

MAIL SERVER
DEBIAN 8.7.1 jessie

1. Konfigurasi networking
nano /etc/network/interfaces

```
# The loopback network interface
auto lo
iface lo inet loopback

#ini konfigurasi fera
auto eth0
iface eth0 inet static
    address 192.168.3.85
    netmask 255.255.255.0
    gateway 192.168.3.1

auto eth1
iface eth1 inet static
    address 172.20.20.1
    netmask 255.255.255.0
```

/etc/init.d/networking restart

Tes ping

```
root@komputerku:~# ping 192.168.4.254
PING 192.168.4.254 (192.168.4.254) 56(84) bytes of data:
64 bytes from 192.168.4.254: icmp_seq=1 ttl=63 time=2.08 ms
64 bytes from 192.168.4.254: icmp_seq=2 ttl=63 time=1.39 ms
64 bytes from 192.168.4.254: icmp_seq=3 ttl=63 time=1.43 ms
```

2. Konfigurasi apt

```
root@komputerku:~# echo "deb http://192.168.4.254/debian jessie main contrib" >
/etc/apt/sources.list
root@komputerku:~# apt-get update
Ign http://192.168.4.254 jessie InRelease
Ign http://192.168.4.254 jessie Release.gpg
Ign http://192.168.4.254 jessie Release
Get:1 http://192.168.4.254 jessie/main amd64 Packages [3,450 kB]
Get:2 http://192.168.4.254 jessie/contrib amd64 Packages [12.8 kB]
Ign http://192.168.4.254 jessie/contrib Translation-en_US
Ign http://192.168.4.254 jessie/contrib Translation-en
Ign http://192.168.4.254 jessie/main Translation-en_US
Ign http://192.168.4.254 jessie/main Translation-en
Fetched 3,463 kB in 0s (4,693 kB/s)
Reading package lists... Done
root@komputerku:~#
```

3. Konfigurasi DNS Server

- a) Install
apt-get install bind9
- b) Masuk folder bind
cd /etc/bind
- c) Konfig zone
nano named.conf.default-zones

Tambahkan baris seperti berikut

```
zone "fera.com" {
    type master;
    file "/etc/bind/db.fera";
};

zone "3.168.192.in-addr.arpa" {
    type master;
    file "/etc/bind/db.192";
};
```

- d) Copy db

```
root@komputerku:/etc/bind# cp db.local db.fera
root@komputerku:/etc/bind# cp db.127 db.192
```

- e) Konfigurasi db domain
nano db.fera

```
;
; BIND data file for local loopback interface
;
$TTL      604800
@         IN      SOA      fera.com. root.fera.com. (
                        2      ; Serial
                        604800 ; Refresh
                        86400  ; Retry
                        2419200 ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       fera.com.
@         IN      A        192.168.3.85
@         IN      MX       10 mail.fera.com.
www       IN      A        192.168.3.85
mail      IN      A        192.168.3.85
```

- f) Konfigurasi db IP
nano db.192

```
;
; BIND reverse data file for local loopback interface
;
$TTL      604800
@         IN      SOA      fera.com. root.fera.com. (
                        1      ; Serial
                        604800 ; Refresh
                        86400  ; Retry
                        2419200 ; Expire
                        604800 ) ; Negative Cache TTL
;
@         IN      NS       fera.com.
85        IN      PTR      fera.com.
85        IN      PTR      www.fera.com.
85        IN      PTR      mail.fera.com.
```

- g) Konfigurasi forwarders
nano named.conf.options

```
forwarders {
    8.8.8.8;
};

//=====
// If BIND logs error messages about
// you will need to update your key
//=====
//dnssec-validation auto;
allow-query{any};
```

- h) Konfigurasi resolv
nano /etc/resolv.conf

```
nameserver 192.168.3.85
```

- i) Restart
/etc/init.d/bind9 restart

j) Tes

```
root@komputerku:/etc/bind# nslookup fera.com
Server:      192.168.3.85
Address:     192.168.3.85#53

Name:   fera.com
Address: 192.168.3.85

root@komputerku:/etc/bind# nslookup mail.fera.com
Server:      192.168.3.85
Address:     192.168.3.85#53

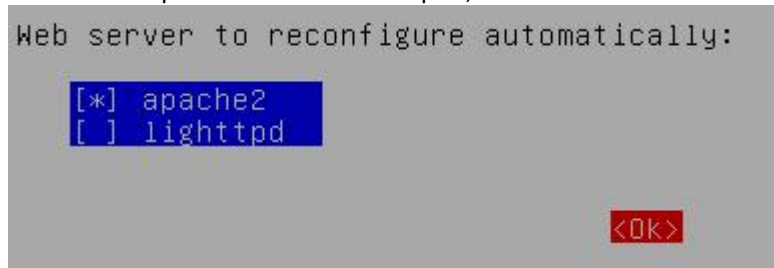
Name:   mail.fera.com
Address: 192.168.3.85
```

4. Instalasi Web Server

- a) Install web database phpmyadmin
apt-get install apache2 php5 mariadb-server phpmyadmin

Setiap ditanya password jawab dengan **root**

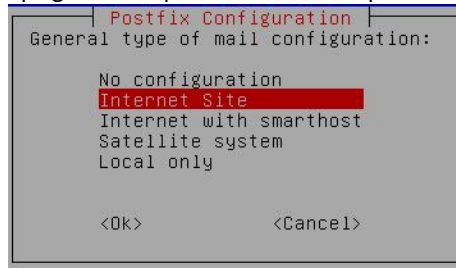
Pada kolom apache2 tekan tombol spasi, kemudian enter



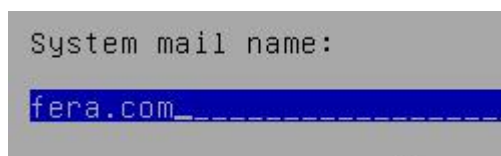
Ada konfirmasi, jawab **yes**

5. Konfigurasi Mail Server

- a) Instalasi
apt-get install postfix courier-imap courier-pop courier-authdaemon



Pilih internet site



Isi dengan nama domain kalian.



Pilih **yes**

- b) Konfigurasi
nano /etc/postfix/main.cf

```
myorigin = /etc/mailname
mydestination = fera.com, komputerku, localhost.localdomain, localhost
relayhost =
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128
#mailbox_command = procmail -a "$EXTENSION"
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
home_mailbox = Maildir/
```

Beri tanda # pada mailbox_command

Tambahkan baris

home_mailbox = Maildir/

- c) Restart
service postfix restart
- d) Pembuatan mail direktori
root@komputerku:~# maildirmake /etc/skel/Maildir
- e) Penambahan user untuk mengirim dan menerima email

adduser dian

```
root@komputerku:~# adduser dian
Adding user `dian' ...
Adding new group `dian' (1001) ...
Adding new user `dian' (1001) with group `dian' ...
Creating home directory `/home/dian' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for dian
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] y
```

adduser andi

```
root@komputerku:~# adduser andi
Adding user `andi' ...
Adding new group `andi' (1002) ...
Adding new user `andi' (1002) with group `andi' ...
Creating home directory `/home/andi' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for andi
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] y
```

- f) Tes Kirim email via telnet

```

root@komputerku:~# telnet mail.fera.com 25
Trying 192.168.3.85...
Connected to mail.fera.com.
Escape character is '^]'.
220 komputerku ESMTF Postfix (Debian/GNU)
mail from:dian@fera.com
250 2.1.0 Ok
rcpt to:andi@fera.com
250 2.1.5 Ok
data
354 End data with <CR><LF>.<CR><LF>
Hai cowoo.....
.
250 2.0.0 Ok: queued as E7FA5437C2
quit
221 2.0.0 Bye
Connection closed by foreign host.
root@komputerku:~# _

```

Contoh pengiriman email dari **dian** ke **andi**

- g) Tes membaca email via telnet

```

root@komputerku:~# telnet mail.fera.com 110
Trying 192.168.3.85...
Connected to mail.fera.com.
Escape character is '^]'.
+OK Hello there.
user andi
+OK Password required.
pass andi
+OK logged in.
stat
+OK 1 387
retr 1
+OK 387 octets follow.
Return-Path: <dian@fera.com>
X-Original-To: andi@fera.com
Delivered-To: andi@fera.com
Received: from fera.com (fera.com [192.168.3.85])
        by komputerku (Postfix) with SMTP id E7FA5437C2
        for <andi@fera.com>; Wed, 29 Aug 2018 16:02:33 +0700 (WIB)
Message-Id: <20180829090241.E7FA5437C2@komputerku>
Date: Wed, 29 Aug 2018 16:02:33 +0700 (WIB)
From: dian@fera.com

Hai cowoo.....
.
quit
+OK Bye-bye.
Connection closed by foreign host.

```

- h) Jos. Berhasil

6. Konfigurasi Web Mail Server

- a) Install
 - apt-get install squirrelmail
- b) Konfigurasi
 - squirrelmail-config**
 - Tekan **2**
 - Tekan **1**
 - Masukkan nama domain kalian**

Tekan S

Tekan Q

```
Server Settings
General
-----
1. Domain           : fera.com
2. Invert Time      : false
3. Sendmail or SMTP : SMTP

A. Update IMAP Settings : localhost:143 (other)
B. Update SMTP Settings : localhost:25

R Return to Main Menu
C Turn color on
S Save data
Q Quit

Command >> s

Data saved in config.php
Press enter to continue..._
```

- c) Konfigurasi apache
nano /etc/apache2/sites-available/000-default.conf

Tambahkan baris seperti berikut di paling bawah:

```
<VirtualHost *:80>
    ServerName      mail.fera.com
    DocumentRoot    /usr/share/squirrelmail
</VirtualHost>
```

- d) Restart apache
/etc/init.d/apache2 restart
7. Uji Coba pada client
Setting IP DNS Client supaya mengarah ke debian

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address:

Subnet mask:

Default gateway:

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server:

Alternate DNS server:

8. Buka Browser. Ketik alamat email. Login dengan user andi



9. Kemudian uji coba kirim email



Klik compose
Ketik emailnya
Klik Send
Sign Out



10. SignOut kemudian login sebagai dian

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

[Toggle All](#) Viewing Message: **1** (1 total)

Move Selected To: Transform Selected Messages:

☐	From	Date	Subject
☐	andi@fera.com	4:19 pm	kenalan

[Toggle All](#) Viewing Message: **1** (1 total)

Klik Emailnya untuk membaca.

Subject: kenalan
From: andi@fera.com
Date: Wed, August 29, 2018 4:19 pm
To: dian@fera.com
Priority: Normal
Options: [View Full Header](#) | [View Printable Version](#) | [Download this as a file](#)

kenalan yuk

11. Berhasil. Terimakasih

Penulis : Fera Zulkarnain, S.Pd.