

How to configure DNS Server on Ubuntu Server 11.04

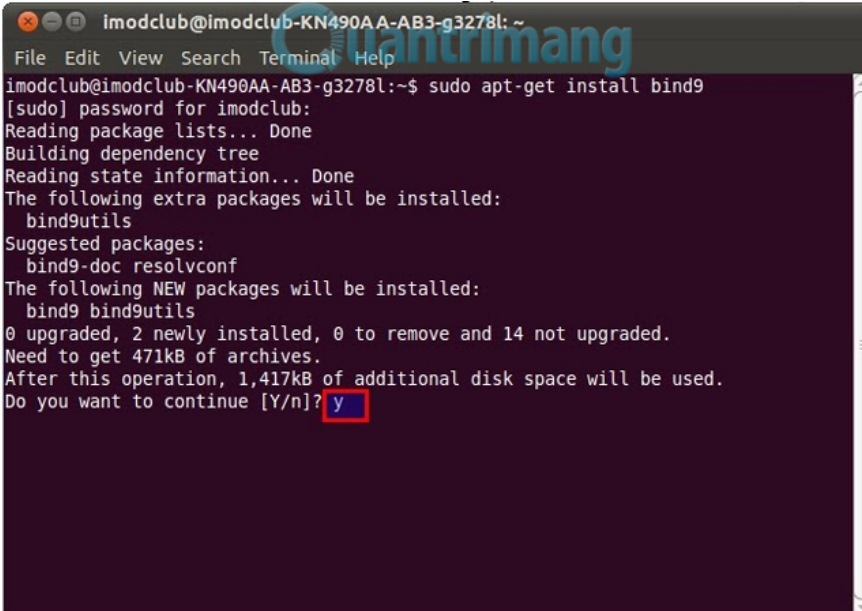
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1. Install

After setting a static IP address for the server to take the DNS Server role, you perform the following commands to install the BIND9 package (using the DNS service configuration on Linux):

```
# sudo -i
# apt-get update
# apt-get install bind9
```

A terminal window screenshot showing the installation of bind9. The prompt is imodclub@imodclub-KN490AA-AB3-g3278l:~. The command executed is sudo apt-get install bind9. The output shows the package lists being read, the dependency tree being built, and the state information being read. It lists extra packages (bind9utils) and suggested packages (bind9-doc, resolvconf). It also shows the disk space requirements: 471kB of archives and 1,417kB of additional disk space. The prompt asks "Do you want to continue [Y/n]?" and the user has entered 'y'.

After the installation is successful, you get the main directory, / etc / bind . In this directory, you will configure the following files:

```
/etc/bind/named.conf.local
/etc/bind/db.local
```

DNS database file (eg */etc/bind/db.hoanghac.org*)

2. Configuration

First, open the file **/etc/bind/named.conf.local** and add a new zone, such as *hoanghac.org* :

```
zone "hoanghac.org" {
type master;
file "/etc/bind/db.hoanghac.org";
};
```

Next, create the DNS database file **/etc/bind/db.hoanghac.org** by copying the content from the sample file **/etc/bind/db.local** :

```
# cp /etc/bind/db.local /etc/bind/db.hoanghac.org
```

At this point, edit the file **/etc/bind/db.hoanghac.org** by replacing localhost. equal to the full name of the DNS server (FQDN). Replace *127.0.0.1* with the IP address of DNS Server and root.localhost to an exact email address, but use the "." instead of the "@" symbol, you also create a record (A) corresponding to *ns.hoanghac.org* . The contents of the file will look like this:

```
;
; BIND d? li?u t?p tin cho ??a ch? loopback interface
;
$ TTL 604800
@ IN SOA ns.hoanghac.org. root.hoanghac.org. (
2 ; Serial
604800; Refresh
86400; Retry
2419200; Expire
604800); Negative Cache TTL
;
@ IN NS ns.hoanghac.org.
@ IN A 192.168.1.10
@ IN AAAA :: 1
ns IN A 192.168.1.10
```

Next, restart the BIND9 service for the configuration operations to take effect:

```
# /etc/init.d/bind9 restart
```

3. Check

To check the performance of the DNS Server, use the ping command as follows:

ping ns.hoanghac.org

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