Install Server DNS

1 = root@server:~# apt install bind9 bind9-doc dnsutils

2 = Script named.conf.local

```
//
// Do any local configuration here
//

zone "home.lan" {
    type master;
    file "/etc/bind/db.home.lan";
};

zone "1.168.192.in-addr.arpa" {
    type master;
    file "/etc/bind/db.1.168.192";
};

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";
```

###
####

3 = Script db.home.lan

;

```
; BIND zone file for home.lan
;

$TTL    3D
@     IN    SOA    @            root.home.lan. (
              2017061201     ; serial
              8H            ; refresh
              2H            ; retry
              4W             ; expire
              1D )           ; minimum
;
@           NS    ns          ; Inet address of name server
@           MX    10 mail      ; Primary mail exchanger

ns          A     192.168.1.100
mail        A     192.168.1.100

home.lan.   A     192.168.1.100
server      A     192.168.1.100

virtual     A     192.168.1.101

router      A     192.168.1.1    ; router ADSL
gateway        CNAME  router
gw          CNAME  router

OPTIONS

// [...]
```

```
proxy       CNAME   server
www          CNAME   server
ftp          CNAME   server
// [...]
```

4 = root@server:~# named-checkzone home.lan /etc/bind/db.home.lan

zone home.lan/IN: loaded serial 2017061201

OK

##

5 = Script Reverse db.1.168.192


```
;
; BIND zone file for 192.168.1.xxx
;

$TTL   3H
@    IN   SOA   @          root.home.lan. (
            2017061201    ; serial
            8H           ; refresh
            2H           ; retry
            4W            ; expire
            1D )          ; minimum
;
@          NS   ns.home.lan.   ; Nameserver address


100         PTR   server.home.lan.
```

100	PTR	ns.home.lan.
100	PTR	mail.home.lan.
101	PTR	virtual.home.lan.
1	PTR	router.home.lan.

6 = root@server:~# named-checkzone 1.168.192.in-addr.arpa /etc/bind/db.1.168.192

zone 1.168.192.in-addr.arpa/IN: loaded serial 2017061201

OK

###

7 = root@server:~# named-checkconf -z

zone home.lan/IN: loaded serial 2017061201

zone 1.168.192.in-addr.arpa/IN: loaded serial 2017061201

zone localhost/IN: loaded serial 2

zone 127.in-addr.arpa/IN: loaded serial 1

zone 0.in-addr.arpa/IN: loaded serial 1

zone 255.in-addr.arpa/IN: loaded serial 1

8 = root@server:~# systemctl restart bind9

9 = Verificação

root@server:~# nslookup server

Server: 127.0.0.1

Address: 127.0.0.1#53

Name: server.home.lan

Address: 192.168.1.100

```
==============================
```

root@server:~# nslookup gateway

Server: 127.0.0.1

Address: 127.0.0.1#53

gateway.home.lan   canonical name = router.home.lan.

Name: router.home.lan

Address: 192.168.1.1


```
==============================
```

root@server:~# nslookup 192.168.1.101

Server: 127.0.0.1

Address: 127.0.0.1#53

101.1.168.192.in-addr.arpa   name = virtual.home.lan.


```
################################################################
```