

Mail & Web Mail Server

Pastikan kalian sudah mengkonfigurasi IP, DNS Server, Web Server

Masukan file iso Debian 8 dvd 2

Install paket squirrelmail postfix courier-imap courier-pop

```
root@aril:~# apt-get install squirrelmail postfix courier-imap courier-pop
```

Masukan dvd 1 kemudian enter

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-1 20160604-14:09'
in the drive '/media/cdrom/' and press enter
```

Pilih Internet Site kemudian enter

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.	
General type of mail configuration:	
No configuration	
Internet Site	
Internet with smarthost	
Satellite system	
Local only	
<div><Ok> <Cancel></div>	

Di system mail name : isi dns yang kita buat

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:	
aril20.net	
<div><Ok> <Cancel></div>	

Masukan Debian dvd 2 kemudian enter

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-2 20160604-14:09'
in the drive '/media/cdrom/' and press enter
```

Pilih no kemudian enter

```
Create directories for web-based administration?

<Yes> <No>
```

Masukan Debian dvd 3 kemudian enter

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-3 20160604-14:09'
in the drive '/media/cdrom/' and press enter
```

Buat folder Maildir di /etc/skel

```
root@aril:~# maildirmake /etc/skel/Maildir
```

Edit file main.cf servis postfix

```
root@aril:~# nano /etc/postfix/main.cf _
```

Tambahkan script di paling bawah

```
home_mailbox = Maildir
```

```
recipient_delimiter = +
inet_interfaces = all
home_mailbox = Maildir/
```

Edit file apache.conf

```
root@aril:~# nano /etc/squirrelmail/apache.conf _
```

Edit baris dibawah sesuaikan kemudian sesuaikan juga dns yang kita buat dengan sub domain mail
dan jangan lupa hilangkan tanda #

```
# users will prefer a simple URL like http://webmail.example.com
<VirtualHost *:80>
    DocumentRoot /usr/share/squirrelmail
    ServerName mail.aril20.net
</VirtualHost>
```

Edit file apache2.conf

```
root@aril:~# nano /etc/apache2/apache2.conf
```

Tambahkan script berikut di baris paling bawah dan perhatikan huruf besar kecilnya

```
Include /etc/squirrelmail/apache.conf
```

```
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
Include /etc/squirrelmail/apache.conf
```

Rekonfigurasi postfix

```
root@aril:~# dpkg-reconfigure postfix
```

Pilih OK dengan menekan tab kemudian enter

```
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

<Ok>
```

Pilih Internet Site kemudian enter

```
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.

General type of mail configuration:

  No configuration
  Internet Site
  Internet with smarthost
  Satellite system
  Local only

<Ok>                                <Cancel>
```

Di system mail name isikan dns yang dibuat kemudian enter

Postfix Configuration	
<p>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.</p> <p>This name will also be used by other programs. It should be the single, fully qualified domain name (FQDN).</p> <p>Thus, if a mail address on the local host is foo@example.org, the correct value for this option would be example.org.</p> <p>System mail name:</p> <p>aril20.net</p> <p><Ok> <Cancel></p>	

Root and postmaster biarkan kosong kemudian enter

Postfix Configuration	
<p>Mail for the 'postmaster', 'root', and other system accounts needs to be redirected to the user account of the actual system administrator.</p> <p>If this value is left empty, such mail will be saved in /var/mail/nobody, which is not recommended.</p> <p>Mail is not delivered to external delivery agents as root.</p> <p>If you already have a /etc/aliases file and it does not have an entry for root, then you should add this entry. Leave this blank to not add one.</p> <p>Root and postmaster mail recipient:</p> <p></p> <p><Ok> <Cancel></p>	

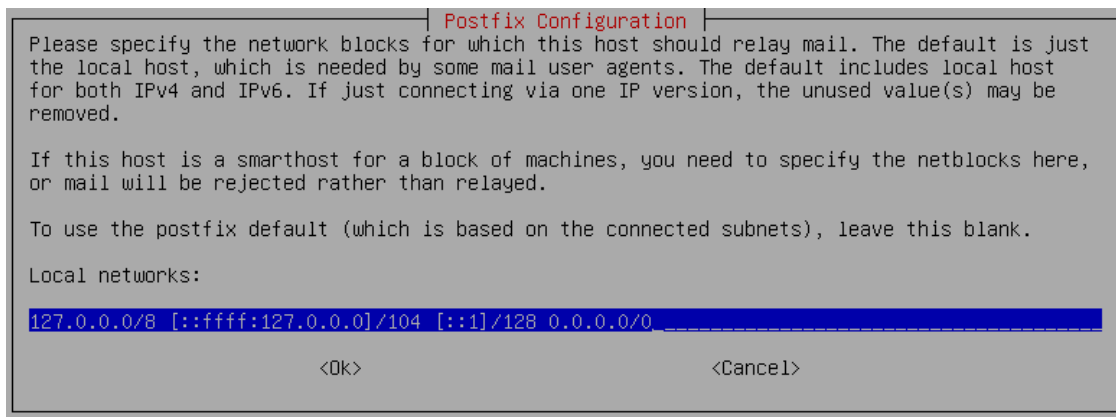
Other destinations biarkan default kemudian enter

Postfix Configuration	
<p>Please give a comma-separated list of domains for which this machine should consider itself the final destination. If this is a mail domain gateway, you probably want to include the top-level domain.</p> <p>Other destinations to accept mail for (blank for none):</p> <p>aril20.net, aril.aril20.net, localhost.aril20.net, localhost</p> <p><Ok> <Cancel></p>	

Force synchronous pilih NO kemudian tekan enter

Postfix Configuration	
<p>If synchronous updates are forced, then mail is processed more slowly. If not forced, then there is a remote chance of losing some mail if the system crashes at an inopportune time, and you are not using a journaled filesystem (such as ext3).</p> <p>Force synchronous updates on mail queue?</p> <p><Yes> <No></p>	

Pada local network isi 0.0.0.0/0



Postfix Configuration

Please specify the network blocks for which this host should relay mail. The default is just the local host, which is needed by some mail user agents. The default includes local host for both IPv4 and IPv6. If just connecting via one IP version, the unused value(s) may be removed.

If this host is a smarthost for a block of machines, you need to specify the netblocks here, or mail will be rejected rather than relayed.

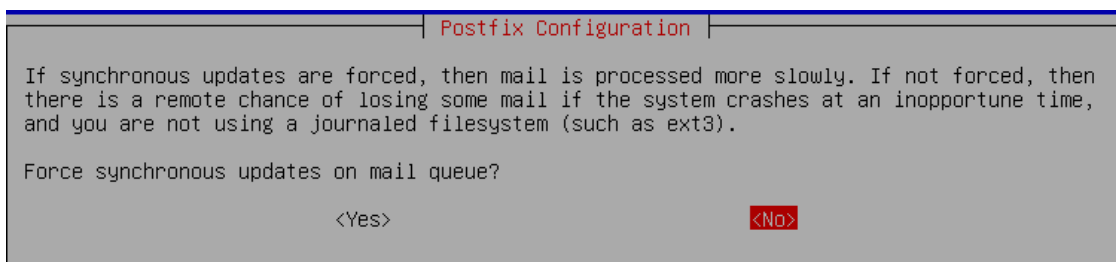
To use the postfix default (which is based on the connected subnets), leave this blank.

Local networks:

127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128 0.0.0.0/0

<Ok> <Cancel>

Pada use procmail pilih NO kemudian tekan enter



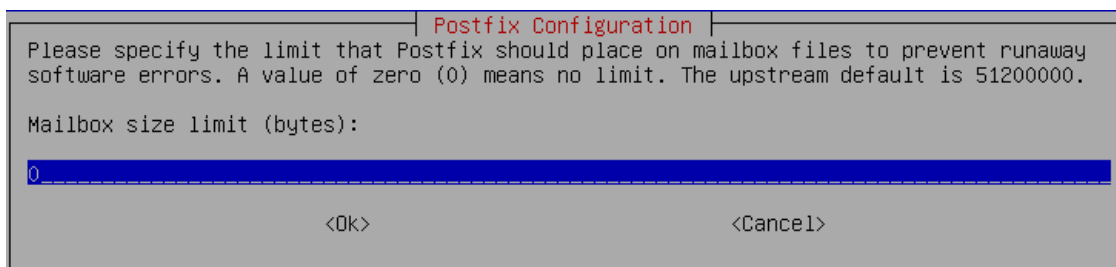
Postfix Configuration

If synchronous updates are forced, then mail is processed more slowly. If not forced, then there is a remote chance of losing some mail if the system crashes at an inopportune time, and you are not using a journaled filesystem (such as ext3).

Force synchronous updates on mail queue?

<Yes> <No>

Pada mailbox size biarkan default kemudian enter



Postfix Configuration

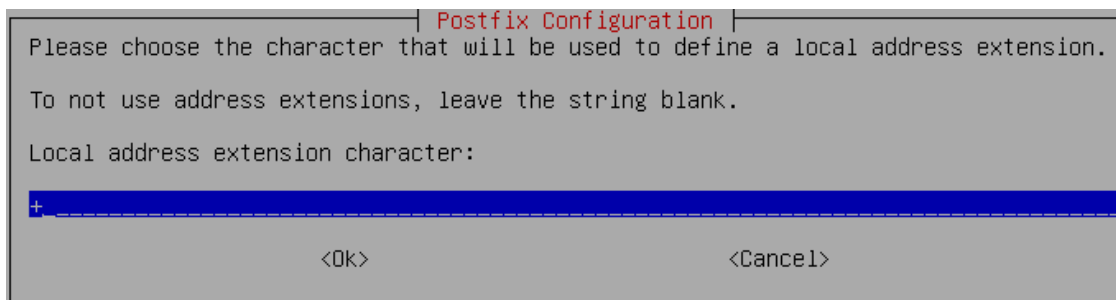
Please specify the limit that Postfix should place on mailbox files to prevent runaway software errors. A value of zero (0) means no limit. The upstream default is 51200000.

Mailbox size limit (bytes):

0

<Ok> <Cancel>

Pada local address biarkan default kemudian enter



Postfix Configuration

Please choose the character that will be used to define a local address extension.

To not use address extensions, leave the string blank.

Local address extension character:

+

<Ok> <Cancel>

Pada internet protocols pilih IPv4 kemudian enter



Restart servis apache2

Restart servis postfix

Restart servis courier-imap

Restart servis courier-pop

```
root@aril:~# /etc/init.d/apache2 restart
[ ok ] Restarting apache2 (via systemctl): apache2.service.
root@aril:~# /etc/init.d/postfix restart
[ ok ] Restarting postfix (via systemctl): postfix.service.
root@aril:~# /etc/init.d/courier-imap restart
[ ok ] Restarting courier-imap (via systemctl): courier-imap.service.
root@aril:~# /etc/init.d/courier-pop restart
[ ok ] Restarting courier-pop (via systemctl): courier-pop.service.
```

Buat user ke 1 contoh : sahreza

```
[ ok ] Restarting courier-pop
root@aril:~# adduser sahreza
```

Masukan password untuk user

```
Enter new UNIX password:
Retype new UNIX password:
```

Untuk full name sampai other biarkan kosong dengan menekan tombol enter

```
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]
```

Buat user kedua contoh : angel

```
root@aril:~# adduser angel
```

Masukan password untuk user

```
Enter new UNIX password:
Retype new UNIX password: _
```

Pengujian mengirim pesan

```
root@aril:~# telnet mail.aril20.net 25
```

Masukan user pengirim contoh sahareza

```
mail from: sahareza
```

Masukan user penerima contoh angel

```
rcpt to: angel
```

Ketikan perintah data kemudian enter untuk menulis isi pesan

```
data
```

Isi pesan

```
354 End data with <CR><LF>.<CR><LF>  
haloo gimana kabar kamu hari ini?
```

Untuk mengakhiri pesan tekan enter kemudian tekan . (titik) lalu tekan enter lagi

```
354 End data with <CR><LF>.<CR><LF>  
haloo gimana kabar kamu hari ini?  
.-
```

Masukan perintah quit untuk keluar dari menu pengiriman pesan

```
quit
```

Pengujian membuka pesan

```
root@aril:~# telnet mail.aril20.net 110
```

Masukan username penerima pesan contoh : angel

```
user angel
```

Masukan password

```
+OK Password required.  
pass 2_
```

Ketikan perintah stat untuk melihat jumlah pesan di kotak masuk

```
stat
```

Angka di tengah itu ada jumlah pesan yg masuk, kenapa di situ 2 karna sebelumnya saya telah mencoba mengirim pesan

```
+OK 2 1232
```

Ketik perintah retr spasi nomer pesan untuk membuka pesan

```
retr 2_
```

Isi dari pesan yang masuk masukan perintah quit untuk keluar dari menu

```
+OK 410 octets follow.  
Return-Path: <sahreza@aril20.net>  
<-Original-To: angel  
Delivered-To: angel@aril20.net  
Received: from unknown (unknown [192.168.1.1])  
        by aril.aril20.net (Postfix) with SMTP id D80A71FA2B  
        for <angel>; Mon, 13 Mar 2023 10:49:50 +0700 (WIB)  
Message-Id: <20230313035024.D80A71FA2B@aril.aril20.net>  
Date: Mon, 13 Mar 2023 10:49:50 +0700 (WIB)  
From: sahareza@aril20.net  
  
haloo gimana kabar kamu hari ini?
```

Pengujian WEB MAIL Server

Buka web browser ketikan

← → ↻ ⚠ Tidak aman | mail.aril20.net/src/login.php 🔑 📄 📧 ☆ 🗑 👤 ⋮

Masukan user dan password pengirim

← → ↻ ⚠ Tidak aman | mail.aril20.net/src/login.php 🔑 📄 📧 ☆ 🗑 👤 ⋮

**SquirrelMail**
webmail
for
nuts

SquirrelMail version 1.4.23 [SVN]
By the SquirrelMail Project Team

SquirrelMail Login

Name:

Password:

Klik menu compose untuk menulis pesan baru kemudian send untuk mengirim pesan

Folders
Last Refresh:
Fri, 10:59 am
(Check mail)

INBOX
Drafts
Sent
Trash

Current Folder: Sent [Sign Out](#)

[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#)

To: clara

Cc:

Bcc:

Subject: tugas

Priority: Normal Receipt: ☐ On Read ☐ On Delivery

jadi beli MacBook class

I

Sign out kemudian login kembali untuk mengganti akun



SquirrelMail
webmail
for
nuts

SquirrelMail version 1.4.23 [SVN]
By the SquirrelMail Project Team

SquirrelMail Login

Name:

Password:

Klik subject untuk membaca pesan yang masuk

Folders
Last Refresh:
Fri, 11:17 am
(Check mail)

- **INBOX** (1)
 Drafts
 Sent
 Trash

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
<input type="checkbox"/> sahreza@aril20.net	11:16 am	tugas

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

Folders
Last Refresh:
Fri, 11:17 am
(Check mail)

- **INBOX** (1)
 Drafts
 Sent
 Trash

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

[Message List](#) [Unread](#) [Delete](#) Previous | Next [Forward](#) [Forward as Attachment](#) [Reply](#) [Reply All](#)

Subject: tugas
From: sahreza@aril20.net
Date: Fri, March 10, 2023 11:16 am
To: angel@aril20.net
Priority: Normal
Options: [View Full Header](#) | [View Printable Version](#) | [Download this as a file](#)

jadi beli MacBook gelll?

Selesai.