

DNS Server Configuration

1. Install bind9

```
sudo apt-get install bind9
```

2. After installation is complete, go to /etc/bind/

```
cd /etc/bind
```

3. Make a directory, name it “zones”

```
sudo mkdir zones
```

4. Copy db.127 and db.local inside zones directory

```
sudo cp db.127 zones  
sudo cp db.local zones
```

5. Edit named.conf.options

```
sudo nano named.conf.options
```

uncomment the forwarders part and edit it.

it should look like this:

```
forwarders{  
    8.8.8.8;  
    8.8.4.4;  
}
```

save and exit.

6. Edit named.conf.local

```
sudo nano named.conf.local
```

follow this format

```
zone "nephilaweb.com.ph"{
    type master;
    file "/etc/bind/zones/db.nephilaweb.com.ph";
};
```

```
zone "0.100.10.in-addr.arpa"{
    type master;
    file "/etc/bind/zones/db.10";
};
```

7. Next, go to zones directory and rename db.127 and db.local

- cd zones
- sudo mv db.127 db.10
- sudo mv db.local db.nephilaweb.com.ph

8. Edit db.10

```
sudo nano db.10
```

```
;
; BIND reverse data file for local loopback interface
;
$TTL 604800
@          IN      SOA      ns.nephilaweb.com.ph. root.localhost. (
                                3          ; Serial
                                604800     ; Refresh
                                86400      ; Retry
                                2419200    ; Expire
                                604800 )   ; Negative Cache TTL
;
@          IN      NS       ns.
10         IN      PTR      ns.nephilaweb.com.ph.
10         IN      PTR      cle.nephilaweb.com.ph
```

NOTE: 10 is the last digit of your server ip address and don't forget to increase the number of the serial and it should be the same as the serial number in db.nephilaweb.com.ph

save and exit.

9. Edit db.nephilaweb.com.ph

```
sudo nano db.nephilaweb.com.ph
```

```
;  
; BIND data file for local loopback interface  
;  
$TTL 604800  
@ IN SOA nephilaweb.com.ph. root.localhost. (  
3 ; Serial  
604800 ; Refresh  
86400 ; Retry  
2419200 ; Expire  
604800 ) ; Negative Cache TTL  
;  
@ IN NS ns.nephilaweb.com.ph.  
@ IN A 10.100.0.10  
@ IN AAAA ::1  
  
ns IN A 10.100.0.10  
cle IN A 10.100.0.10
```

NOTE: 10.100.0.10 should be replaced by your server ip address. Don't forget to increase the number of the serial and it should be the same as the serial number in db.10

save and exit.

10. Restart bind9 to see if your setup is ok or not.

```
sudo service bind9 restart
```

if the status is [OK] and no [fail], you have successfully install bind9.

11. Additional Info.

If the status is [fail], you can check the error if you tail the syslog by doing:

```
tail /var/log/syslog
```

syslog will tell you about the error.

