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Menginstal dan mengkonfigurasi DNS

Dimulai dengan menginstal dan mengonfigurasi WSL (Windows Subsystem for Linux), lalu merestart computer. Lanjutkan dengan menginstal BIND pada wsl

```
hodakova@HODAKOVA:~$ sudo apt install bind9 bind9utils bind9-doc
[sudo] password for hodakova:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bind9-utils dns-root-data
Suggested packages:
  bind-doc resolvconf
The following NEW packages will be installed:
  bind9 bind9-doc bind9-utils bind9utils dns-root-data
0 upgraded, 5 newly installed, 0 to remove and 50 not upgraded.
Need to get 3629 kB of archives.
After this operation, 9150 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9-utils amd64 1:9.18.18-0ubuntu0.22.04.2 [161 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 dns-root-data all 2023112702~ubuntu0.22.04.1 [5136 B]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9 amd64 1:9.18.18-0ubuntu0.22.04.2 [260 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9-doc all 1:9.18.18-0ubuntu0.22.04.2 [3198 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 bind9utils all 1:9.18.18-0ubuntu0.22.04.2 [3924 B]
Fetched 3629 kB in 6s (594 kB/s)
```

Setelah itu konfigurasi BIND dengan nama file example.com

```
  GNU nano 6.2                                    example.com.db
;
; BIND data file for example.com
;
$TTL    604800
@       IN      SOA     ns.example.com. admin.example.com. (
                             2         ; Serial
                        604800         ; Refresh
                         86400         ; Retry
                       2419200         ; Expire
                        604800 )       ; Negative Cache TTL
;
@       IN      NS      ns.example.com.
@       IN      A       192.0.2.1
ns      IN      A       192.0.2.1
www     IN      A       192.0.2.2
mail    IN      A       192.0.2.3
```

Dan tambahkan zone configuration nya

```
  GNU nano 6.2                                    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";

zone "example.com" {
    type master;
    file "/etc/bind/example.com.db";
};
```

Mulai BIND dan reload

```
hodakova@HODAKOVA:/etc/bind$ sudo rndc reload
server reload successful
```

Tes DNS server

```
hodakova@HODAKOVA:~$ dig @127.0.0.1 example.com

; <<>> DiG 9.18.18-0ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 example.com
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 46794
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: ba5b7cca24f949f90100000065dbce4be30f611e43226709 (good)
;; QUESTION SECTION:
;example.com.                      IN      A

;; ANSWER SECTION:
example.com.              604800  IN      A       192.0.2.1

;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Mon Feb 26 06:33:31 +07 2024
;; MSG SIZE  rcvd: 84
```