Dokumentasi Instalasi DNS Server, Web Server, FTP Server, Mail Server dan Proxy Server Menggunakan Operating System Ubuntu Server 18.04



Disusun oleh:

Kelompok USB

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A. Instalasi DNS Server

- 1. masuk ke root dengan perintah sudo su
- 2. update ubuntu apt update
- 3. setting ip dhcp ke ip statik nano /etc/netplan/50-cloud-init.yaml

- 4. save netplan apply
- 5. install bind apt install bind9
- **6.** konfigurasi bind
 - edit zone nano /etc/bind/named.conf.local

```
usb@usb: ∼

usb@usb: ∼

                                                                                                 X
  GNU nano 2.9.3
                                        /etc/bind/named.conf.local
   Do any local configuration here
// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";
      type master;
file "/etc/bind/db.usb.com";
zone "17.168.192.in-addr.arpa" {
      type master;
file "/etc/bind/ptr.db";
                    File '/etc/bind/named.conf.local' is unwritable
Write Out ^N Where Is ^K Cut Text ^J Justify
                                                                       <sup>^J</sup> Justify
<sup>^T</sup> To Spell
   Get Help
                                      Replace
                                                        Uncut Text
```

7. membuat informasi domain usb.com

copykan file db.local

cp /etc/bind/db.local/etc/bind/db.usb.com dan edit nano
/etc/bind/db.usb.com

• Copy dan rename file db.255 menjadi ptr.db

 $\verb|cp|/etc/bind/db.255|/etc/bind/ptr.db|$

dan edit nano /etc/bind/ptr.db

8. Service restart service bind9 restart

B. Instalasi Web Server

 Instalasi Apache2 apt install apache2 dan cek statusnya service apache2 status

- 2. install php apt-get install php libapache2-mod-php php-mysql
- 3. install mysql apt install mysql-server
- 4. Konfigurasi Apache2
 - copy dan rename file 000-default.conf cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/usb.conf
 - edit usb.conf nano /etc/apache2/sites-available/usb.conf

```
GNU nano 2.9.3 /etc/apache2/sites-available/usb.conf

*VirtualHost 192.168.17.109:80>

# The ServerName directive sets the request scheme, hostname and port t$

# the server uses to identify itself. This is used when creating

# redirection URLs. In the context of virtual hosts, the ServerName

# specifies what hostname must appear in the request's Host: header to

# match this virtual host. For the default virtual host (this file) this

# value is not decisive as it is used as a last resort host regardless.

# However, you must set it for any further virtual host explicitly.

#ServerName www.example.com

ServerName usb.com

ServerAdmin webmaster@usb.com

DocumentRoot /var/www/usb

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,

# error, crit, alert, emerg.

# It is also possible to configure the loglevel for particular

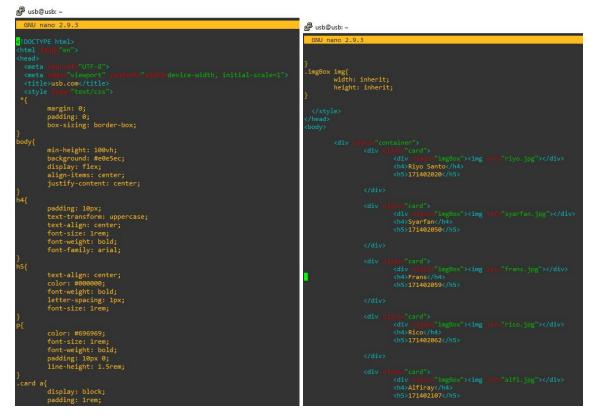
# modules, e.g.

#LogLevel info ssl:warn

Read 31 lines

**G Get Help **O Write Out **N Where Is **K Cut Text **O Justify **C Cur Pos **O Kexit **O Replace **O Uncut Text **O Justify **O Cur Pos **O Kexit **O Replace **O Uncut Text **O D Justify **O Cur Pos **O Cur
```

• edit nano /var/www/usb/index.html dan buat file html sebagai tampilan webnya



- 5. Aktifkan webserver usb.com a2ensite usb.conf
- 6. Restart apache service apache2 restart

C. Instalasi FTP Server

- 1. download vsftpd apt install vsftpd
- 2. cek status vsftpd systemctl status vsftpd

- 3. tambah user adduser usb
- 4. membuat folder mkdir /home/usb/ftp
- 5. restart vsftpd systemctl restart vsftpd

D. Instalasi Mail Server

- 1. Install Postfix Mail Server apt-get install postfix
- 2. restart postfix service postfix restart
- 3. Install Dovecot apt-get install dovecot-imapd dovecot-pop3d
- 4. restart dovecot service dovecot restart
- 5. Install SquirrelMail

```
wget https://sourceforge.net/projects/squirrelmail/files/
stable/1.4.22/squirrelmail-webmail-1.4.22.zip
```

- 6. unzip unzip squirrelmail-webmail-1.4.22.zip
- 7. pindah kan ke folder html

```
mv squirrelmail-webmail-1.4.22 /var/www/html/
```

8. pindahkan dan rename agar namanya tidak terlalu panjang

```
mv /var/www/html/squirrelmail-webmail-1.4.22/
/var/www/html/squirrelmail
```

9. konfigurasi squirrelmail

```
perl /var/www/html/squirrelmail/config/conf.pl
```

```
SquirrelMail Configuration : Read: config.php (1.4.0)

Main Menu --

1. Organization Preferences

2. Server Settings

3. Folder Defaults

4. General Options

5. Themes

6. Address Books

7. Message of the Day (MOTD)

8. Plugins

9. Database

10. Languages

D. Set pre-defined settings for specific IMAP servers

C Turn color on

S Save data

Q Quit

Command >>
```

• ketik 2 kemudian ketik 1 dan atur nama domainnya

```
SquirrelMail Configuration : Read: config.php (1.4.0)

Server Settings

General

1. Domain : usb.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 >>
```

• kembali dengan mengetikkan r dan kemudian setting nomor 1 dan 2 dengan alamat dimana kita meletakkan squirrelmail tadi



```
General Options

1. Data Directory
2. Attachment Directory
3. Directory Hash Level
4. Default Left Size
5. Usernames in Lowercase
6. Allow use of priority
7. Hide SM attributions
8. Allow use of receipts
8. Allow editing of identity
8. Allow editing of name
8. Remove username from header
9. Allow server thread sort
10. Allow server thread sort
11. Allow server charset search
12. Allow server charset search
13. Enable UID support
14. PHP session name
15. Location base
16. Only secure cookies if poss.
17. Disable secure forms
18. Page referal requirement
19. Return to Main Menu
10. Turn color on
11. Save data
12. Quit
12. Command >> 1. Command
13. Enable UID support
14. Page referal requirement
15. Save data
16. Out secure forms
17. Disable secure forms
18. Return to Main Menu
19. Command
20. Command
```

• tekan s dan ketik 11 kemudian atur dari false menjadi true

```
General Options
1. Data Directory : /var/www/usb/squirrelmail/data/
2. Attachment Directory : /var/www/usb/squirrelmail/attach/
3. Directory Hash Level : 0
4. Default Left Size : 150
5. Usernames in Lowercase : false
6. Allow use of priority : true
7. Hide SM attributions : false
8. Allow use of receipts : true
9. Allow editing of identity : true
Allow editing of name : true
Remove username from header : false
10. Allow server thread sort : false
11. Allow server charset search : true
12. Allow server charset search : true
13. Enable UID support : true
14. PHP session name : SQMSESSID
15. Location base :
16. Only secure cookies if poss. : true
17. Disable secure forms : false
18. Page referal requirement :

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

dan terakhir tekan s untuk simpan kemudian tekan q untuk keluar

10. membuat user mail

- useradd usb
- passwd usb
- mkdir -p /var/www/html/usb
- chown -R usb:usb /var/www/html/usb

E. Instalasi Proxy Server

- 1. install squid apt-get install squid
- 2. konfigurasi squid nano /etc/squid/squid.conf

```
root@usb: ~
                                                                            X
 GNU nano 2.9.3
                                  /etc/squid/squid.conf
acl SSL_ports port 443
acl Safe_ports port 80
acl Safe_ports port 21
acl Safe_ports port 443
acl Safe_ports port 70
                                 # gopher
# wais
acl Safe_ports port 210
acl Safe_ports port 1025-65535 # unregistered ports
acl Safe_ports port 280
                                # http-mgmt
                                 # gss-http
# filemaker
acl Safe_ports port 488
acl Safe_ports port 591
                                 # multiling http
acl Safe_ports port 777
acl CONNECT method CONNECT
acl sosmed dstdomain "/etc/squid/blok.txt"
acl waktul time MTWHF 08:00-12:00
acl waktu2 time MTWHF 15:00-18:00
http_access deny waktu1 sosmed
http_access deny waktu2 sosmed
 ^K Cut Text ^J Justify
                                                                      Cur Pos
```

lalu ubah kata http_access deny all menjadi http_access allow all

```
# Example rule allowing access from your local networks.
# Adapt localnet in the ACL section to list your (internal) IP networks
# from where browsing should be allowed
#http_access allow localnet
http_access allow localnet
http_access allow localnost

# And finally deny all other access to this proxy
http_access allow all

# TAG: adapted_http_access
# Allowing or Denying access based on defined access lists

# Essentially identical to http_access, but runs after redirectors
# and ICAP/eCAP adaptation. Allowing access control based on their
# output.

# If not set then only http_access is used.
#Default:

**AG Get Help **AG Write Out **Ak Where Is **AK Cut Text **J Justify **AC Cur Pos **AK Exit **AR Read File **Ak Replace **AU Uncut Text**AT To Spell **AG To Line **Y **AC Cur Pos **AK Exit **AR Read File **Ak Replace **AU Uncut Text**AT To Spell **AG To Line **Y **AC Cur Pos **AK Exit **AR Read File **Ak Replace **AU Uncut Text**AT To Spell **AG To Line **AC Cur Pos **AC Cur Po
```

3. restart squid systemctl restart squid

4. setting di proxy komputer dengan menambahkan ip address server

