@root.dns

vim /etc/bind/named.conf

```
 9 include "/etc/bind/named.conf.options";
10 include "/etc/bind/named.conf.local";
11 include "/etc/bind/named.conf.default-zones";
12
13
14 zone "." {
15        type master;
16        file "root.zone";
17 };
18
19 zone "dns" {
20        type master;
21        file "dns.zone";
22 };
23
24 zone "46.204.114.in-addr.arpa" {
25        type master;
26        file "dns.rev";
27 };
~
```

vim /etc/bind/named.conf.options   //forward 설정이 되어있으면 안됨.

```
20        //===============================================
21        dnssec-validation no;
22
23        auth-nxdomain no;    # conform to RFC1035
24        listen-on-v6 { any; };
25 };
26
~
```

vim /var/cache/bind/root.zone

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     root.dns. root.root.dns. (
 6                              1          ; Serial
 7                         604800         ; Refresh
 8                          86400         ; Retry
 9                        2419200         ; Expire
10                         604800 )       ; Negative Cache TTL
11 ;
12 @                    IN     NS     root.dns.
13 dns                  IN     NS     root.dns.
14 dreaminfo.biz        IN     NS     ns.dreaminfo.biz.
15 worldsign.org        IN     NS     ca.worldsign.org.
16 @                    IN     A      114.204.56.1
17 ns.dreaminfo.biz     IN     A      108.96.58.1
18 ca.worldsign.org     IN     A      95.201.100.1
19 root.dns             IN     A      114.204.56.1
~
```

vim /var/cache/bind/dns.zone

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     root.dns. root.root.dns. (
 6                               1       ; Serial
 7                          604800       ; Refresh
 8                           86400       ; Retry
 9                         2419200       ; Expire
10                          604800 )     ; Negative Cache TTL
11 ;
12 @       IN      NS      root.dns.
13 @       IN      A       114.204.56.1
14 root    IN      A       114.204.56.1
~
```

vim /var/cache/bind/dns.rev

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     root.dns. root.root.dns. (
 6                               1       ; Serial
 7                          604800       ; Refresh
 8                           86400       ; Retry
 9                         2419200       ; Expire
10                          604800 )     ; Negative Cache TTL
11 ;
12 @       IN      NS      root.dns.
13 1       IN      PTR     root.dns.
~
```

vim /etc/bind/named.

@ca.worldsign.org DNS

vim /etc/bind/named.conf.default-zones   // 주석처리

```
1 // prime the server with knowledge of the root servers
2 //zone "." {
3 //      type hint;
4 //      file "/etc/bind/db.root";
5 //};
6
```

```
 8
 9 include "/etc/bind/named.conf.options";
10 include "/etc/bind/named.conf.local";
11 include "/etc/bind/named.conf.default-zones";
12
13 zone "worldsign.org" {
14         type master;
15         file "worldsign.zone";
16         };
17
18 zone "100.201.95.in-addr.arpa" {
19         type master;
20         file "worldsign.rev";
21         };
~
```

vim /etc/bind/named.conf.options

```
12
13         // forwarders {
14         //       0.0.0.0;
15         // };
16
17         allow-transfer { none; };
18         //=============================================
19       _// If BIND logs error messages about the root k
20         // you will need to update your keys.  See http:
21         //=============================================
22         dnssec-validation no;
23
24         auth-nxdomain no;      # conform to RFC1035
25         listen-on-v6 { any; };
26 };
27
~
```

vim /var/cache/bind/worldsign.zone

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL      604800
 5 @         IN       SOA      ca.worldsign.org. root.ca.worldsign.org. (
 6                                    1             ; Serial
 7                              604800             ; Refresh
 8                               86400             ; Retry
 9                             2419200             ; Expire
10       _                     604800 )            ; Negative Cache TTL
11 ;
12 @         IN       NS       ca.worldsign.org.
13 @         IN       MX 10    mail.worldsign.org.
14 @         IN       A        95.201.100.1
15 mail      IN       A        95.201.100.1
16 ca        IN       A        95.201.100.1
17 crl       IN       CNAME    ca.worldsign.org.
~
```

vim /var/cache/bind/worldsign.rev

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     ca.worldsign.org. root.ca.worldsign.org. (
 6                                   1             ; Serial
 7                             604800             ; Refresh
 8                              86400             ; Retry
 9                            2419200             ; Expire
10                             604800 )           ; Negative Cache TTL
11 ;
12 @       IN      NS      ca.worldsign.org.
13 1       IN      PTR     ca.worldsign.org.
14 1       IN      PTR     crl.worldsign.org.
~
```

vim /etc/bind/db.root

```
17 .                        3600000  IN  NS    root.dns
18 root.dns.                3600000      IN    A      114.204.56.1
```

@ns.dreaminfo.biz

vim /etc/bind/named.conf

```
 9 include "/etc/bind/named.conf.options";
10 include "/etc/bind/named.conf.local";
11 //include "/etc/bind/named.conf.default-zones";
12
13
14 view in {
15         match-clients { 192.168.0.0/16; 172.16.0.0/24; 10.0.0.0/30; 10.8.0.0/24; };
16 _
17 zone "dreaminfo.biz" {
18         type master;
19         file "dreaminfo.int.zone";
20         };
21
22 zone "0.16.172.in-addr.arpa" {
23         type master;
24         file "dreaminfo.int.rev1";
25         };
26
27 zone "0.168.192.in-addr.arpa" {
28         type master;
29         file "dreaminfo.int.rev2";
30         };
31
32 zone "." {
33         type hint;
34         file "/etc/bind/db.root";
35         };
36 };
37
```

```
38 view ex {
39          match-clients { any; };
40
41 zone "dreaminfo.biz" {
42          type master;
43          file "dreaminfo.ext.zone";
44          };
45 zone "58.96.108.in-addr.arpa" {
46          type master;
47          file "dreaminfo.ext.rev";
48          };
49 };
```

vim /etc/bind/named.conf.options

// 10.8.0.0/24 는 Openvpn 대역

```
12
13          // forwarders {
14          //       0.0.0.0;
15          // };
16
17          allow-transfer { none; };
18          allow-recursion { 192.168.0.0/24; 192.168.1.0/24; 172.16.0.0/24; 10.0.0.0/30; 10.8.0.0/2
  4; };
19          allow-update { 192.168.1.0/24; 192.168.0.0/24; 172.16.0.0/24; };
20
21          //========================================================================
22          // If BIND logs error messages about the root key being expired,
23          // you will need to update your keys.  See https://www.isc.org/bind-keys
24          //========================================================================
25          dnssec-validation no;
26
27          auth-nxdomain no;    # conform to RFC1035
28          listen-on-v6 { any; };
29 };
30
```

vim /etc/bind/db.root

```
17 .                          3600000  IN  NS    root.dns
18 root.dns.                  360000        IN    A       114.204.56.1
```

vim /var/cache/bind/dreaminfo.int.rev1

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     ns.dreaminfo.biz. root.ns.dreaminfo.biz. (
 6                                 1               ; Serial
 7                             604800              ; Refresh
 8                              86400              ; Retry
 9                            2419200              ; Expire
10                             604800 )            ; Negative Cache TTL
11 ;
12 @       IN      NS      ns.dreaminfo.biz.
13 1       IN      PTR     ns.dreaminfo.biz.
14 2       IN      PTR     file.dreaminfo.biz.
15 254     IN      PTR     hq.dreaminfo.biz.
16 2       IN      PTR     mail.dreaminfo.biz.
~
~
```

vim /var/cache/bind/dreaminfo.int.rev2

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL    604800
 5 @       IN      SOA     ns.dreaminfo.biz. root.ns.dreaminfo.biz. (
 6                                 1               ; Serial
 7                             604800              ; Refresh
 8                              86400              ; Retry
 9                            2419200              ; Expire
10                             604800 )            ; Negative Cache TTL
11 ;
12 @       IN      NS      ns.dreaminfo.biz.
13 254     IN      PTR     branch.dreaminfo.biz.
~
```

vim /var/cache/bind/dreaminfo.int.zone

```
 1 ;
 2 ; BIND reverse data file for broadcast zone
 3 ;
 4 $TTL     604800
 5 @        IN      SOA      ns.dreaminfo.biz. root.ns.dreaminfo.biz. (
 6         _                          1       ; Serial
 7                               604800        ; Refresh
 8                                86400        ; Retry
 9                              2419200        ; Expire
10                               604800 )      ; Negative Cache TTL
11 ;
12 @        IN      NS       ns.dreaminfo.biz.
13 @        IN      A        172.16.0.1
14 @        IN      MX 10    mail.dreaminfo.biz.
15 ns       IN      A        172.16.0.1
16 file     IN      A        172.16.0.2
17 hq       IN      A        192.168.0.254
18 branch   IN      A        192.168.1.254
19 mail     IN      A        172.16.0.2
20 www      IN      CNAME    ns.dreaminfo.biz.
21 crl      IN      CNAME    ns.dreaminfo.biz.
22 vpn      IN      CNAME    hq.dreaminfo.biz.
~
~
```