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AKSES LAB

Informasi Akses Lab

Gunakan akun akses lab ini untuk masuk ke layanan praktikum. Password akses lab terpisah dari password LearnHub dan bisa diperbarui kapan saja dari panel ini.

Download OpenVPN Client

USERNAME OPENVPN & CML

faridridwan1815

CML URL

10.2.2.20

USERNAME VMWARE

faridridwan1815@itnsa.id

VCENTER URL

10.1.1.100

Lab Status

4/4 task PASS

Not Validated

Lab Objective

Lab Mail Service - skill39.com

1 Install & Configure package



Konfigurasi Mail Service untuk domain **skill39.com** pada **public.skill39.com**

Check apakah **public.skill39.com** bisa menemukan MX record domain **skill39.com**

```
root@public:~# host -t mx itnsa.net
itnsa.net mail is handled by 10 mail.itnsa.net.
```

Install package menggunakan perintah `apt install postfix dovecot-imapd mailutils -y`

Pilih **Internet Site**

```
No configuration
Internet Site
Internet with smarthost
Satellite system
Local only
```

Masukan domain **skill39.com**

System mail name:

skill39.com

<Ok>

2

Postfix Configuration



Buka file `/etc/postfix/main.cf` menggunakan perintah dibawah ini:

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

Lalu, tambahkan konfigurasi berikut di paling bawah:

```
smtpd_sasl_auth_enable=yes
smtpd_sasl_type=dovecot
smtpd_sasl_path=private/auth
home_mailbox = Maildir/
```

Masih pada file `/etc/postfix/main.cf`, pada baris **74** dan **75**, konfigurasi SSL Certificate serta Private key menjadi seperti berikut:

```
smtpd_tls_key_file = /opt/skill39.com.key
smtpd_tls_cert_file = /opt/skill39.com.crt
```

Aktifkan komponen submission (**Mail Submission Agent**) pada Postfix yang akan digunakan oleh client untuk melakukan proses submisi email melalui port TCP/587. Caranya, hilangkan tanda pagar pada baris **19** sampai **27** pada file `/etc/postfix/master.cf`

```
19 submission inet n      -      y      -      -      smtpd
20   -o syslog_name=postfix/submission
21   -o smtpd_forbid_unauth_pipelining=no
22   -o smtpd_tls_security_level=encrypt
23   -o smtpd_sasl_auth_enable=yes
24   -o smtpd_tls_auth_only=yes
25   -o local_header_rewrite_clients=static:all
26   -o smtpd_hide_client_session=yes
27   -o smtpd_reject_unlisted_recipient=no
```

Ketik perintah `postconf` dan pastikan tidak muncul **fatal: ...**

Setelah itu restart menggunakan perintah:

```
systemctl restart postfix
```

3

Dovecot Configuration



Buka file `/etc/dovecot/conf.d/10-master.conf`, aktifkan konfigurasi authentication yang akan digunakan dengan cara menghilangkan tanda pagar dari baris **110** hingga **112**

```
110 unix_listener /var/spool/postfix/private/auth {
111     mode = 0666
112 }
```

Buka file `/etc/dovecot/conf.d/10-auth.conf`, menuju ke baris **48** dan tambahkan konfigurasi berikut:

```
48 auth_username_format = %{user|username}
49 #auth_username_format = %{user|username|lower}
```

Buka file `/etc/dovecot/conf.d/10-ssl.conf`, lalu set SSL Certificate serta Private key menjadi seperti berikut:

```
# Preferred permissions: root:root 0444
ssl_server_cert_file = /opt/skill39.com.crt
# Preferred permissions: root:root 0400
ssl_server_key_file = /opt/skill39.com.key
```

Buka file `/etc/dovecot/conf.d/10-mail.conf`, lakukan konfigurasi berikut:

```
25 # Example:
26 mail_driver = maildir
27 mail_path = ~/Maildir
28 mail_inbox_path = ~/Maildir
29 # Pastikan mail_path dan mail_inbox_path sama
30
31 # Debian defaults
32 # Note that upstream considers mbox deprecated and strongly recommends
33 # against its use in production environments. See further information
34 # at
35 # https://doc.dovecot.org/2.4.1/core/config/mailbox/formats/mbox.html
36 #mail_driver = mbox
37 #mail_home = /home/%{user | username}
38 #mail_path = %{home}/mail
39 #mail_inbox_path = /var/mail/%{user}
```

Uncomment baris 26-28

Comment baris 36-39

Cek konfigurasi dovecot menggunakan perintah berikut. Lalu restart Postfix dan Dovecot.

```
doveconf 1> /dev/null && echo Success
systemctl restart postfix dovecot
```



Buat user **budi** dengan password **budi** menggunakan perintah `adduser budi`

```
root@public:~# adduser budi
New password:budi
Retype new password:budi
passwd: password updated successfully
Changing the user information for budi
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
root@public:~#
```

Lalu, buat `Maildir/` untuk user **budi** menggunakan perintah:

```
maildirmake.dovecot /home/budi/Maildir budi
```

Test autentikasi menggunakan perintah `doveadm auth test budi@skill39.com`

```
root@public:~# dovecadm auth test budi@skill39.com
Password:budi
passdb: budi@skill39.com auth succeeded
extra fields:
    user=budi
    original_user=budi@skill39.com
```

Test pengiriman email menggunakan perintah berikut:

```
echo "Test Budi" | mail -r "root@skill39.com" -s "Hello budi" budi@skill39.com
cat /home/budi/Maildir/new/*
```

```
root@public:~# echo "Test Budi" | mail -r "root@skill39.com" -s "Hello budi" budi@skill39.com
root@public:~# cat /home/budi/Maildir/
cur/ new/ tmp/
root@public:~# cat /home/budi/Maildir/new/*
Return-Path: <root@skill39.com>
X-Original-To: budi@skill39.com
Delivered-To: budi@skill39.com
Received: by public.skill39.com (Postfix, from userid 0)
        id 342526037D; Mon, 23 Mar 2026 23:06:06 +0700 (WIB)
Subject: Hello budi
To: <budi@skill39.com>
User-Agent: mail (GNU Mailutils 3.19)
Date: Mon, 23 Mar 2026 23:06:06 +0700
Message-Id: <20260323160606.342526037D@public.skill39.com>
From: root <root@skill39.com>

Test Budi
```

Validate Lab

Reset Lab