

memo 030718

DNS(セカンダリ) /etc/named.conf

以下のゾーンを追加する

```
zone "domain2.com" {
    type slave;
    masters {192.168.2.108;};
    file "domain2.db";
};

zone "2.168.192.in-addr.arpa" IN{
    type slave;
    masters{192.168.2.108;};
    file "2.168.192.db";
};
```

メールサーバ(sendmail)

MailUserAgent	ユーザのメール送受と書き込み	pop	outlookなど
MailDelivaryAgent	メールをmailboxに振り分ける		
MailTransportAgent	メールをサーバで転送	smtp	sendmail
MailRetiernalAgent	サーバからメールを取り出す	pop/imap	

・メールのパッケージ

sendmail-8.11.6-15	本体
sendmail-cf-8.11.6-15	設定ツール
sendmail-doc-8.11.6-15	ドキュメント

・sendmail.cfの設定...M4による

①/etc/sendmail.cfをバックアップ

②/etc/mail/sendmail.mcを更新

```
[root@pc108 mail]# more sendmail.mc
divert(-1)
dnl This is the sendmail macro config file. If you make changes to this file,
dnl you need the sendmail-cf rpm installed and then have to generate a
dnl new /etc/sendmail.cf by running the following command:
dnl
dnl     m4 /etc/mail/sendmail.mc > /etc/sendmail.cf
dnl
include(`/usr/share/sendmail-cf/m4/cf.m4')
VERSIONID(` linux setup for Red Hat Linux')dnl
OSTYPE(` linux')
dnl Uncomment and edit the following line if your mail needs to be sent out
dnl through an external mail server:
dnl define(`SMART_HOST', `smtp.your.provider')
define(`confDEF_USER_ID', `8:12')dnl
undefine(`UUCP_RELAY')dnl
undefine(`BITNET_RELAY')dnl
define(`confAUTO_REBUILD')dnl
define(`confTO_CONNECT', `1m')dnl
```

...接続時間完了待ち時間

030718kuri.txt

```
define(` confTRY_NULL_MX_LIST', true)dnl
define(` confDONT_PROBE_INTERFACES', true)dnl
define(` PROCMAIL_MAILER_PATH', ` /usr/bin/procmail')dnl
define(` ALIAS_FILE', ` /etc/aliases')dnl
dnl define(` STATUS_FILE', ` /etc/mail/statistics')dnl
define(` UUCP_MAILER_MAX', ` 2000000')dnl
define(` confUSERDB_SPEC', ` /etc/mail/userdb.db')dnl
define(` confPRIVACY_FLAGS', ` authwarnings, novrfy, noexpn, restrictqrun')dnl
define(` confAUTH_OPTIONS', ` A')dnl
dnl TRUST_AUTH_MECH(` DIGEST-MD5 CRAM-MD5 LOGIN PLAIN')dnl
dnl define(` confAUTH_MECHANISMS', ` DIGEST-MD5 CRAM-MD5 LOGIN PLAIN')dnl
dnl define(` confTO_QUEUEWARN', ` 4h')dnl
dnl define(` confTO_QUEUERETURN', ` 5d')dnl
dnl define(` confQUEUE_LA', ` 12')dnl
dnl define(` confREFUSE_LA', ` 18')dnl
dnl FEATURE(delay_checks)dnl
FEATURE(` no_default_msa', ` dnl')dnl
FEATURE(` smrsh', ` /usr/sbin/smrsh')dnl
FEATURE(` mailertable', ` hash -o /etc/mail/mailertable.db')dnl
FEATURE(` virtusertable', ` hash -o /etc/mail/virtusertable.db')dnl
FEATURE(redirect)dnl
FEATURE(always_add_domain)dnl
```

...同じhost内でもドメイン名が必

要

```
FEATURE(use_cw_file)dnl
FEATURE(use_ct_file)dnl
dnl The '-t' option will retry delivery if e.g. the user runs over his quota.
FEATURE(local_procmail, `', ` procmail -t -Y -a $h -d $u')dnl
FEATURE(` access_db', ` hash -o /etc/mail/access.db')dnl
FEATURE(` blacklist_recipients')dnl
EXPOSED_USER(` root')dnl
dnl This changes sendmail to only listen on the loopback device 127.0.0.1
dnl and not on any other network devices. Comment this out if you want
dnl to accept email over the network.
DAEMON_OPTIONS(` Port=smtp,Addr=127.0.0.1, Name=MTA') ...localhost内
DAEMON_OPTIONS(` Port=smtp,Addr=192.168.2.108, Name=MTA') ...同一lan内配送に限定
dnl NOTE: binding both IPv4 and IPv6 daemon to the same port requires
dnl a kernel patch
dnl DAEMON_OPTIONS(` port=smtp,Addr>:::1, Name=MTA-v6, Family=inet6')
dnl We strongly recommend to comment this one out if you want to protect
dnl yourself from spam. However, the laptop and users on computers that do
dnl not have 24x7 DNS do need this.
FEATURE(` accept_unresolvable_domains')dnl
dnl FEATURE(` relay_based_on_MX')dnl
MAILER(smtp)dnl
MAILER(procmail)dnl
Cwlocalhost.localdomain
```

### ③変更内容をsendmail.cfに反映

```
[root@pc108 mail]# m4 /etc/mail/sendmail.mc > /etc/sendmail.cf
```

[補足]

①sendmail.mcのdnlは文頭ならコメントアウト。行末は改行を表す

• /etc/mail/ファイルの設定  
accessの設定

030718kuri.txt

```
[root@pc108 mail]# more access
# Check the /usr/share/doc/sendmail/README.cf file for a description
# of the format of this file. (search for access_db in that file)
# The /usr/share/doc/sendmail/README.cf is part of the sendmail-doc
# package.
#
# by default we allow relaying from localhost...
localhost.localdomain      RELAY
localhost                   RELAY
127.0.0.1                   RELAY
192.168.2.0                 RELAY
domain2.com                 RELAY
```

[補足]

①rejectなどを指定できる

詳細P278

#### local-host-namesの設定

```
[root@pc108 mail]# more local-host-names
# local-host-names - include all aliases for your machine here.
pc108.domain2.com
mail.domain2.com
192.168.2.108
```

#### ・DNSの設定(正引きファイル)

```
/var/named/domain2.db
$TTL 86400
@      IN      SOA      pc108.domain.com. root.pc108.domain2.com (
                                071700          ; Serial
                                3600            ; Refresh -1hr
                                300            ; Retry
                                360000         ; Expire
                                86400 )        ; Minimum
                                IN      NS
```

localhost.

```
@      IN      A       192.168.2.108      ...nameサーバ
@      IN      NS     pc108.domain2.com.  ...nameサーバ
@      IN      MX    10 pc108.domain2.com.  ...mailサーバ
```

```
pc107  IN      A       192.168.2.107
pc108  IN      A       192.168.2.108
pc109  IN      A       192.168.2.109
pc110  IN      A       192.168.2.110
```

```
www1   IN      CNAME   pc108
www2   IN      CNAME   pc110
mail   IN      CNAME   pc108
```

#### ・ipop3の設定

```
[root@pc108 mail]# more /etc/xinetd.d/ipop3
# default: off
# description: The POP3 service allows remote users to access their mail \
#               using an POP3 client such as Netscape Communicator, mutt, \
```

```
#           or fetchmail.
service pop3
{
    socket_type      = stream
    wait             = no
    user             = root
    server           = /usr/sbin/ipop3d
    log_on_success   += HOST DURATION
    log_on_failure   += HOST
    disable          = yes          ...
}
```

•service の起動

```
named          service named start
sendmail service sendmail start
ipop3          chkconfig ipop3 on
               /etc/rc.d/inet.d/xinetd.d restart
```

•メールアドレスの設定

```
useradd kuri
```

•てすと

```
sendmail -bt -C /etc/sendmail.cf
>/parse kuri@mail.domain2.com
```

•POPでの受信

```
[root@pc108 root]# telnet 192.168.2.108 110
Trying 192.168.2.108...
Connected to pc108.domain2.com (192.168.2.108).
Escape character is '^]'.
+OK POP3 pc108.domain2.com v2001.78rh server ready
USER kuri
+OK User name accepted, password please
PASS kurino
+OK Mailbox open, 0 messages
```