**How to make a Local Repository**

1. Making a directory in any place of the harddisk ot store/save the linux cd

# mkdir /media/foldername(such as local repo)

1. Copy the CD into the directory /folder from CD rom

#cp –rf /media/RHEL-6…..\1/\* /media/Localrepo

1. Three packages need to be installed to create the local repository
   1. Deltarpm
   2. Phython deltarpm
   3. Create repo

#cd /media/localrepo/Packages

Packages# rpm –ivh deltarpm-3.5…..

Packages# rpm –ivh phython-deltarpm….

Packages# rpm –ivh createrepo……

1. # cd /etc/yum.repos.d

Yum.repos.d# vim local.repo

Now write the config code as below in the local.repo file

[local]

Name=localrepo

Baseurl=file://media/localrepo/Packages

Enable=1

Gpgcheck=0

1. Yum.repos.d #createrepo /media/localrepo/Packages
2. To check whether all files has installed or not

#yum rpolist

**FTP Server Installation**

Package name: vsftpd

Doc root : /var/ftp/pub/

Config file :/etc/vsftpd/vsftpd.conf

1. To install the vsftpd package

#yum install vsftpd

1. Service restart

#service vsftpd restart

#chkconfig vsftpd on

1. To check the progress go to firefox and test it

#firefox

At the url write

<ftp://IP> address …if doc is shown then its write

**DNS Configuration**

Steps to configuration the DNS service

1. **IP config/network config**

#setup

Enter into the eth0 LAN card and

Give IP, Subnet mask, gateway , and other things

Such as IP:192.168.1.10

Gateway:192.168.1.1

Then in the DNS configuration

Hostname: bdarmy.mil.bd

Primary DNS :192.168.1.10

Search path : mil.bd

NOTE: eth0 card must be up and remember all of the given things

#service network restart

It will show 3 OK

1. **Hosfile edit**

#vim /etc/hosts

Write at the below of the file

192.168.1.10 bdarmy.mil.bd

Package Install

#yum Install bind\*

1. **Conf file edit**

#vim /etc/named.conf

Line no:11--🡪 {127.0.0.1; 192.168.1.10;}

Copy 35-38(put the cursor at the beginning of 35 and press 4+y+y not in the insert mode) and paste it at 39 no line(press P but not in the insert mode

Now write or edit like below

Zone “bdarmy.mil.bd.” IN{

Type master;

File “named.fwd” ; };

The under those lines write

Zone “1.168.192.in-addr.arpa” IN{

Type master;

File “named.rev” ; };

1. **Fwd file edit**

#cp /var/named/named.localhost /var/named/named.fwd

#vim /var/named/named.fwd

Then write the below line or edit

IN SOA bdarmy.mil.bd. root.mil.bd. (

)

IN NS bdarmy.mil.bd.

Bdarmy.mil.bd IN MX 10 bdarmy.mil.bd.

Bdarmy.mil.bd IN A 192.168.1.10

www.mil.bd IN CNAME bdarmy.mil.bd.

1. **Rev file edit**

#cp /var/named/named.fwd /var/named/named.rev

#vim /var/named/named.rev

IN SOA bdarmy.mil.bd. root.mil.bd. (

)

IN NS bdarmy.mil.bd.

10 (last octet of the IP) IN PTR bdarmy.mil.bd.

1. **Change ownership**

#chown root.named /var/named/named\*

#service named restart

1. **Server testing**

#nslookup bdarmy.mil.bd

Or

#nslookup 192.168.1.10

**HTTP Installation**

to check the status of http server whether it is previously installed or not…..

#service httpd status

Now install the http Packages

#rpm –ivh httpd-2.2.15………….

Edit file

#vim /etc/httpd/conf/httpd.conf

136…> listen 192.168.1.10 (lan card IP)

276🡪 Server name bdarmy.mil.bd:80

402🡪Directory Index filename.html (ex: website.html)

1003-🡪 copy 1003 -1009 and paste it at 1010

1011🡪enable all line, just delete all # from the lines

<virtual host 192.168.1.10:80>

Server admin [root@mil.bd](mailto:root@mil.bd)

Document root /var/www/html

Server name [www.mil.bd](http://www.mil.bd)

Error log logs/bdarmy.mil.bd-error-log

Custom loc logs/bdarmy.mil.bd-access-log common

<virtual host>

Now for checking

#chkconfig on

#service httpd restart (if its failed then check whether eth0 card is up or not and check all the config file )

Now make a html default page

#vim /var/www/html/website.html