

Postfix SMTP Server, Courier IMAP, POP3 Ubuntu Linux



μ μ

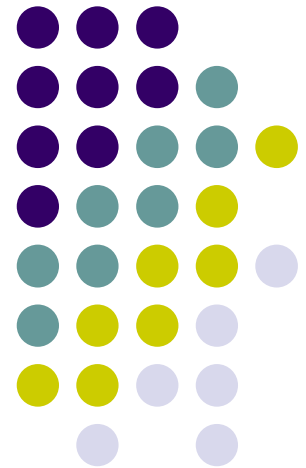
μ

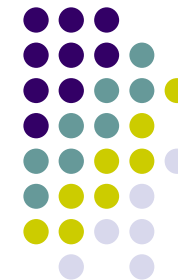
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Postfix server installation

- General type of mail configuration: **Internet Site**
- System mail name: **cnmslab.uop.gr**
- Root and postmaster mail recipient: **username**
- Other destinations for mail: **cnmslab.uop.gr, localhost.cnmslab.com, localhost**
- Force synchronous updates on mail queue?: **No**
- Local networks: **127.0.0.0/8**
- Mailbox size limit (bytes): **0**
- Local address extension character: **+**
- Internet protocols to use: **all**



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Postfix Server

- configuration : main.cf
 - /etc/postfix
- μ μ :
- parameter = value
- μ :
- new_parameter = \$parameter



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Postfix

server (1)

```
## My own hostname  
myhostname = cnmslab.uop.gr
```

- μ μ
smtp server
- μ configuration smtp
server

server (2)

μ

Postfix



What domain name to use in outbound mail
myorigin = \$myhostname

- μ domain e-mail
μ server
- . . μ μ e-mail
μ server μ :
<username>@ \$cnmslab.uop.gr

server (3)

μ

Postfix



What domains to receive mail for
mydestination = \$myhostname, localhost.\$mydomain,
localhost

- domain
e-mail μ server μ
- . . μ e-mail μ

server (4)

μ

Postfix



What clients to relay mail from
mynetworks = 127.0.0.0/8

- μ postfix
e-mail
- default e-mail μ
μ .

server (5)

μ

Postfix



What destinations to relay mail to
relay_domains =

- e-mail μ « μ » μ
- . . μ e-mail



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Postfix

server (6)

What delivery method: direct or indirect
relayhost =

- μ e-mail
internet
server relay host.
- . . μ , μ
internet.



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Postfix

server (7)

```
## What trouble to report to the postmaster  
alias_maps = hash:/etc/aliases  
alias_database = hash:/etc/aliases
```

- μ server mail. postmaster
- μ aliases

```
sudo nano /etc/aliases
```

```
postmaster: root  
root: root@cnmslab.uop.gr
```

server (8)

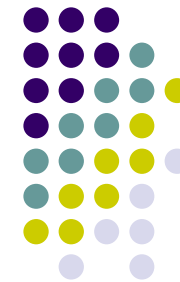
μ

Postfix



```
## My own network addresses  
inet_interfaces = all
```

- μ interface μ « »
smtp server.
- . . μ
interfaces.



Postfix

μ

server (9)

```
## Mailbox size  
mailbox_size_limit = 0
```

- mailbox μ μ μ
- . . 0 μ μ mailbox



Postfix Server

- configuration, Server.

```
sudo cp /etc/postfix/main.cf /etc/postfix/main.bck
```

```
sudo nano /etc/postfix/main.cf
```

```
sudo /etc/init.d/postfix restart
```



- μ fmaster

```
sudo useradd -m -s /bin/bash fmaster  
sudo passwd fmaster
```

Postfix Server



- μ Postfix Server μ telnet.

```
telnet cnmslab.uop.gr 25
```

```
ehlo cnmslab.uop.gr
```

```
mail from: <username>@ cnmslab.uop.gr
```

```
rcpt to: fmaster@cnmslab.uop.gr
```

```
data
```

```
Subject: My first mail on Postfix
```

```
Hello from UOP
```

```
regards,
```

```
Nikos
```

```
. (Type the .[dot] in a new Line and press Enter )
```

```
quit
```

mail client



- fmaster μ client mailx
 μ mails

```
sudo apt-get install mailx  
su - fmaster  
mail
```

μ

server (10)

μ

Postfix



```
## Maildir to deliver mails  
home_mailbox = Maildir/
```

- Maildirs Server μ μ
- , Maildir

μ Server

- Configuration
/etc/courier/imapd
- μ μ

sudo nano /etc/courier/imapd

```
PORT=143  
AUTHSERVICE143=imap  
ADDRESS=0
```

Courier-imap



courier-imap:

server
IMAP

μ Server

- Configuration
/etc/courier/pop3d

- μ
μ

sudo nano /etc/courier/pop3d

PORT=110

ADDRESS=0

Courier-pop



courier-pop:

server
POP3

Server



- postfix, courier-imap, courier-pop

```
sudo /etc/init.d/postfix restart
```

```
sudo /etc/init.d/courier-imap restart
```

```
sudo /etc/init.d/courier-pop restart
```

Courier-imap Server



- μ Courier-imap Server μ telnet.

telnet cnmslab.uop.gr 143

- . login fmaster pass
- . list "" "*"
- . status INBOX (messages)
- . select INBOX
- . fetch 1 full
- . fetch 1 rfc822.header
- . fetch 1 rfc822.text
- . logout

Courier-pop Server



- μ Courier-pop Server μ telnet.

```
telnet cnmslab.uop.gr 110
```

```
user fmaster  
pass password  
stat  
list  
retr 1  
quit
```



Thunderbird Mail Client

The screenshot displays the Thunderbird Mail Client interface. The window title is "Inbox for fmaster@cnmslab.uop.gr - Thunderbird". The menu bar includes File, Edit, View, Go, Message, Tools, and Help. The toolbar contains icons for Get Mail, Write, Address Book, Reply, Reply All, Forward, Tag, Delete, Junk, Print, Back, and Forward. The left sidebar shows the folder structure under "All Folders":

- fmaster@cnmslab.uop.gr
 - Inbox
 - Sent
 - Trash
- vagelis@cnmslab.uop.gr
 - Inbox
 - Trash
- Local Folders

The main pane shows a list of emails with columns for Subject, Sender, and Date. The selected email is:

Subject	Sender	Date
Hello second	vagelis@cnmslab....	05/20/200...
My subject	root@cnmslab.uo...	05/20/200...
Web Contact Data	Kos@cnmslab.uop...	05/22/200...
Web Contact Data	kosmatos@teleco...	05/22/200...
Web Contact Data	kosmatos@teleco...	05/22/200...
Web Contact Data	kosmatos@teleco...	05/22/200...

The selected email details are:

Subject: Web Contact Data
From: kosmatos@telecom.ntua.gr
Date: 05/22/2009 08:40 PM
To: fmaster@cnmslab.uop.gr

We have received the following information:

Name: Kosmatos Vagelis
Email: kosmatos@telecom.ntua.gr
Message: Hello from UOP

The status bar at the bottom shows "Unread: 0" and "Total: 6".