

How to install and configure Bind DNS on Webmin

1. What is Webmin. Introduction

Webmin is a web-based control panel for any Linux machine which lets you manage your server through a modern web-based interface. Using any browser you can setup user accounts, Apache, DNS, file sharing and so on.

Webmin updates system files like /etc/inetd.conf, /etc/passwd, /etc/bind/named.conf.local

Before start working with webmin we have some things to do.

Previous steps (Server VM)

1. Uninstall bind9 and its dependencies(from now on we will use bind module of webmin.)

```
sudo apt-get remove --auto-remove bind
```

2. Add webmin repository.

Add the Webmin repository, we do this by adding the repository to the /etc/apt/sources.list file. Open the file and add this line to the bottom of the file to add the new repository:

```
deb http://download.webmin.com/download/repository sarge contrib
```

3. Next, add the Webmin PGP key so that your system will trust the new repository:

```
wget http://www.webmin.com/jcameron-key.asc  
sudo apt-key add jcameron-key.asc
```

4. Next, update the list of packages to include the Webmin repository:

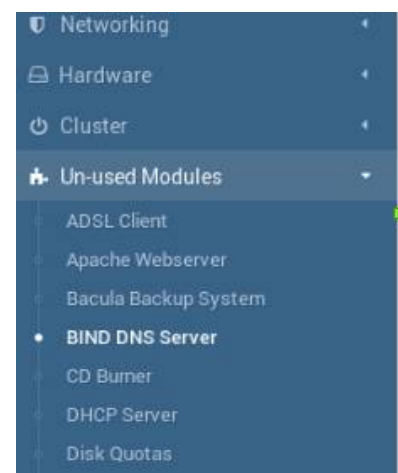
```
sudo apt update
```

5. Then install Webmin:

- sudo apt install webmin
- After that you will get webmin when you login to https://your-ip:10000/

6. Install Bind9 Module:

- Select Bind from Unused modules and then press Click here button to install
-



Once the 'to install file list' appears select Install now

Building complete list of packages ..

Are you sure you wish to install the 4 packages listed below? This may include dependencies of packages that you selected.

[Install Now](#)

Package	Current version	New version	Description
python3-ply	None	3.11-3	
bind9utils	None	9.11.5.P1+dfsg-1ubuntu2.5	
net-tools	None	1.60+git20180626.aebd88e-1ubuntu1	
bind9	None	9.11.5.P1+dfsg-1ubuntu2.5	

Select Refresh Modules and check in Servers Section that BIND DNS appear on it.

Webmin Dashboard

Search

- Webmin
- System
- Servers
 - BIND DNS Server**
 - Read User Mail
- Others
- Networking
- Hardware
- Cluster

BIND DNS Server
BIND version 9.11

Global Server Options

- Other DNS Servers
- Logging and Errors
- Access Control Lists
- Files and Directories
- Forwarding and Transfers
- Addresses and Topology
- Miscellaneous Options
- Control Interface Options
- DNS Keys
- Zone Defaults
- Cluster Slave Servers
- Setup RND
- DNSSEC Verification
- DNSSEC Key Re-Signing
- Check BIND Config
- Edit Config File

2. Managing Zones

Now, we will create a master zone. Click on '+ Create Master Zone' and complete de Domain Name (myzone.com), Master Server (server-pc.myzone.com) and Email address (youremail@myzone.com).

Create Master Zone

New master zone options

Zone type: ☒ Forward (Names to Addresses) ☐ Reverse (Addresses to Names)

Domain name / Network:

Records file: ☒ Automatic ☐

Master server: ☒ Add NS record for master server?

Email address:

Use zone template?: ☐ Yes ☒ No IP address for template records:

Add reverses for template addresses?: ☒ Yes ☐ No

Refresh time: seconds Transfer retry time: seconds

Expiry time: seconds Negative cache time: seconds

[Create](#)

After create the Master Server we will add the address records:



When you finish you must select the button ‘Apply configuration’ on the top right corner to apply the changes:

If you need more DNS server you must add more Name servers.



3. EXERCISES

The objective of this exercises is to do what we did in the previous Lab in the Server VM, but this time using webmin.

1. Create “minombre.abastos.edu zone”. (Section 7 Lab II)
2. Add client VM as another Name server. (Section 8.2 LabII)
3. Say the Secondary Name Server IP to the Master Server. (Section 8.2 Lab II). You must go to “Edit Zone Options”, and add the Secondary Name Server IP to the ‘Also notify Slaves ...’
4. Now check the Primary and Secondary Servers. Don’t forget to apply the changes.
5. Change some IP address and check that Secondary Server is updated in some seconds.
6. Take and upload a screenshot of:
 - Name Servers Records
 - Address Records

7. Upload your host zone file, you will find it in /var/lib/bind

4. Internet resources

- https://doxfer.webmin.com/Webmin/BIND_DNS_Server