

Mail Server(Postfix)

Chapter 04

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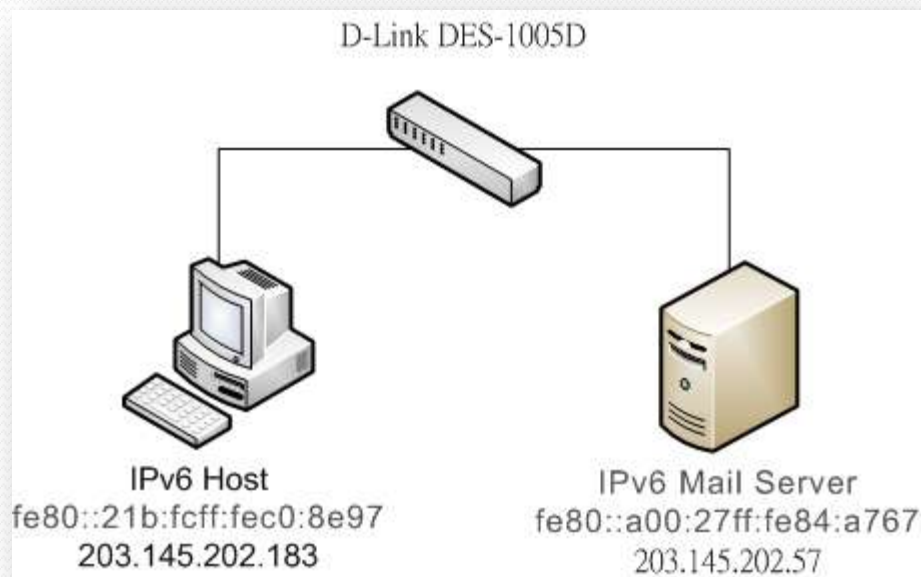
Postfix簡介

- 在 Unix-like 系統上，Sendmail 一直是個很常見的 Mail Server，不過在早期有安全性和使用門檻的問題，Postfix 就開始開發，目標是在相容 Sendmail 的條件下發展，近年來也成為一個相當廣泛使用的 Mail Server。
- 以下就以 Postfix 來示範如何建立一個支援 IPv6 的 Mail Server

系統環境

- 系統環境：
 - IPv6 Mail Server: CentOS 5.3
 - IPv6 Host: Windows XP
 - Switch : D-Link DES-1005D

- 系統架構圖：



Postfix安裝

- 在命令列使用yum安裝Postfix
 - #yum install postfix

```
[root@localhost home]# yum install postfix
```

- 安裝成功後將Sendmail移除，避免與Postfix衝突
 - #yum remove sendmail

```
[root@localhost ~]# yum remove sendmail_
```

Postfix安裝

- 完成移除之畫面

```
Transaction Summary
=====
Install      0 Package(s)
Update       0 Package(s)
Remove       2 Package(s)

Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
  Erasing      : sendmail [1/2]
warning: /var/log/mail/statistics saved as /var/log/mail/statistics.rpmsave
  Erasing      : sendmail-cf [2/2]

Removed: sendmail.i386 0:8.13.8-2.e15
Dependency Removed: sendmail-cf.i386 0:8.13.8-2.e15
Complete!
```

Postfix 設定檔

- 位置：/etc/postfix/main.cf
- 修改設定檔：
 - #vim /etc/postfix/main.cf
 - 將 `#inet_interfaces = all` 去除#符號做反註解
 - 之後將 `inet_interfaces=localhost` 做註解
 - 加入 `inet_protocols=all` 同時監聽 IPv4、IPv6
 - 設定 `relay_domains = $mydestination, $mynetworks`
 - 在 `mynetworks =` 加上 `[2001:e10:1440:ffff::148]/64`
 - 如下頁圖

Postfix 設定檔

- 設定畫面

```
# See also the proxy_interfaces parameter, for network addresses that
# are forwarded to us via a proxy or network address translator.
#
# Note: you need to stop/start Postfix when this parameter changes.
#
inet_interfaces = all
#inet_interfaces = $myhostname
#inet_interfaces = $myhostname, localhost
#inet_interfaces = localhost
inet_protocols = all
# The proxy_interfaces parameter specifies the network interface
# addresses that this mail system receives mail on by way of a
# proxy or network address translation unit. This setting extends
# the address list specified with the inet_interfaces parameter.
#
# You must specify your proxy/NAT addresses when your system is a
# backup MX host for other domains, otherwise mail delivery loops
# will happen when the primary MX host is down.
#
#proxy_interfaces =
#proxy_interfaces = 1.2.3.4

# The mydestination parameter specifies the list of domains that this
124,1 15%
```


Postfix 設定檔

- 重新啟動Postfix
- `#/etc/init.d/postfix start`

```
[root@localhost ~]# /etc/init.d/postfix start  
Starting postfix:
```

```
[ OK ]
```

Postfix 設定檔

- 安裝 dovecot 以提供 POP3 服務
- # yum install dovecot
- 編輯 dovecot.conf 設定檔
- # vim /etc/dovecot.conf

```
# Protocols we want to be serving: imap imaps pop3 pop3s
# If you only want to use dovecot-auth, you can set this to "none".
#protocols = imap imaps pop3 pop3s
protocols = pop3
```

- 將 POP3 服務寫入設定檔

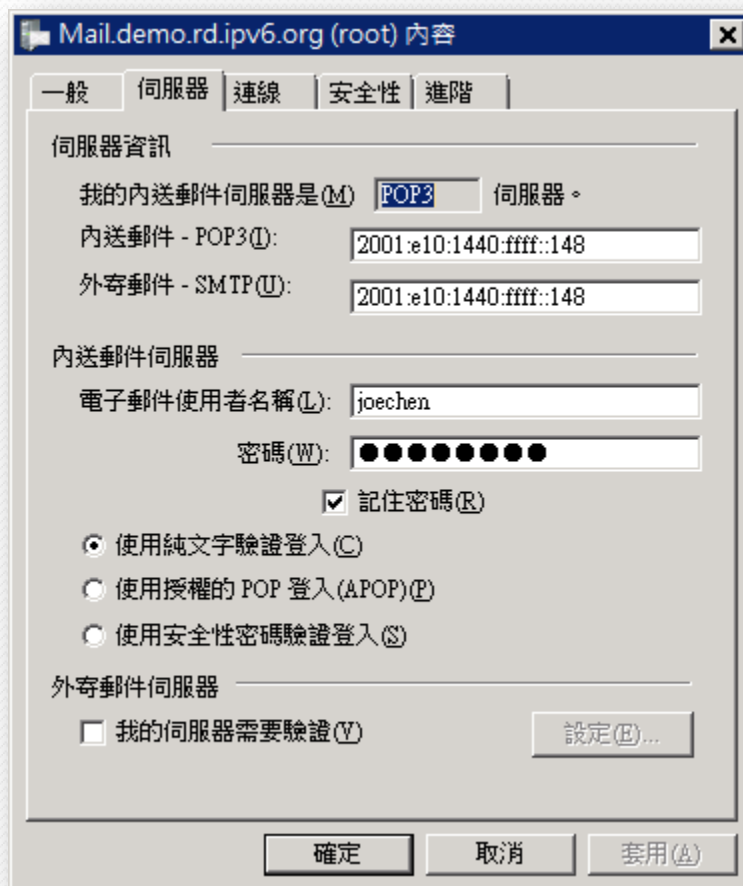
Postfix 設定檔

- 啟動 dovecot
- `#/etc/init.d/dovecot start`

```
[root@demo ~]# service dovecot start
Starting Dovecot Imap: [ OK ]
[root@demo ~]# netstat -tln | grep 110
tcp        0      0 :::110                :::*                    LISTEN
[root@demo ~]# █
```

用戶端設定

- 以 Microsoft Mail 為例



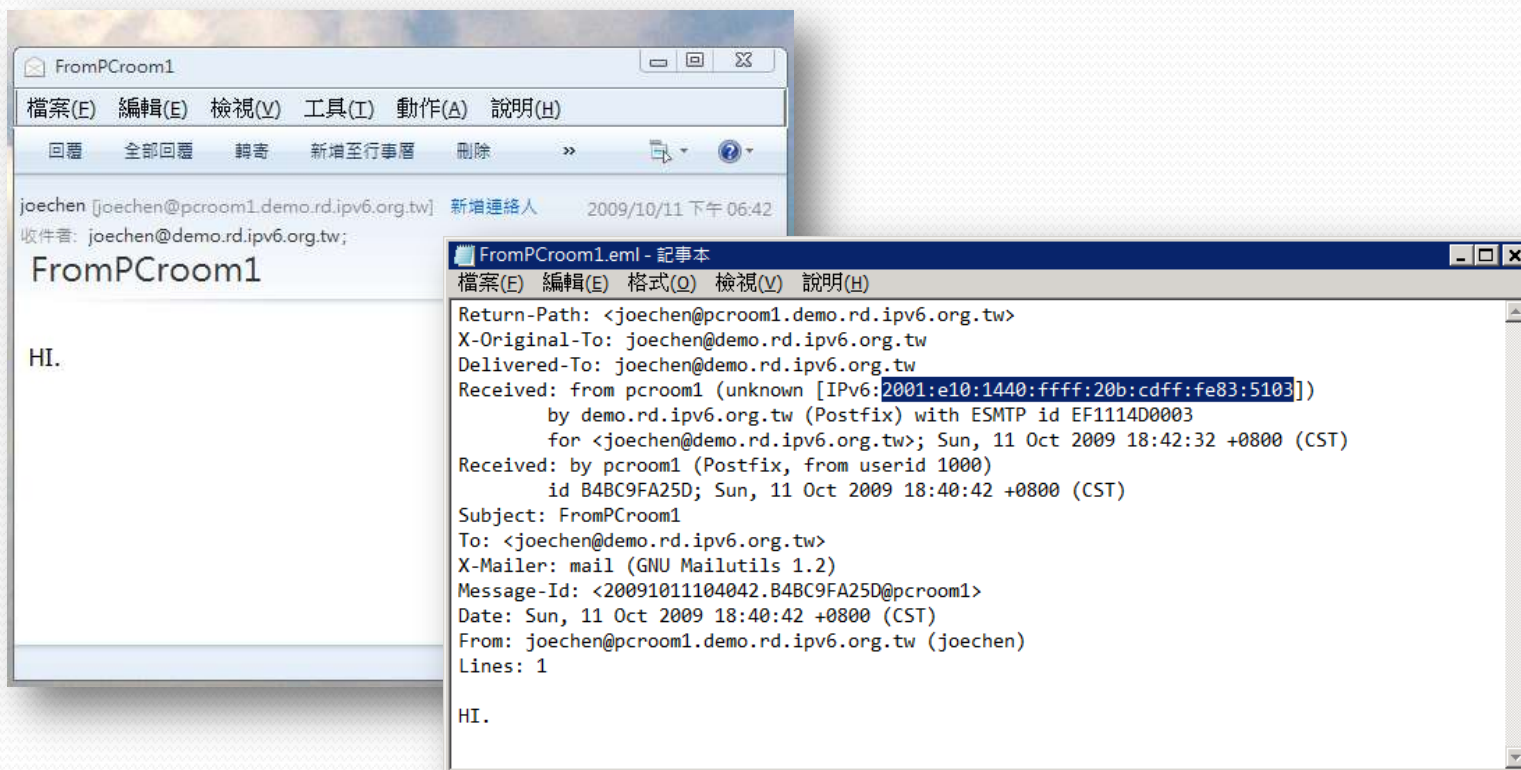
Postfix IPv6 驗證

- 利用netstat 檢查 postfix是否同時監聽 IPv4 與 IPv6
 - #netstat -antlp | grep :25
 - 可以看到已經啟動IPv4 和 IPv6的服務了

```
[root@localhost ~]# netstat -tlunp |grep :25
tcp        0      0 0.0.0.0:25          0.0.0.0:*        LISTEN
           6677/master
tcp        0      0 :::25             :::*             LISTEN
           6677/master
```

Postfix IPv6 驗證

- 使用Microsoft Mail 收信後, 以記事本軟體打開信件檔觀看標頭資訊



參考資料

- http://linux.vbird.org/linux_server/0380mail.php



END