

named

/etc/named.conf

```
options {
    listen-on port 53 { any; };
    listen-on-v6 { none; };
    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";
    allow-query    { any; };
    allow-transfer { localhost; 10.1.1.0/24; };

    recursion yes;

    dnssec-enable yes;
    dnssec-validation yes;
    dnssec-lookaside auto;

    /* Path to ISC DLV key */
    bindkeys-file "/etc/named.iscdlv.key";

    managed-keys-directory "/var/named/dynamic";

    pid-file "/run/named/named.pid";
    session-keyfile "/run/named/session.key";
    forwarders {
        10.1.1.10;
        8.8.8.8;
    };
};

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

```
};

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

include "/etc/named/ddns.key";
include "/etc/named.root.key";
include "/etc/named.rfc1912.zones";

zone "myhypervisor.ca" IN {
    type master;
    file "forward.ldap";
    allow-update { key rndc-key; };
    notify yes;
};

zone "1.1.10.in-addr.arpa" IN {
    type master;
    file "reverse.ldap";
    allow-update { key rndc-key; };
    notify yes;
};

zone "kvm.myhypervisor.ca" IN {
    type master;
    file "kvm.myhypervisor.ldap";
    allow-update { none; };
};
```

/var/named/forward.ldap

```
$TTL 86400
@ IN SOA     ldap1.myhypervisor.ca. root.myhypervisor.ca. (
    2011072001 ;Serial
    3600       ;Refresh
    1800       ;Retry
    604800     ;Expire
```

```

      86400      ;Minimum TTL
)
      IN      NS      ldap1.myhypervisor.ca.
      IN      NS      ldap2.myhypervisor.ca.
      IN      A      10.1.1.13
      IN      A      10.1.1.14
ldap1      IN      A      10.1.1.13
ldap2      IN      A      10.1.1.14
lb1      IN      A      10.1.1.10
kvm      IN      A      198.27.81.224
spacewalk      IN      A      10.1.1.11
nginx      IN      A      149.56.9.83
vpn      IN      A      149.56.9.85

```

/var/named/reverse.ldap

```

$ORIGIN .
$TTL 86400      ; 1 day
1.1.10.in-addr.arpa      IN SOA      ldap1.myhypervisor.ca. root.myhypervisor.ca. (
        2011071030 ; serial
        3600      ; refresh (1 hour)
        1800      ; retry (30 minutes)
        604800    ; expire (1 week)
        86400     ; minimum (1 day)
)
      NS      ldap1.myhypervisor.ca.
      NS      ldap2.myhypervisor.ca.
13      PTR      ldap1.myhypervisor.ca.
14      PTR      ldap2.myhypervisor.ca.

```

adding a zone (named.d)

```

zone "example.ca" IN {
type master;
file "example.ldap";
allow-update { none; };
};

```

zone example

```
$TTL 86400
@      IN      SOA      ldap1.myhypervisor.ca.    root.myhypervisor.ca. (
                                2007962501 ; serial
                                21600      ; refresh after 6 hours
                                3600       ; retry after 1 hour
                                604800    ; expire after 1 week
                                86400     ) ; minimum TTL of 1 day

; name servers - NS records
      IN      NS       ldap1.myhypervisor.ca.
      IN      NS       ldap2.myhypervisor.ca.

; name servers - A records
ldap1.myhypervisor.ca.      IN      A       10.1.1.13
ldap2.myhypervisor.ca.      IN      A       10.1.1.14

@      IN      A       10.1.1.118
```

ddns.key

```
key rndc-key {
  algorithm HMAC-MD5.SIG-ALG.REG.INT;
  secret "z2qaFrjz5yE1pfyirfpWtQ==";
};
```

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