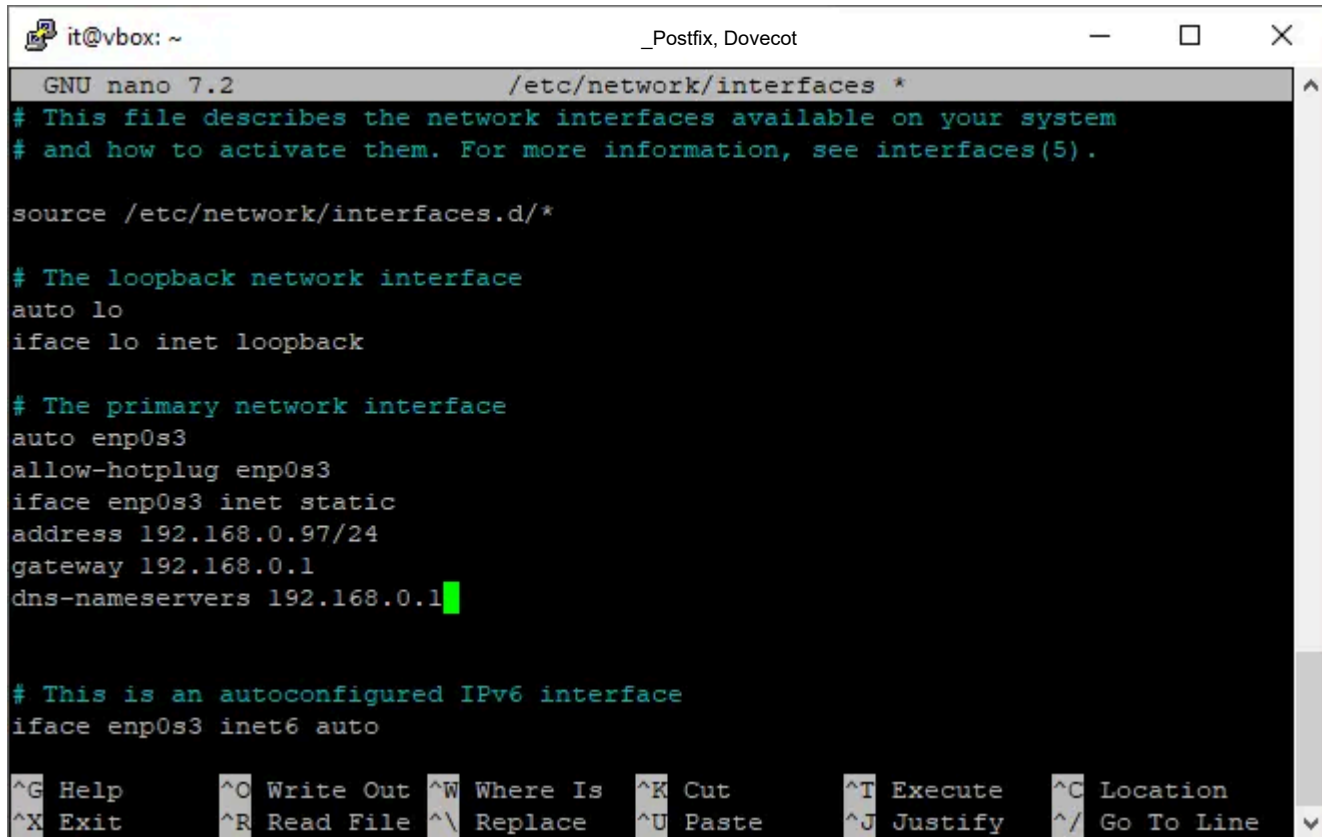
- выполняем команды от рута `su -` , либо ставим `sudo` и закидываем себя в `sudoers`:

```
su -  
apt install sudo -y  
usermod -aG sudo it  
su - it  
sudo apt instal mc
```



- фиксируем ip в файле `/etc/network/interfaces`

```
# The primary network interface  
auto enp0s3  
allow-hotplug enp0s3  
iface enp0s3 inet static  
address 192.168.0.97/24  
gateway 192.168.0.1  
dns-nameservers 192.168.0.1
```



it@vbox: ~ \_Postfix, Dovecot

```
GNU nano 7.2 /etc/network/interfaces *
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

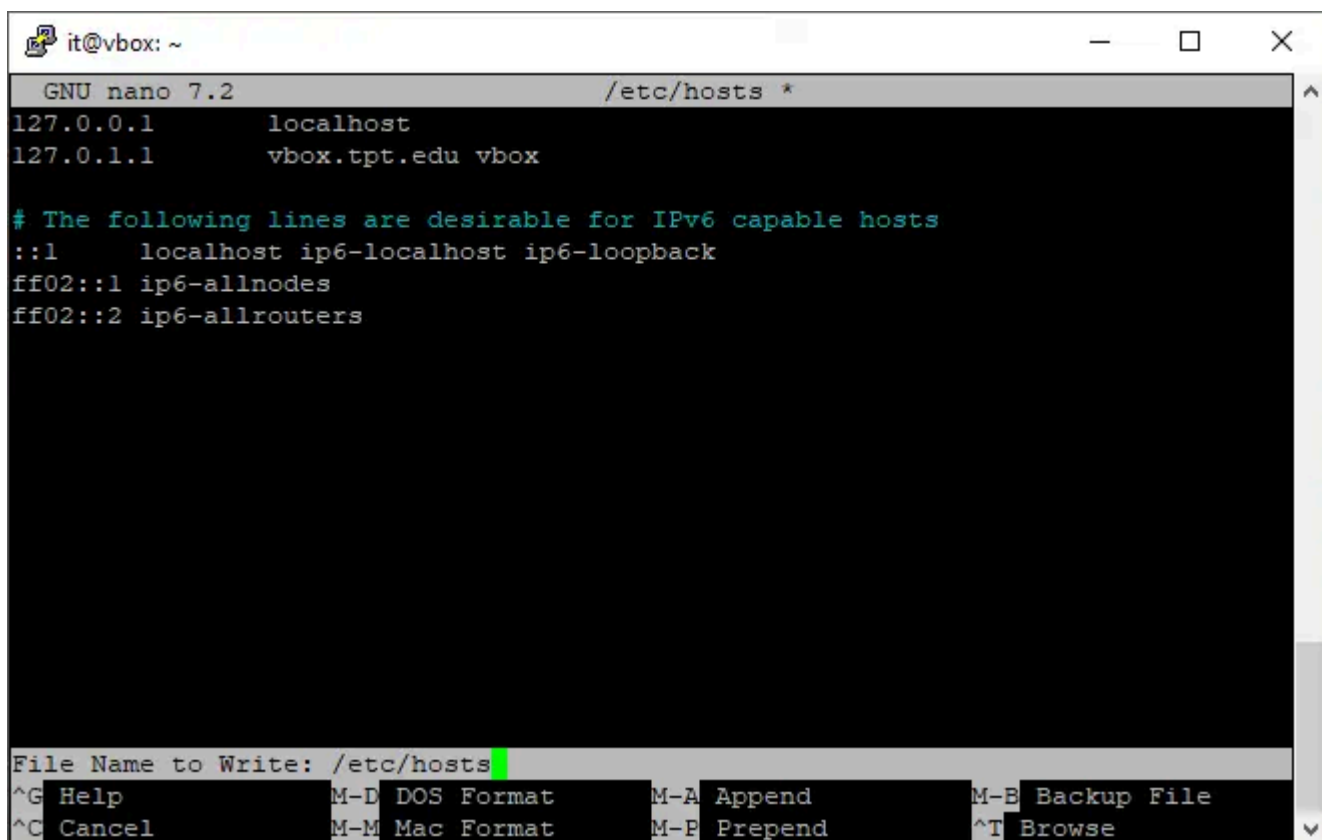
# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto enp0s3
allow-hotplug enp0s3
iface enp0s3 inet static
address 192.168.0.97/24
gateway 192.168.0.1
dns-nameservers 192.168.0.1

# This is an autoconfigured IPv6 interface
iface enp0s3 inet6 auto

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

- проверяем имя хоста по `hostname` , при необходимости меняем по `sudo hostnamectl set-hostname`
- Надо задать имя хоста , домена



it@vbox: ~

```
GNU nano 7.2 /etc/hosts *
127.0.0.1    localhost
127.0.1.1    vbox.tpt.edu vbox

# The following lines are desirable for IPv6 capable hosts
::1          localhost ip6-localhost ip6-loopback
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters

File Name to Write: /etc/hosts
^G Help      M-D DOS Format  M-A Append     M-B Backup File
^C Cancel     M-M Mac Format  M-P Prepend    ^T Browse
```

- проверяем hostname и FQDN - `hostname` / `hostname -f`

```
it@vbox: ~
_Postfix, Dovecot
root@vbox:~# hostname
vbox
root@vbox:~# hostname -f
vbox.tpt.edu
root@vbox:~#
```

- ребутим `systemctl restart networking`
- просто так, чтоб сравнить потом какие порты откроются после установки почтовиков:

```
root@vbox:~# netstat -antp
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN
498/sshd: /usr/sbin
tcp        0     64 192.168.0.97:22         192.168.0.5:40819       ESTABLISHED
561/sshd: it [priv]
tcp6       0      0 :::22                  :::*                    LISTEN
498/sshd: /usr/sbin
root@vbox:~#
```

```
it@vbox: ~ _Postfix, Dovecot
root@vbox:~# netstat -antp
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      498/sshd: /usr/sbin
tcp        0      64 192.168.0.97:22         192.168.0.5:40819       ESTABLISHED 561/sshd: it [priv]
tcp6       0      0 :::22                  :::*                    LISTEN      498/sshd: /usr/sbin
root@vbox:~# ^C
root@vbox:~#
```

## Postfix

- ставим postfix `apt install postfix`
- при установке выбираем пункт "Internet with smarthost". Остальные параметры оставляем по умолчанию т.к мы всё равно их сможем поменять в конфигурационном файле **/etc/postfix/main.cf**
- SMTP relay host - ставим пустым
- бекавим файл настроек `cp main.cf main.cf.copy` и добавляем пару строк, остальные значения по умолчанию пока нас устраивают:

```
mail_owner = postfix
home_mailbox = Maildir/
inet_protocols = ipv4
```

## Dovecot

- Ставим `apt install -y dovecot-core dovecot-pop3d dovecot-imapd`
- идём в **/etc/dovecot/conf.d/10-master.conf** , и на 107 строчке делаем раскоменты

```
# Postfix smtp-auth
unix_listener /var/spool/postfix/private/auth {
    mode = 0666
    user = postfix
    group = postfix
}
```

- идём в **/etc/dovecot/conf.d/10-auth.conf** на 10 и 100 строчки соответственно:

```
disable_plaintext_auth = no
auth_mechanisms = plain login
```

- идём **/etc/dovecot/conf.d/10-mail.conf** на 30 строчку

```
mail_location = maildir:~/Maildir
```

\_Postfix, Dovecot

- идём в **/etc/dovecot/dovecot.conf**

делаем раскоммент 30ой строки

```
listen = *, ::
```

- `systemctl restart dovecot`

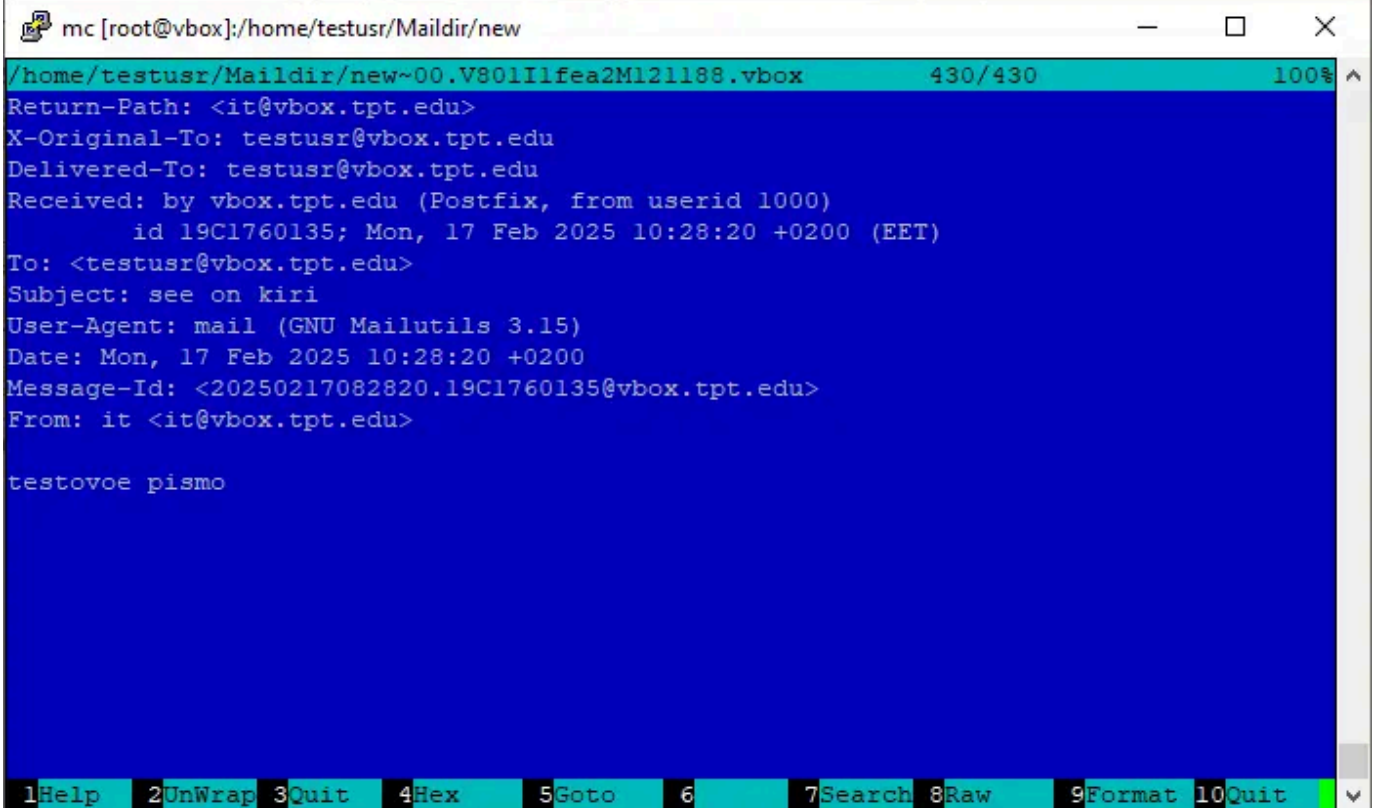
## Mailutils

- ставим `apt -y install mailutils`
- делаем `echo 'export MAIL=$HOME/Maildir/' >> /etc/profile.d/mail.sh` т.к по умолчанию письма сохраняются в **/var/mail/**
- добавляем пользователя `adduser testusr` и `adduser mobile`
- отправляем письмо от пользователя **it** пользователю **testusr**:

`mail testusr@vbox.tpt.edu`. Заполняем, при Ctrl+D происходит отправка

```
it@vbox:~$ mail testusr@vbox.tpt.edu
Cc:
Subject: see on kiri
testovoe pismo
it@vbox:~$
```

- заходим теперь в **/home/testusr/Maildir/new** и видим наше полученное письмо:



The screenshot shows a terminal window titled 'mc [root@vbox]:/home/testusr/Maildir/new'. The terminal displays the headers and body of an email received from 'it' to 'testusr@vbox.tpt.edu'. The email headers include Return-Path, X-Original-To, Delivered-To, Received, To, Subject, User-Agent, Date, Message-Id, and From. The body of the email is 'testovoe pismo'. The terminal has a blue background and a status bar at the bottom with various navigation shortcuts.

```
mc [root@vbox]:/home/testusr/Maildir/new
/home/testusr/Maildir/new~00.V80lIlfea2Ml2l188.vbox 430/430 100%
Return-Path: <it@vbox.tpt.edu>
X-Original-To: testusr@vbox.tpt.edu
Delivered-To: testusr@vbox.tpt.edu
Received: by vbox.tpt.edu (Postfix, from userid 1000)
        id 19C1760135; Mon, 17 Feb 2025 10:28:20 +0200 (EET)
To: <testusr@vbox.tpt.edu>
Subject: see on kiri
User-Agent: mail (GNU Mailutils 3.15)
Date: Mon, 17 Feb 2025 10:28:20 +0200
Message-Id: <20250217082820.19C1760135@vbox.tpt.edu>
From: it <it@vbox.tpt.edu>

testovoe pismo

1Help 2UnWrap 3Quit 4Hex 5Goto 6 7Search 8Raw 9Format 10Quit
```

- Смотрим `netstat -antp`, интересуют 25, 110, 143, 993, 995 порты. Всё ок. Просто на всякий случай)

```
mc [root@vbox]:/home/it _Postfix, Dovecot
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
inet_protocols = ipv4
home_mailbox = Maildir/
root@vbox:/home/it# cat /var/log/mail.log
cat: /var/log/mail.log: No such file or directory
root@vbox:/home/it# netstat -antp
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:110             0.0.0.0:*               LISTEN      5556/dovecot
tcp        0      0 0.0.0.0:25             0.0.0.0:*               LISTEN      6178/master
tcp        0      0 0.0.0.0:22             0.0.0.0:*               LISTEN      498/sshd: /usr/sbin
tcp        0      0 0.0.0.0:143            0.0.0.0:*               LISTEN      5556/dovecot
tcp        0      0 0.0.0.0:993            0.0.0.0:*               LISTEN      5556/dovecot
tcp        0      0 0.0.0.0:995            0.0.0.0:*               LISTEN      5556/dovecot
tcp        0      64 192.168.0.97:22        192.168.0.5:40819      ESTABLISHED 561/sshd: it [priv]
tcp        0      0 192.168.0.97:143      192.168.0.5:19954      ESTABLISHED 6263/dovecot/imap
tcp6       0      0 :::110                 :::*                   LISTEN      5556/dovecot
tcp6       0      0 :::22                  :::*                   LISTEN      498/sshd: /usr/sbin
tcp6       0      0 :::143                  :::*                   LISTEN      5556/dovecot
tcp6       0      0 :::993                  :::*                   LISTEN      5556/dovecot
tcp6       0      0 :::995                  :::*                   LISTEN      5556/dovecot
root@vbox:/home/it#
```

## Thunderbird

- Заранее меняем в **/etc/hosts** (В виндовс: **C:\Windows\System32\drivers\etc\hosts**)

192.168.0.97 vbox.tpt.edu

- Настройки IMAP и SMTP соответственно:

✉ testusr@vbox.tpt.edu

Server Settings

Copies & Folders

Composition & Addressing

Junk Settings

Synchronization & Storage

End-To-End Encryption

Return Receipts

Local Folders

Junk Settings

Disk Space

Outgoing Server (SMTP)

Server Settings

Server Type: IMAP Mail Server

Server Name: vbox.tpt.edu Port: 143 Default: 143

User Name: testusr

Security Settings

Connection security: None

Authentication method: Password, transmitted insecurely

Server Settings

☒ Check for new messages at startup

☒ Check for new messages every 1 minutes

☒ Allow immediate server notifications when new messages arrive

When I delete a message:

**SMTP Server**    \_Postfix, Dovecot

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**Settings**

Description:

Server Name:

Port:    Default: 587

**Security and Authentication**

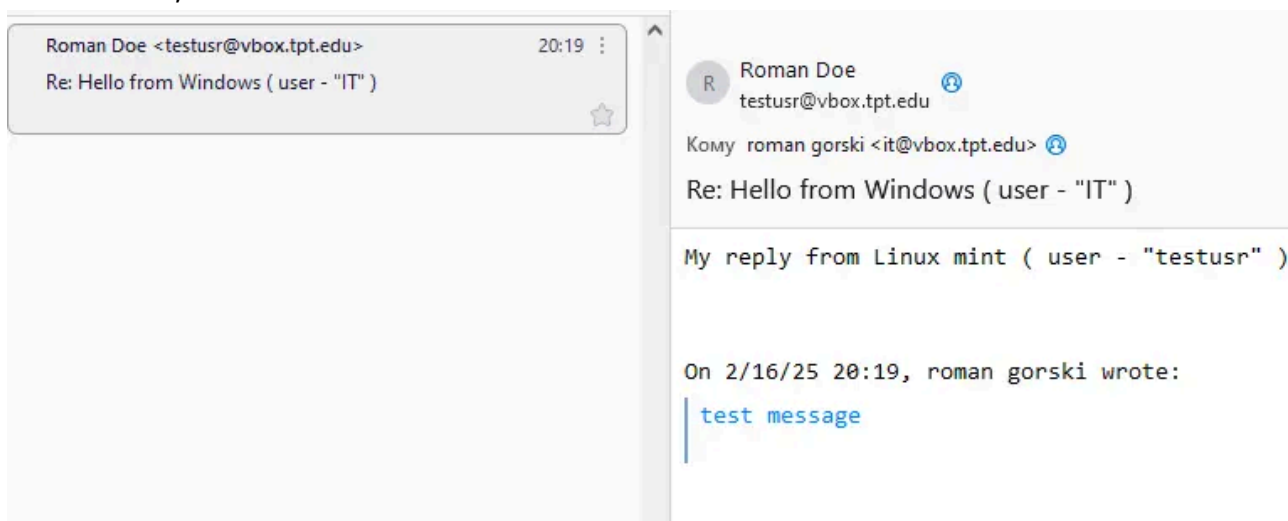
Connection security:  ▼

Authentication method:  ▼

User Name:

**Details of selected server:**

- На windows логинимся под одним юзером **it** , на линуксе под другим - **testusr**.
- Отсылаем, и отвечаем -



- Done

Links:

[https://www.server-world.info/en/note?os=Debian\\_12&p=mail&f=1](https://www.server-world.info/en/note?os=Debian_12&p=mail&f=1)  
<http://veeremaa.tpt.edu.ee/2017/maillabor.html>