

1. В директории /var/named/ создаем файлы зон.

1.1 Файл db.hq.work создадим командой `nano /var/named/db.hq.work` и внесём информацию:

\$TTL 604800

```
@           IN SOA  hq.work. root.hq.work. (
                                0       ; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
                                3H )    ; minimum

@           NS       hq.work.
@           A        192.168.10.2
hq-r        A        192.168.10.1
www         A        192.168.10.2
hq-srv      A        192.168.0.2
```

1.2 Файл db.hq.work.recivers создадим командой `nano /var/named/db.hq.work.recivers`

\$TTL 1D

```
@           IN SOA  hq.work. root.hq.work. (
                                0       ; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
                                3H )    ; minimum

@           NS       hq.work.
@           A        192.168.10.2
            PTR      hq.work.
2           PTR      hq-srv.
1           PTR      hq-r.
```

1.3 Файл db.hq.work.recivers создадим командой `nano /var/named/db.branch.work.recivers`

\$TTL 1D

```
@           IN SOA  branch.work. root.branch.work. (
                                0; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
                                3H )    ; minimum

@           NS       branch.work.
@           A        178.16.10.5
            PTR      branch.work.
1           PTR      br-r.
```

1.4 Файл db.hq.work создадим командой `nano /var/named/db.branch.work`

\$TTL 604800

```
@           IN SOA  branch.work. root.branch.work. (
                                0; serial
                                1D      ; refresh
                                1H      ; retry
                                1W      ; expire
```

```
3H ) ; minimum
@      NS  branch.work.
@      A   178.16.10.5
br-r   A   178.16.10.1
br-srv A   178.16.10.5
```

2. Даем права на файлы командой

```
chmod 644 /var/named/*
```

3. Редактируем файл **named.conf** командой **nano /etc/named.conf**

```
options {
    listen-on port 53 { any; };
    listen-on-v6 port 53 { any; };
    directory "/var/named";
    dump-file "/var/named/data/cache_dump.db";
    statistics-file "/var/named/data/named_stats.txt";
    memstatistics-file "/var/named/data/named_mem_stats.txt";
    secroots-file "/var/named/data/named.secroots";
    recursing-file "/var/named/data/named.recursing";
    allow-query { any; };

    recursion yes;
    dnssec-validation yes;
    managed-keys-directory "/var/named/dynamic";
    geoip-directory "/usr/share/GeoIP";
    pid-file "/run/named/named.pid";
    session-keyfile "/run/named/session.key";

    include "/etc/crypto-policies/back-ends/bind.config";

    logging {
        channel default_debug {
            file "data/named.run";
            severity dynamic;
        };
    };

    zone "." IN {
        type hint;
        file "named.ca";
    };

    zone "hq.work" IN {
        type primary;
        file "/var/named/db.hq.work";
        allow-update { none; };
    };

    zone "branch.work" IN {
```

```
type primary;
file "/var/named/db.branch.work";
allow-update { none; };
};
```

```
zone "10.168.192.in-addr.arpa" IN {
type primary;
file "/var/named/db.hq.work.recivers";
allow-update { none; };
};
```

```
/*include "/etc/named.rfc1912.zones";
include "/etc/named.root.key";*/
```

```
zone "10.16.178.in-addr.arpa" IN {
type primary;
file "/var/named/db.branch.work.recivers";
allow-update { none; };
};
```

4. Проверяем командой

```
nslookup hq.work
```

```
nslookup branch.work
```

```
nslookup 192.168.10.2
```

```
nslookup 178.16.10.2
```

```
[user1@BR-SRV ~]$ nslookup hq.work
```

```
Server:      192.168.10.2
```

```
Address:     192.168.10.2#53
```

```
Name:   hq.work
```

```
Address: 192.168.10.2
```

```
[user1@BR-SRV ~]$ nslookup branch.work
```

```
Server:      192.168.10.2
```

```
Address:     192.168.10.2#53
```

```
Name:   branch.work
```

```
Address: 178.16.10.5
```

```
[user1@BR-SRV ~]$ nslookup br-r.branch.work
```

```
Server:      192.168.10.2
```

```
Address:     192.168.10.2#53
```

```
Name:   br-r.branch.work
```

```
Address: 178.16.10.1
```

```
[user1@BR-SRV ~]$ |
```