

[replace groupN with your group no]

A. Install BIND:


```
sudo su
```

```
apt-get install bind9 bind9utils bind9-doc
```

All the config files are under /etc/bind folder

Few important files:

```
named.conf
```

```
named.conf.options
```

```
named.conf.default-zones
```

```
db.root
```

Check the bind/named version

```
named -V
```

With default installation BIND works as recursive DNS

server. Test it

```
dig apnic.net NS
```

```
dig +short conference.apnic.net
```

```
dig +short www.apnic.net AAAA
```

```
dig apnic.net MX
```

B. Authoritative DNS Server:


```
sudo su
```

```
cd /etc/bind/
```

```
vi named.conf.default-zones
```

add the following config:

```
zone "groupN.apnictraining.net" {
```

```
    type master;
```

```
    file "/etc/bind/
```

```
db.groupN.apnictraining.net";
};
save and exit
now create a new zone file for
groupN.apnictraining.net
vi db.groupN.apnictraining.net
add the following config
$TTL 1d
@ SOA ns.groupN.apnictraining.net.
email.groupN.apnictraining.net. (
    2017052101 ;serial no.
    30m ;refresh
    15m ;retry
    1d ;expire
    30m ;negative cache ttl
)
    IN      NS
ns.groupN.apnictraining.net.

ns      IN      A      192.168.30.N
www     IN      A      192.168.30.N
www     IN      AAAA   2001:db8:1001::N
mail01  IN      A      192.168.30.N
mail02  IN      A      192.168.30.N
groupN.apnictraining.net. IN MX 10
mail01.groupN.apnictraining.net.
groupN.apnictraining.net. IN MX 20
mail02.groupN.apnictraining.net.

groupN.apnictraining.net. IN TXT "groupN
Authoritative DNS Server"
~
```

save and exit

now restart/reload bind service

/etc/init.d/bind9 restart

test the dns

dig @localhost www.groupN.apnictraining.net

vi /etc/bind/named.conf.options

put hash :

#dnssec-validation auto;

save and quit.

now restart/reload bind service

/etc/init.d/bind9 restart

test other domain

dig @localhost www.groupN.apnictraining.net