

Install BIND9 on Ubuntu 14.04

Note: While I figured this out after a LOT of trial and error, I ultimately don't need it @ home and use [DNSMasq now for DHCP and DNS](#) in the same config file and LOVE it. If you use bind, you will probably want to check out ISC-DHCP-SERVER

INSTALL BIND SCRIPT

FIND AND REPLACE THE FOLLOWING:

```
/etc/hostname = [DNS_SERVER_NAME]
/etc/hosts    = [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local  [DNS_SERVER_NAME]
DNS Server IP = [DNS_SERVER_IP]/24
TEST HOST    = [EXAMPLE_HOSTNAME]
TEST HOST IP = [EXAMPLE_IP]
```

Prep Server

```
sudo nano /etc/hostname && sudo nano /etc/hosts && sudo nano /etc/network/interfaces && sudo reboot
```

Install and Configure Bind9

```
sudo apt-get update && echo y | sudo apt-get install bind9 bind9utils bind9-doc && sudo nano /etc/bind/named.conf.options && sudo nano /etc/bind/named.conf.local && sudo nano /etc/bind/forward.[DNS_SERVER_DOMAIN] && sudo nano /etc/bind/reverse.[DNS_SERVER_DOMAIN] && sudo chmod -R 755 /etc/bind && sudo chown -R bind:bind /etc/bind && sudo service bind9 restart
```

%/etc/bind/named.conf.options

```
options {
    directory "/var/cache/bind";
    forwarders {
        8.8.8.8;
        8.8.4.4;
    };
}

%/etc/bind/named.conf.local
zone "[DNS_SERVER_DOMAIN].local" {
    type master;
    file "/etc/bind/forward.[DNS_SERVER_DOMAIN]";
};
zone "1.168.192.in-addr.arpa" {
    type master;
    file "/etc/bind/reverse.[DNS_SERVER_DOMAIN]";
};
```

%/etc/bind/forward.[DNS_SERVER_DOMAIN]

```
$TTL 86400
@ IN SOA [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local. root.[DNS_SERVER_DOMAIN].local. (
    2011071001 ;Serial
    3600      ;Refresh
    1800     ;Retry
    604800   ;Expire
    86400    ;Minimum TTL
)
@ IN NS [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local.
@ IN A [DNS_SERVER_IP]
@ IN A [EXAMPLE_IP]
[DNS_SERVER_NAME] IN A [DNS_SERVER_IP]
[EXAMPLE_HOSTNAME] IN A [EXAMPLE_IP]
```

%/etc/bind/reverse.[DNS_SERVER_DOMAIN]

```
$TTL 86400
@   IN  SOA      [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local. root.[DNS_SERVER_DOMAIN].local. (
        2011071002 ;Serial
        3600       ;Refresh
        1800       ;Retry
        604800    ;Expire
        86400     ;Minimum TTL
)
@   IN  NS       [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local.
@   IN  PTR      [DNS_SERVER_DOMAIN].local.
[DNS_SERVER_NAME] IN  A   [DNS_SERVER_IP]
[EXAMPLE_HOSTNAME] IN  A   [EXAMPLE_IP]
101 IN  PTR      [DNS_SERVER_NAME].[DNS_SERVER_DOMAIN].local.
103 IN  PTR      [EXAMPLE_HOSTNAME].[DNS_SERVER_DOMAIN].local.
```

TESTING!

The following should return nothing!

```
sudo named-checkzone [DNS_SERVER_DOMAIN].local /etc/bind/forward.[DNS_SERVER_DOMAIN]
sudo named-checkzone [DNS_SERVER_DOMAIN].local /etc/bind/reverse.[DNS_SERVER_DOMAIN]
```

And you should be able to PING

```
ping [EXAMPLE_HOSTNAME].[DNS_SERVER_DOMAIN].local
```