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SERVER
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1. update the package list

+  sudo apt update

2. Install bind9 in your server

+ sudo apt install bind9

3. Install bind9-dnsutils (to run nslookup)

+ sudo apt install bind9-dnsutils

4. OPTIONAL (if you want the documentation then install bind9-doc)
+ sudo apt install bind9-doc

[[[[[ sudo apt update && sudo apt install bind9 bind9-dnsutils bind9-doc
 ]]]]

5. modify /etc/resolv.conf [ Linux -> DNS settings for name resolution ]

nameserver SERVER_IP
ex.
        nameserver 192.168.25.100
        nameserver 192.168.0.1

6. When we restart networking (resolv.conf changes automatically). so we want to make it immutable

+ sudo chattr +i /etc/resolv.conf

(in case if you want to remove the attribute - chattr -i /etc/resolv.conf)

==================SERVER -> DNS QUERY ->???? ===============

#FORWARD ZONE (Forward lookup)
localhost -> 127.0.0.1

#Reverse Zone  (Reverse Lookup)
127.0.0.1 -> localhost


================================Configuration=====================
/etc/bind/db.local - forward zone
/etc/bind/db.127        -Reverse Zone
/etc/named.conf.local   -> zones create (forward as well as reverse)

==========================Configuration Check===================
named-checkconf     [Check Configuration File]
named-checkzone ZONENAME FILE [Check Zone files] Forward as well as reverse

========================Verify=================
nslookup
Check for forward and reverse lookup
===============================================

apt install apache2 curl -y

index.html -> welcome to cdac

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================================Configuration [ cdac.local ]=====================
/etc/bind/db.cdac - forward zone
/etc/bind/db.reverse    -Reverse Zone
/etc/named.conf.local   -> zones create (forward as well as reverse)

==========================Configuration Check===================
named-checkconf     [Check Configuration File]
named-checkzone ZONENAME FILE [Check Zone files] Forward as well as reverse
```

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======================Verify=================
nslookup
Check for forward and reverse lookup
============================================

apt install apache2 curl -y

index.html -> welcome to cdac

curl cdac.local
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_____CLIENT VERIFICATION_____

sudo apt install bind9-dnsutils curl

nslookup
ping
curl
```