

# Workshop Email Server (Debian 8/Jessie)

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Oleh:

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# Server DNS

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- Buat Server DNS untuk server email (buka PPT untuk pertemuan minggu ke-2)

```
;
; BIND data file for local loopback interface
;
$TTL      604800
@         IN      SOA     idris.my.id. root.idris.my.id. (
                        2          ; Serial
                        604800     ; Refresh
                        86400      ; Retry
                        2419200    ; Expire
                        604800 )   ; Negative Cache TTL
;
@         IN      NS      idris.my.id.
@         IN      A       10.252.108.200
@         IN      AAAA    ::1
@         IN      MX      10 mail.idris.my.id
mail      IN      A       10.252.108.200
```

# Server DNS (Alt.)

---

```
root@debian:/var/cache/bind# ifconfig eth0
eth0      Link encap:Ethernet  HWaddr 00:0f:fe:f7:42:fc
          inet addr:10.252.108.200  Bcast:10.252.108.255  Mask:255.255.255.0
          inet6 addr: fe80::20f:feff:fef7:42fc/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:398972 errors:0 dropped:0 overruns:0 frame:0
          TX packets:95507 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:595385190 (567.8 MiB)  TX bytes:6866006 (6.5 MiB)

root@debian:/var/cache/bind# nslookup 10.252.108.200
Server:      202.9.85.4
Address:     202.9.85.4#53

200.108.252.10.in-addr.arpa      name = com0.c307.eepis-its.edu.
```

# Instalasi MTA (postfix)

- # apt-get install postfix

```
Postfix Configuration
Please select the mail server configuration type that best meets your needs.

No configuration:
  Should be chosen to leave the current configuration unchanged.
Internet site:
  Mail is sent and received directly using SMTP.
Internet with smarthost:
  Mail is received directly using SMTP or by running a utility such
  as fetchmail. Outgoing mail is sent using a smarthost.
Satellite system:
  All mail is sent to another machine, called a 'smarthost', for delivery.
Local only:
  The only delivered mail is the mail for local users. There is no network.

<Ok>
```

```
Postfix Configuration
General type of mail configuration:

No configuration
Internet Site
Internet with smarthost
Satellite system
Local only

<Ok>      <Cancel>
```

```
Postfix Configuration
The "mail name" is the domain name used to "qualify" _ALL_ mail addresses
without a domain name. This includes mail to and from <root>: please do not
make your machine send out mail from root@example.org unless root@example.org
has told you to.

This name will also be used by other programs. It should be the single, fully
qualified domain name (FQDN).

Thus, if a mail address on the local host is foo@example.org, the correct value
for this option would be example.org.

System mail name:
com0.c307.eepis-its.edu

<Ok>      <Cancel>
```

# Konfigurasi MTA (postfix)

---

**# postfix -e "myhostname=com0.c307.eepis-its.edu"**

```
root@debian:/var/cache/bind# postfix -e "home_mailbox=Maildir/"
root@debian:/var/cache/bind# postfix -e "mailbox_command="
root@debian:/var/cache/bind# /etc/init.d/postfix restart
[ ok ] Restarting postfix (via systemctl): postfix.service.
root@debian:/var/cache/bind#
```

# Instalasi MDA (courier)

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- # apt-get install courier-imap

```
Configuring courier-base

Courier uses several configuration files in /etc/courier. Some of these files
can be replaced by a subdirectory whose contents are concatenated and treated
as a single, consolidated, configuration file.

The web-based administration provided by the courier-webadmin package relies on
configuration directories instead of configuration files. If you agree, any
directories needed for the web-based administration tool will be created unless
there is already a plain file in place.

Create directories for web-based administration?

<Yes> <No>
```

# Konfigurasi MDA (courier)

---

- # apt-get install courier-imap

```
root@debian:~# cd /etc/skel/
root@debian:/etc/skel# maildirmake Maildir
root@debian:/etc/skel# ls
Maildir
root@debian:/etc/skel# adduser coba
Adding user `coba' ...
Adding new group `coba' (1003) ...
Adding new user `coba' (1003) with group `coba' ...
Creating home directory `/home/coba' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for coba
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n]
root@debian:/etc/skel# █
```

# Ujicoba MDA (courier)

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```
root@debian:/etc/skel# telnet localhost 143
Trying ::1...
Connected to localhost.
Escape character is '^]'.
* OK [CAPABILITY IMAP4rev1 UIDPLUS CHILDREN NAMESPACE THREAD=ORDEREDSUBJECT THREAD=REFERENCES SORT QUOTA IDLE ACL ACL2=UNION] Courier-IMAP ready. Copyright 1998-2011 Double Precision, Inc. See COPYING for distribution information.
a login coba coba
* OK [ALERT] Filesystem notification initialization error -- contact your mail administrator (check for configuration errors with the FAM/Gamin library)
a OK LOGIN Ok.
a logout
* BYE Courier-IMAP server shutting down
a OK LOGOUT completed
Connection closed by foreign host.
root@debian:/etc/skel#
```

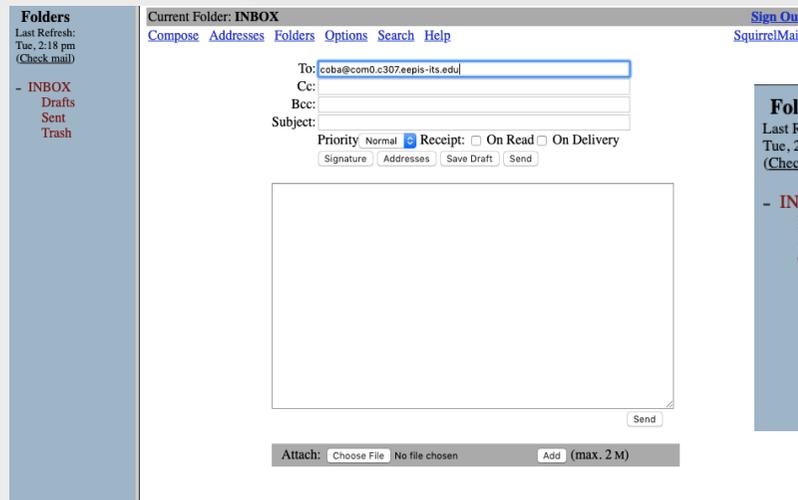
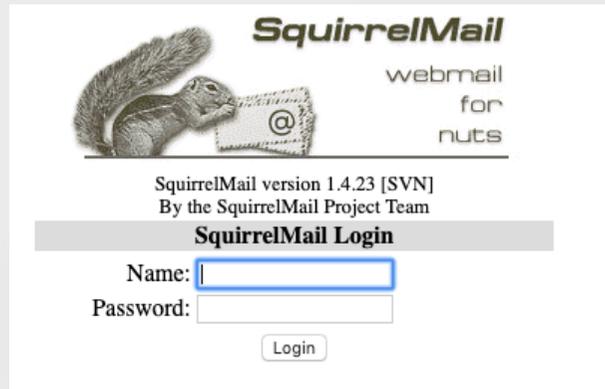
# Instalasi MUA (Squirrelmail)

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- `# apt-get install squirrelmail`
- `# ln -s /usr/share/squirrelmail /var/www/html/mail`

# Ujicoba

- <http://localhost/mail>



# Aliases

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# Konfigurasi Alias

- # vim /etc/aliases
- # newaliases

```
# /etc/aliases
mailer-daemon: postmaster
postmaster: root
nobody: root
hostmaster: root
usenet: root
news: root
webmaster: root
www: root
ftp: root
abuse: root
noc: root
security: root
test: coba
```

Current Folder: INBOX  
[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#)

To: test@com0.c307.eepis-its.edu  
Cc:  
Bcc:  
Subject: test alias

Priority: Normal  Receipt:  On Read  On Delivery

**Folders**  
Last Refresh:  
Tue, 2:18 pm  
(Check mail)

- INBOX
- Drafts
- Sent
- Trash

Current Folder: INBOX [Sign Out](#)  
[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#) [SquirrelMail](#)

[Toggle All](#) Viewing Messages: 1 to 2 (2 total)

Move Selected To:

Transform Selected Messages:

From	Date	Subject
<input type="checkbox"/> coba@com0.c307.eepis-its.edu	2:23 pm	<a href="#">test alias</a>
<input type="checkbox"/> coba@com0.c307.eepis-its.edu	2:19 pm	<a href="#">coba</a>

[Toggle All](#) Viewing Messages: 1 to 2 (2 total)