

INSTALLASI DNS SERVER



We Make You Shine

Di susun oleh:

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XI - TKJ 2

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CARA KONFIGURASI DNS SERVER

1. Login terlebih dahulu di Debian kalian

```
Debian GNU/Linux 10 bimaaz tty1
bimaaz login: root
Password:
Last login: Fri Oct 27 05:26:36 EDT 2023 on tty1
Linux bimaaz 4.19.0-25-amd64 #1 SMP Debian 4.19.289-2 (2023-08-08) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
root@bimaaz:~# apt-cache search apache2
libapache2-mod-php - server-side, HTML-embedded scripting language (Apache 2 module) (default)
php7.3-fpm - server-side, HTML-embedded scripting language (FPM-FGI binary)
libapache2-mod-perl2 - Integration of perl with the Apache2 web server
libapache2-ssl-openssl - module for reloading Perl modules when changed on disk
libapache2-mod-fcgi - FastCGI interface module for Apache 2
apache2-bin - Apache HTTP Server (modules and other binary files)
libapache2-mod-dnssd - Zeroconf support for Apache 2 via avahi
apache2-data - Apache HTTP Server (common files)
apache2-utils - Apache HTTP Server (utility programs for web servers)
apache2 - Apache HTTP Server
apache2-doc - Apache HTTP Server (on-site documentation)
libapache2-mod-php7.3 - server-side, HTML-embedded scripting language (Apache 2 module)
root@bimaaz:~# _
```

2. Masukkan apt-cache search bind9

```
root@bimaaz:~# apt-cache search bind9
bind9utils - Utilities for BIND
bind9 - Internet Domain Name Server
libbind9-161 - BIND9 Shared Library used by BIND
bind9-host - DNS lookup utility (deprecated)
root@bimaaz:~# _
```

3. Setelah itu apt-cache search dnstools

```
# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug enp0s8
auto enp0s8
iface enp0s8 inet static
    address 172.16.6.1
    netmask 255.255.255.240

root@bimaaz:~# /etc/init.d/networking restart
[ OK ] Restarting networking (via systemctl): networking.service.
root@bimaaz:~# apt-cache search bind9
bind9utils - Utilities for BIND
bind9 - Internet Domain Name Server
libbind9-161 - BIND9 Shared Library used by BIND
bind9-host - DNS lookup utility (deprecated)
root@bimaaz:~# apt-cache search dnstools_
```

4. Kita ketik lagi apt-get install bind9 bind9utils dnsutils,jangan lupa masukan DVD 1 dan 2

```
# The primary network interface
allow-hotplug enp0s8
auto enp0s8
iface enp0s8 inet static
    address 172.16.6.1
    netmask 255.255.255.240

root@bimaaz:~# /etc/init.d/networking restart
[ OK ] Restarting networking (via systemctl): networking.service.
root@bimaaz:~# apt-cache search bind9
bind9utils - Utilities for BIND
bind9 - Internet Domain Name Server
libbind9-161 - BIND9 Shared Library used by BIND
bind9-host - DNS lookup utility (deprecated)
root@bimaaz:~# apt-cache search dnsutils
bind9-host - DNS lookup utility (deprecated)
dnsutils - Clients provided with BIND
root@bimaaz:~# apt-get install bind9 bind9utils dnsutils
```

5. Jika sudah masuk ke nano /etc/bind/named.conf.default-zones

```
GNU nano 3.2 /etc/bind/named.conf.default-zones Modified
// prime the server with knowledge of the root servers
zone "." {
    type hint;
    file "/usr/share/dns/root.hints";
};

// be authoritative for the localhost forward and reverse zones, and for
// broadcast zones as per RFC 1912
zone "bimaaz6.com" {
    type master;
    file "/etc/bind/db.bimaaz6";
};

zone "127.in-addr.arpa" {
    type master;
    file "/etc/bind/db.127";
};

zone "0.in-addr.arpa" {
    type master;
    file "/etc/bind/db.0";
};

zone "255.in-addr.arpa" {
    type master;
    file "/etc/bind/db.255";
};

Get Help  Write Out  Where Is  Cut Text  Justify  Cur Pos  Undo
Exit      Read File  Replace  Uncut Text  To Spell  Go To Line  Redo
```

6. Masukan perintah seperti dibawah ini

```
root@bimaaz:~# cp /etc/bind/db.127
cp: missing destination file operand after '/etc/bind/db.127'
Try 'cp --help' for more information.
root@bimaaz:~# cp /etc/bind/db.127 /etc/bind/db.192
root@bimaaz:~# cp /etc/bind/db.local /etc/bind/db.unusida
root@bimaaz:~# _
```

7. Masuk ke nano /etc/bind/db.unusida

```
GNU nano 3.2 /etc/bind/db.unusida Modified
;
; BIND data file for local loopback interface
;
$TTL 604800
IN      SOA      bima26.com. root.bima6. (
        2        ; Serial
        604800   ; Refresh
        86400    ; Retry
        2419200  ; Expire
        604800   ; Negative Cache TTL
        )
;
IN      NS       bima26.com.
IN      A        172.16.6.1
```

8. Masuk lagi ke nano /etc/bind/db.192

```
GNU nano 3.2 /etc/bind/db.192
;
; BIND reverse data file for local loopback interface
;
$TTL 604800
IN      SOA      bima6.com. root.bima6.com. (
        1        ; Serial
        604800   ; Refresh
        86400    ; Retry
        2419200  ; Expire
        604800   ; Negative Cache TTL
        )
;
IN      NS       bima6.com.
IN      PTR      bima6.com.
```

9. Jika sudah tersetting masuk ke nano /etc/resolv.conf

```
GNU nano 3.2 /etc/resolv.conf
nameserver 172.16.6.1
search bima6.com
```

10. Jika sudah kalian sv lalu restart dengan memasukan /etc/init.d/bind9 restart ,dan kita ping domain kita

```

zone "0.in-addr.arpa" {
    type master;
    file "/etc/bind/db.0";
};

zone "255.in-addr.arpa" {
    type master;
    file "/etc/bind/db.255";
};

root@bimaaz:/etc/bind# service bind9 restart
root@bimaaz:/etc/bind# ping bimaaz6.com
PING bimaaz6.com (172.16.6.1) 56(84) bytes of data:
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=1 ttl=64 time=0.029 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=2 ttl=64 time=0.127 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=3 ttl=64 time=0.079 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=4 ttl=64 time=0.078 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=5 ttl=64 time=0.078 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=6 ttl=64 time=0.080 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=7 ttl=64 time=0.077 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=8 ttl=64 time=0.079 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=9 ttl=64 time=0.093 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=10 ttl=64 time=0.132 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=11 ttl=64 time=0.074 ms
64 bytes from 172.16.6.1 (172.16.6.1): icmp_seq=12 ttl=64 time=0.076 ms
^C
--- bimaaz6.com ping statistics ---
12 packets transmitted, 12 received, 0% packet loss, time 397ms
rtt min/avg/max/mdev = 0.029/0.083/0.132/0.026 ms
root@bimaaz:/etc/bind# _

```

11. Kita ping di cmd

