**Session 8**

How to setup YUM package manager.

At least once we’ve to tell yum the location of software(rpm files), so

that it can go to that location and find the specific file there.

Let’s say we have the files available in the dvd.

So, we have to configure yum to give point towards the dvd drive:

To do that -

 Go to directory

$ cd /etc/yum.repos.d/

 Create a new file with .repo extension

$ vim dvd.repo

 paste the path as

[MyRepo]

baseurl = file:///..path of softwares ..(for local path)

gpgcheck = 0

path is the ‘path’ where to find software(dvd path).

Every repo has a unique name which is written in square brackets.

Set gpgcheck to 0 which ignores chekcing the the signature of files while installing.

Setup a HTTP server

1. Install Software - httpd

$ yum -q httpd (check if it is installed or not)

$ yum install httpd

2. Configure, already done when installing software.

copy / deployment of website. (index.html)

$ cd /var/www/html/

$ gedit index.html

3. Execute (starting the services)

$ systemctl start httpd

4. To stop firewall

$ systemctl stop firewalld or $ iptables -F

At client side go to this URL -

http://server\_ip/webpage.html

index.html is the home page or the root page for the website.

Changing http configuration

changing document root from *var*/www/html --> *var*/www/lw

$ mkdir /*var*/www/lw

$ cd /*var*/www/lw

$ cat > index.html

linux world

$ cd /*etc/httpd/conf.d/*

*$ vim vimal.conf*

*DocumentRoot /var/www/lw*

*$ systemctl restart httpd*

*Now, index.html will be read form /var/www/lw/*

*We can end http or for that matter any service by searching for their pid using the PS command*

*and with the syntax $ kill [pid]*

*also, we can end a process using $ systemctl stop [service-name]*

Running multiple http host on a single server, differentiated using multiple ports

$ mkdir /*var/www/new*

*$ cd* /*var/www/new*

*$ cat > index.html*

*newwww*

*$ vim vimal.conf*

*listen 1111*

*listen 2222*

*<virtualhost [192.168.0.166:1111]>*

*DocumentRoot /var/www/lw*

*</virtualhost>*

*<virtualhost [192.168.0.166:2222]>*

*DocumentRoot /var/www/new*

*</virtualhost>*

*$ systemctl restart httpd*

*Now, if you type 192.168.0.166:1111 on the browser:*

*the index.html file in /var/www/lw will be shown on the browser*

*And, if you type 192.168.0.166:2222 on the browser:*

*the index.html file in /var/www/new will be shown on the browser*

*We can also setup multiple hosts without using different ports, by using servernames:*

*$ vim vimal.conf*

*<virtualhost [192.168.0.166:80]>*

*servername www.lw1.com*

*DocumentRoot /var/www/lw*

*</virtualhost>*

*<virtualhost [192.168.0.166:80]>*

*servername www.new1.com*

*DocumentRoot /var/www/new*

*</virtualhost>*