YUM SERVER CONFIGURATION GUIDE

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RATIONALE

During your lab practice at home you will want to configure a YUM client so you can connect to a YUM Server to download, satisfy dependencies, and install additional RPM packages. You may wish to consider a YUM Server on your network. Your Yum Server can also be a client as well, besides serving other Virtual RHEL 5.4 servers. Additionally, this would allow you to also perform NFS or FTP installs from another potential RHEL 5.4 server.

I am currently logged into my RHEL 5.4 server as the user root. I have already installed the vsftpd server RPM at installation time. Additionally I installed the createrepo RPM at install time. If you failed to do this at install time, you can mount the RHEL 5.4 installation DVD and install these two packages before proceeding. Those two packages are:

- **createrepo-0.4.11-3.el5.noarch.rpm**
- **vsftpd-2.0.5-16.el5.i386.rpm**

In this first step I have created the child directory RHEL-5.4 under /var/ftp/pub. If /var/ftp/pub doesn't exist, then vsftpd is not installed!

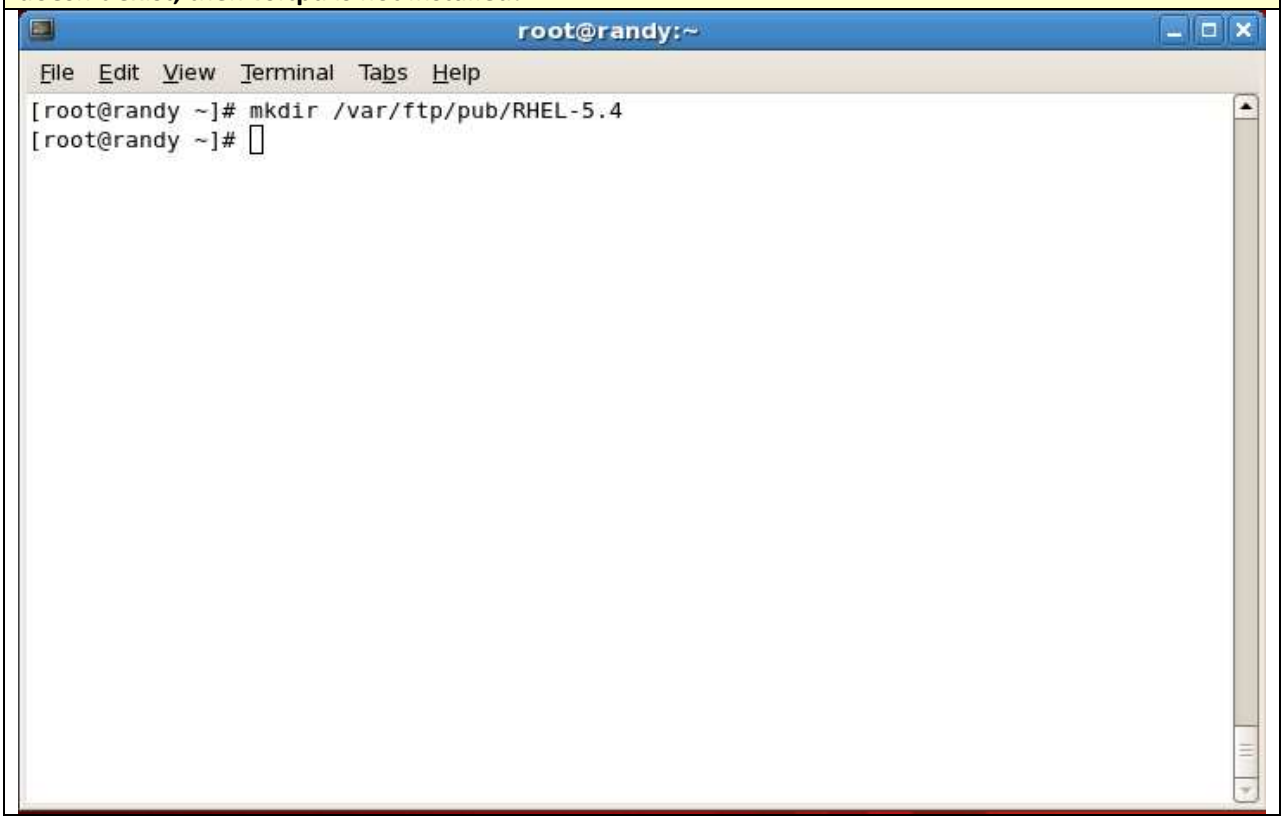

Figure One

Your DVD Disk is mounted to /media and there are spaces in the disk title so you will need to type R and then tab the auto-complete. So cd to the root directory of the DVD disk.

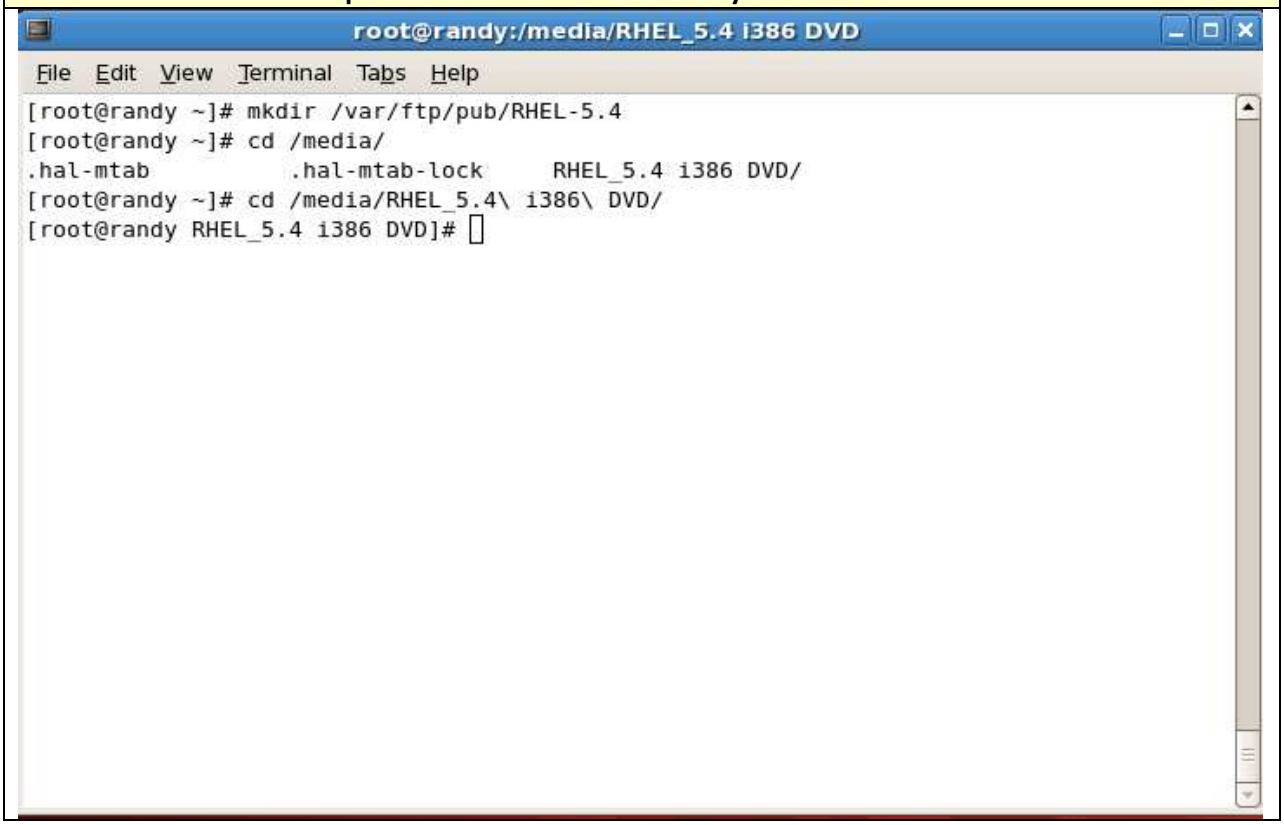

Figure Two

In this step I did a listing just to show that you will be coping all files and directories from this disk in the next step.

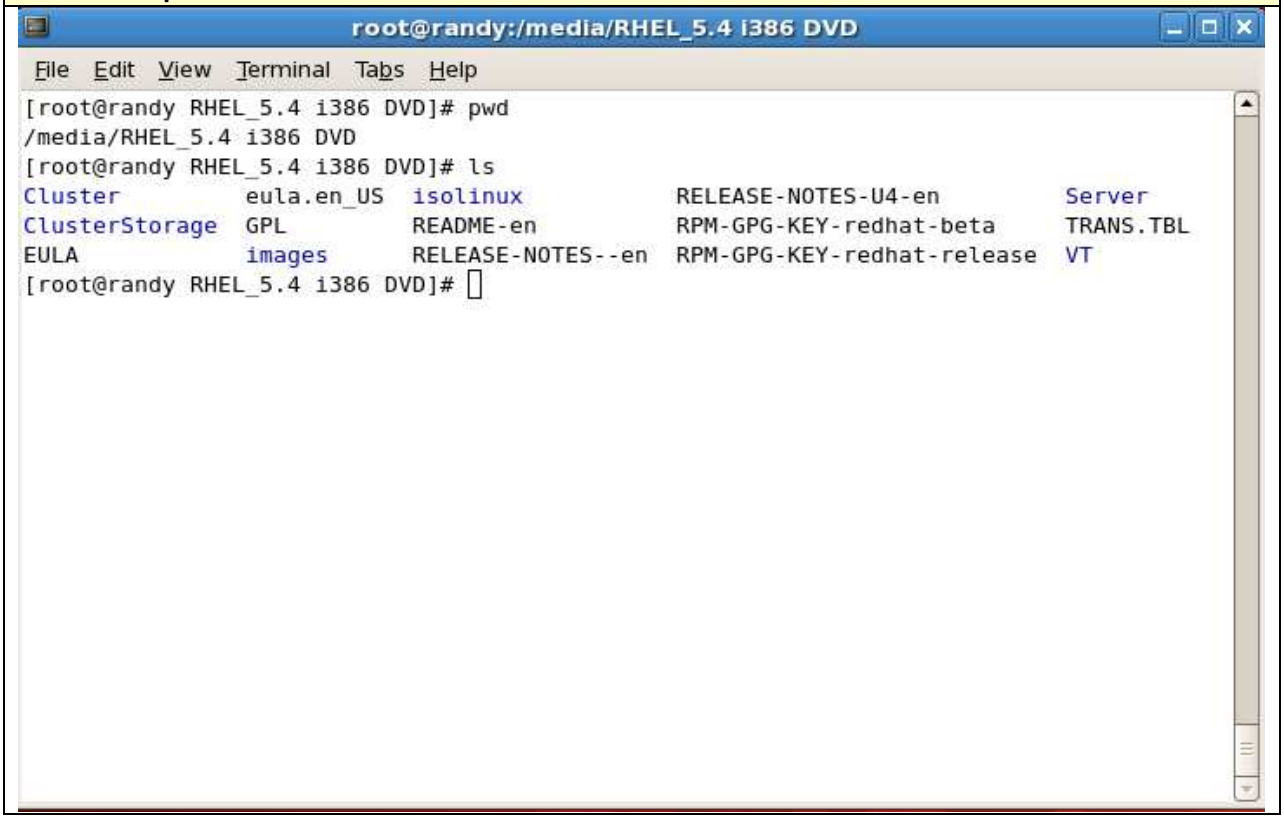

Figure Three

Copy all files and directories to your /var/ftp/pub/RHEL-5.4 directory by performing the following.

Figure Four

The files and directories will take several minutes to copy, and below I am listing the /var/ftp/pub/RHEL-5.4 directory and you can now see that the DVD disk contents is now copied over.

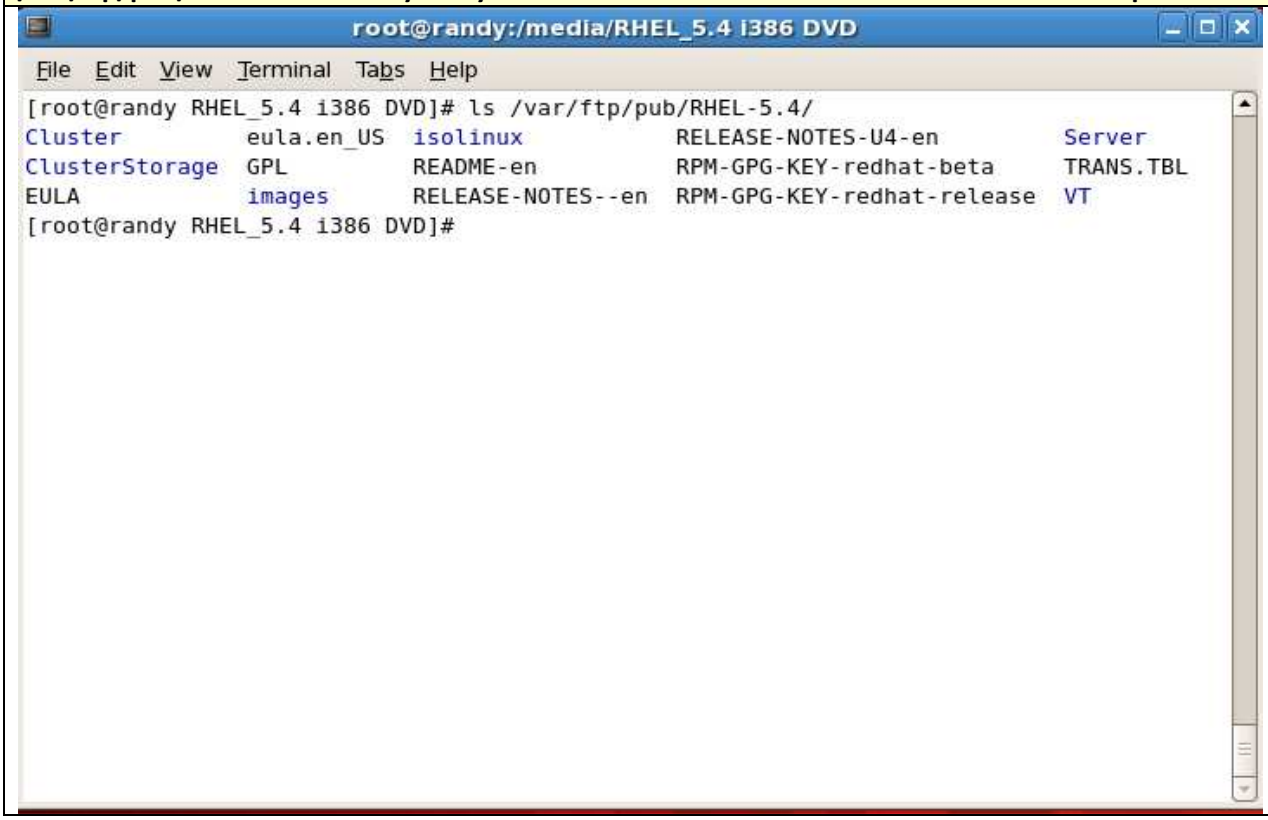

Figure Five

Note below I placed vsftpd is the start-up and started the vsftpd server service.

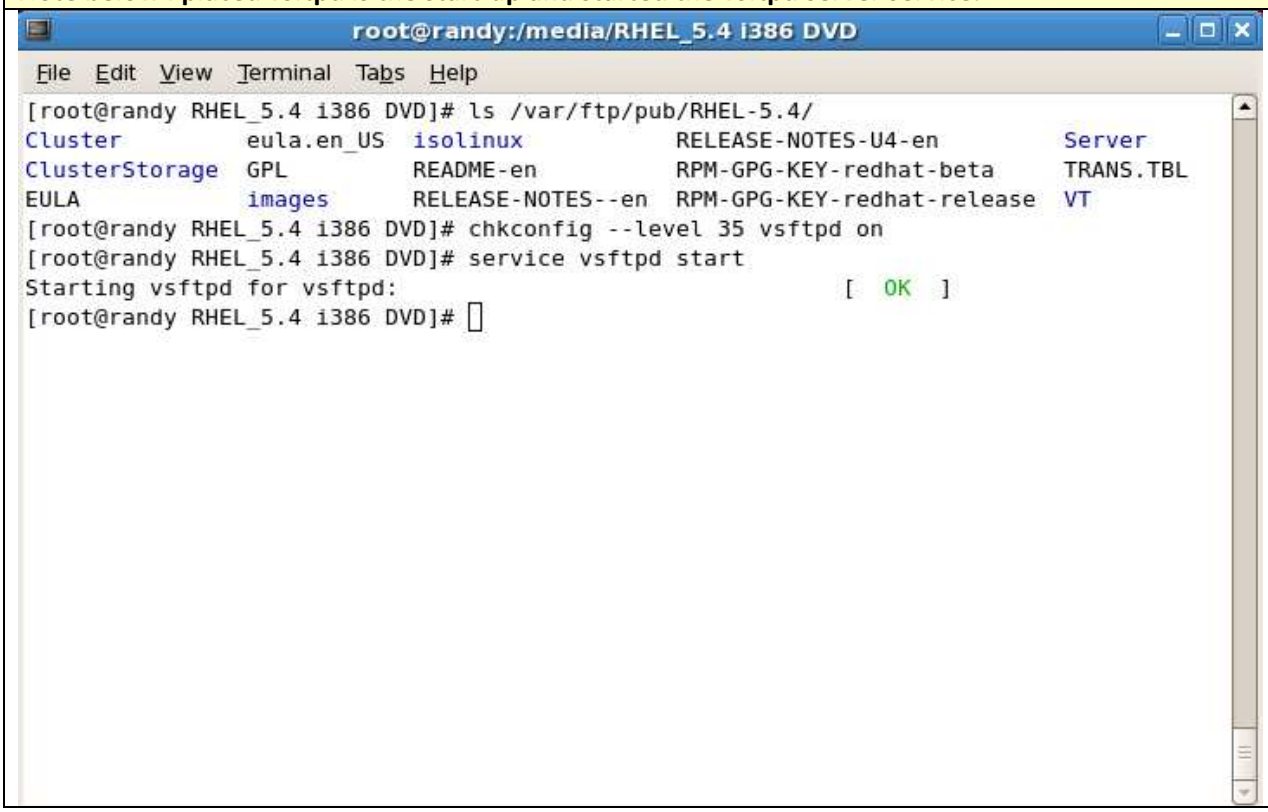

Figure Six

I am going to export /var/ftp/pub so I can also do over-the-network installs using nfs.

Figure Seven

Your setting in /etc/exports will be the same as mine if you want the feature.

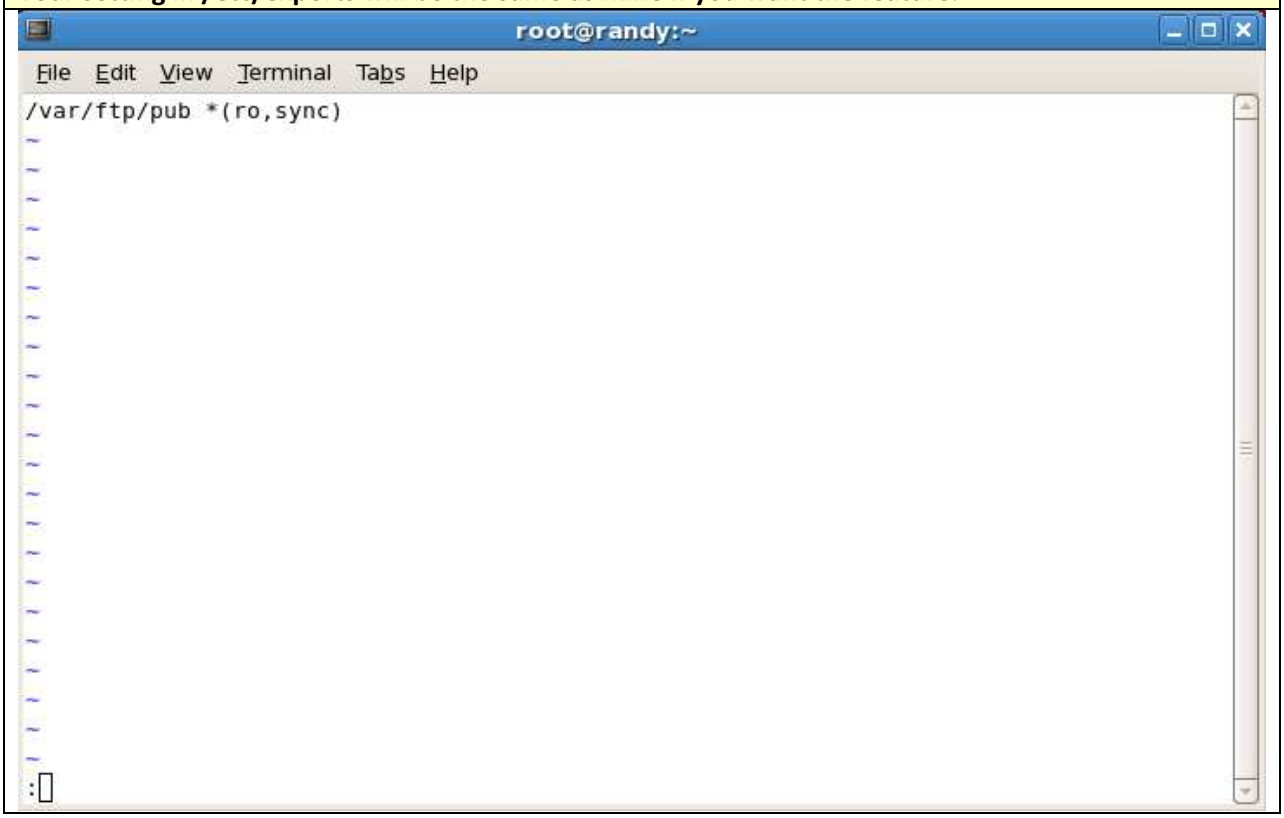

Figure Eight

Here I placed nsf in the start-up, started nfs, and checked to see if the export was working properly.

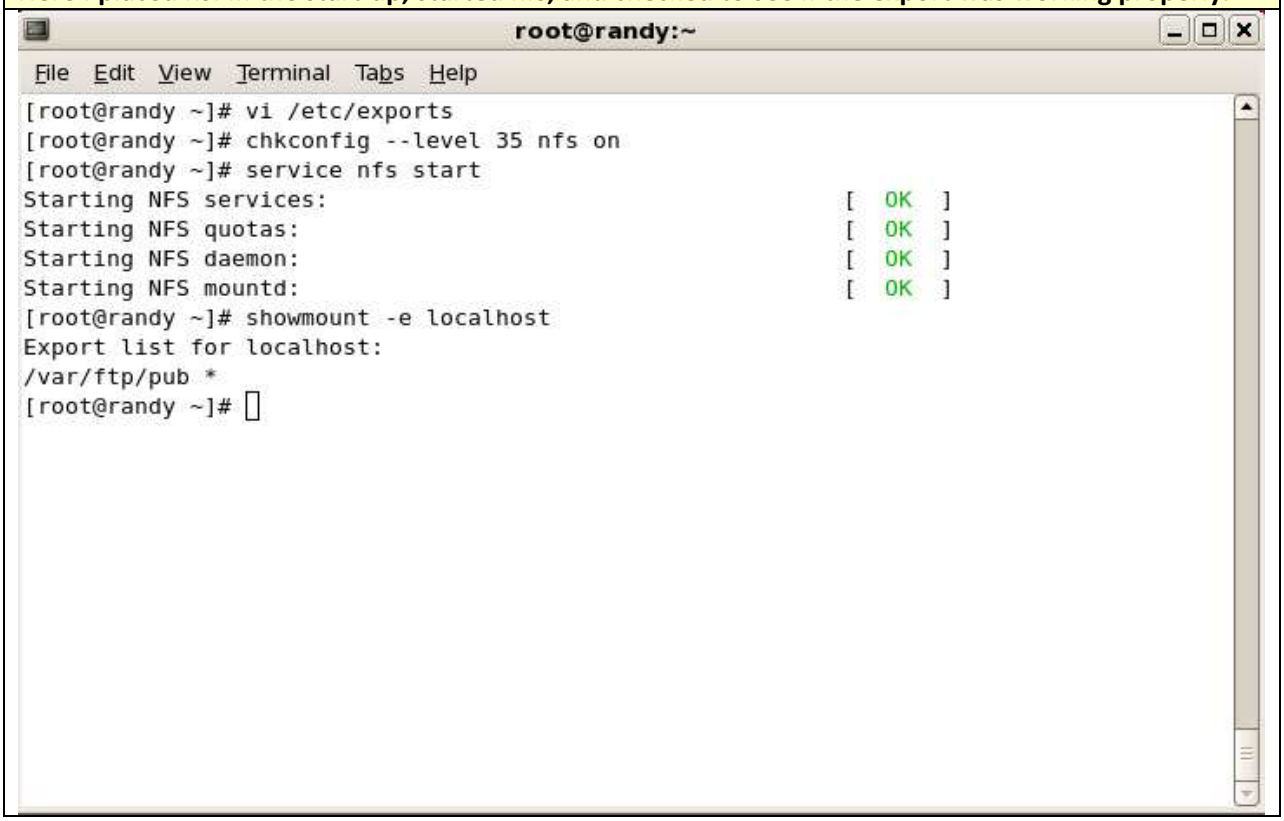

Figure Nine

Now execute the createrepo command by performing the following and the absolute path.

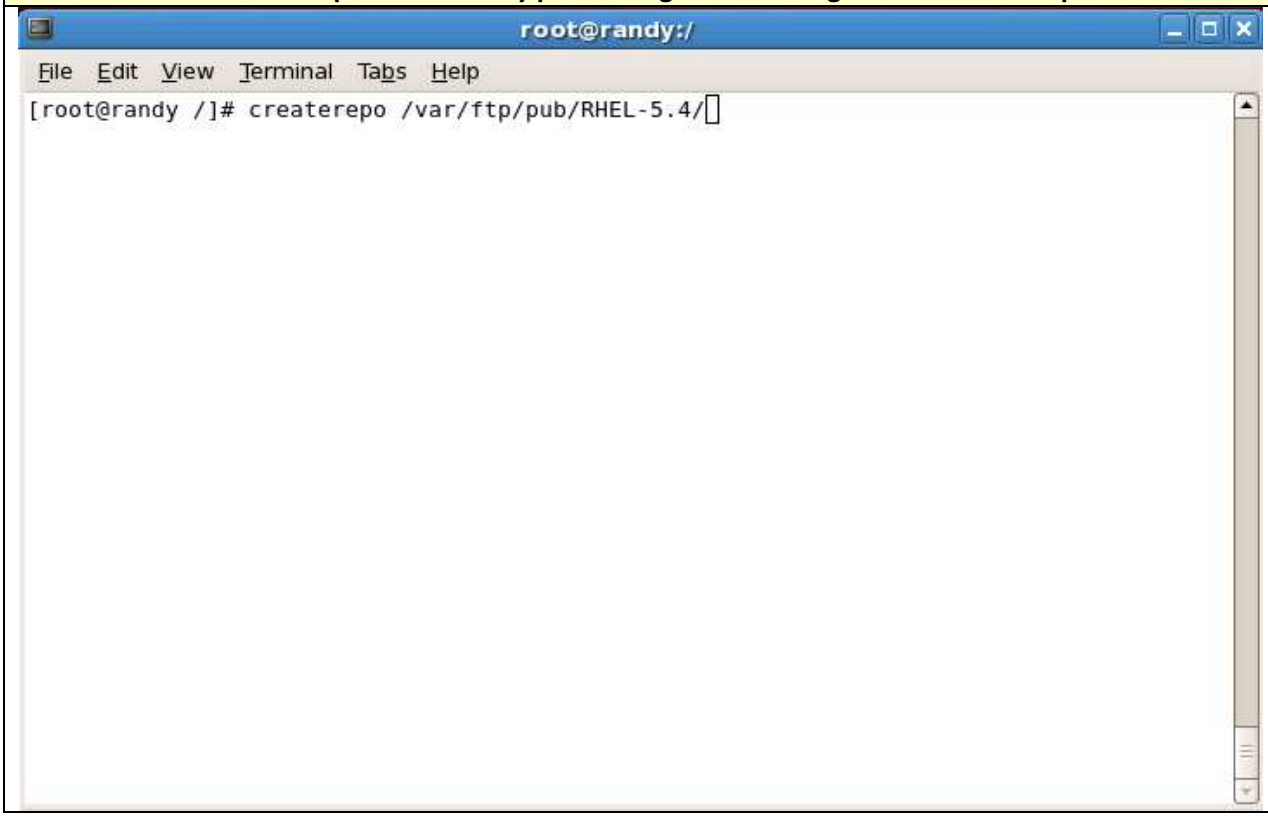

Figure Ten

Notice the repo has been created.

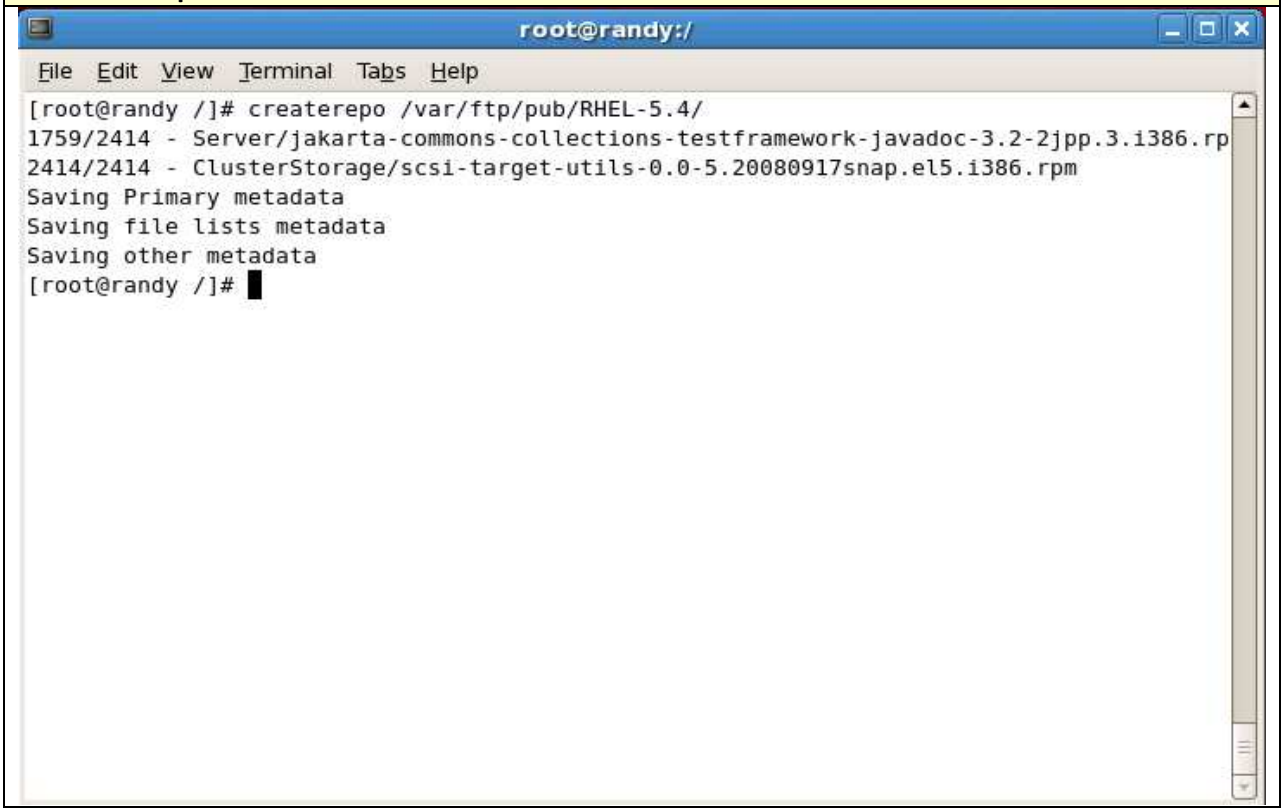

Figure Eleven

Now you will need to utilize your YUM server as a YUM client on the same computer.

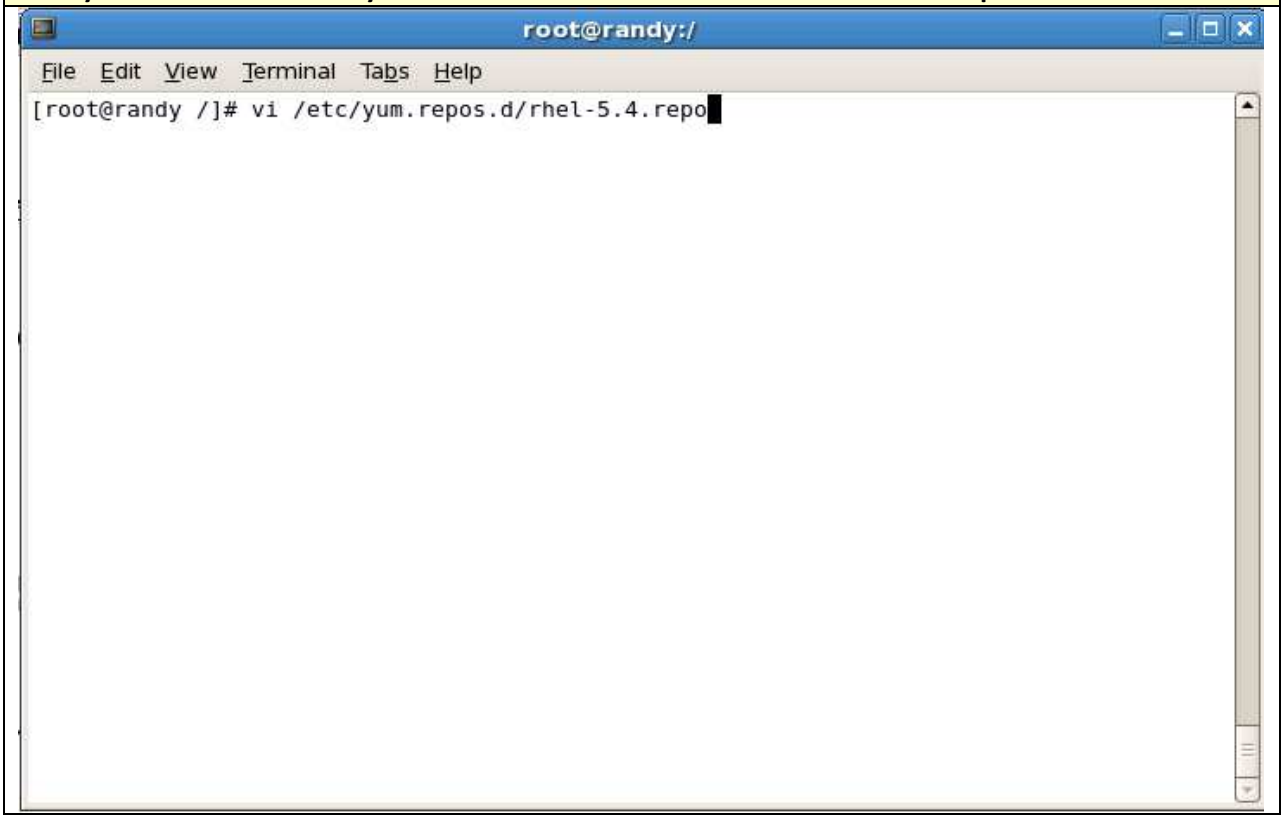

Figure Twelve

Your YUM client configuration should look like the one below.

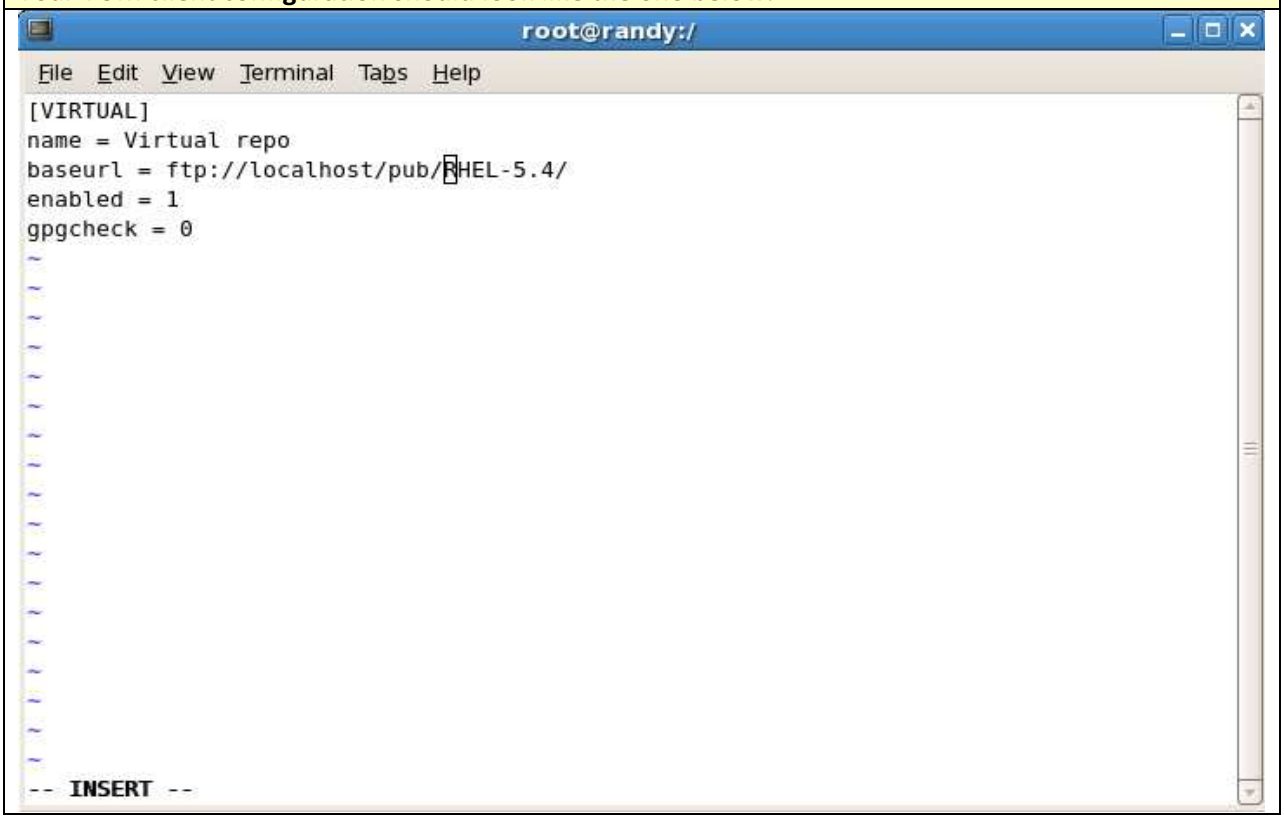

Figure Thirteen

Verify it works by just typing the command below, it will then build the meta-data list as seen in the next screen.

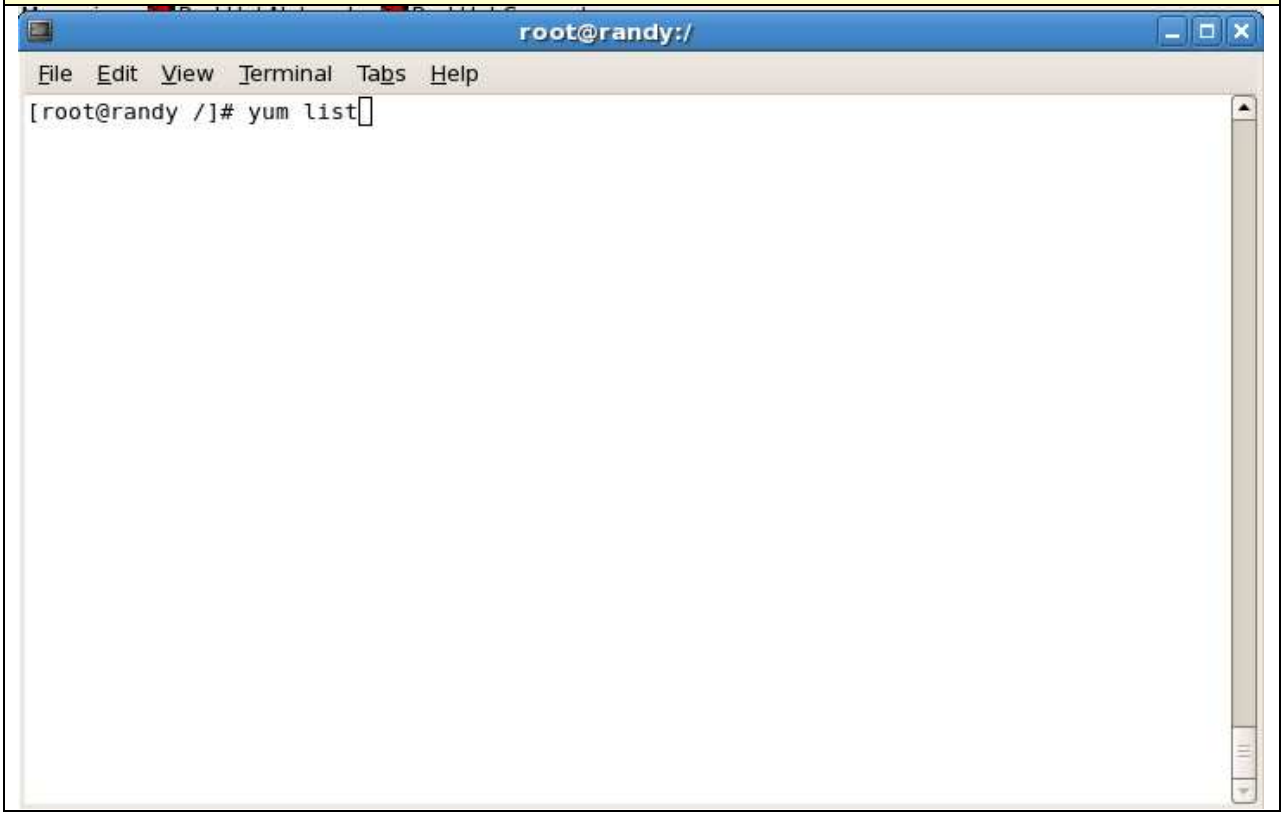

Figure Fourteen

As you can see below, I have successfully connected to my YUM Server!

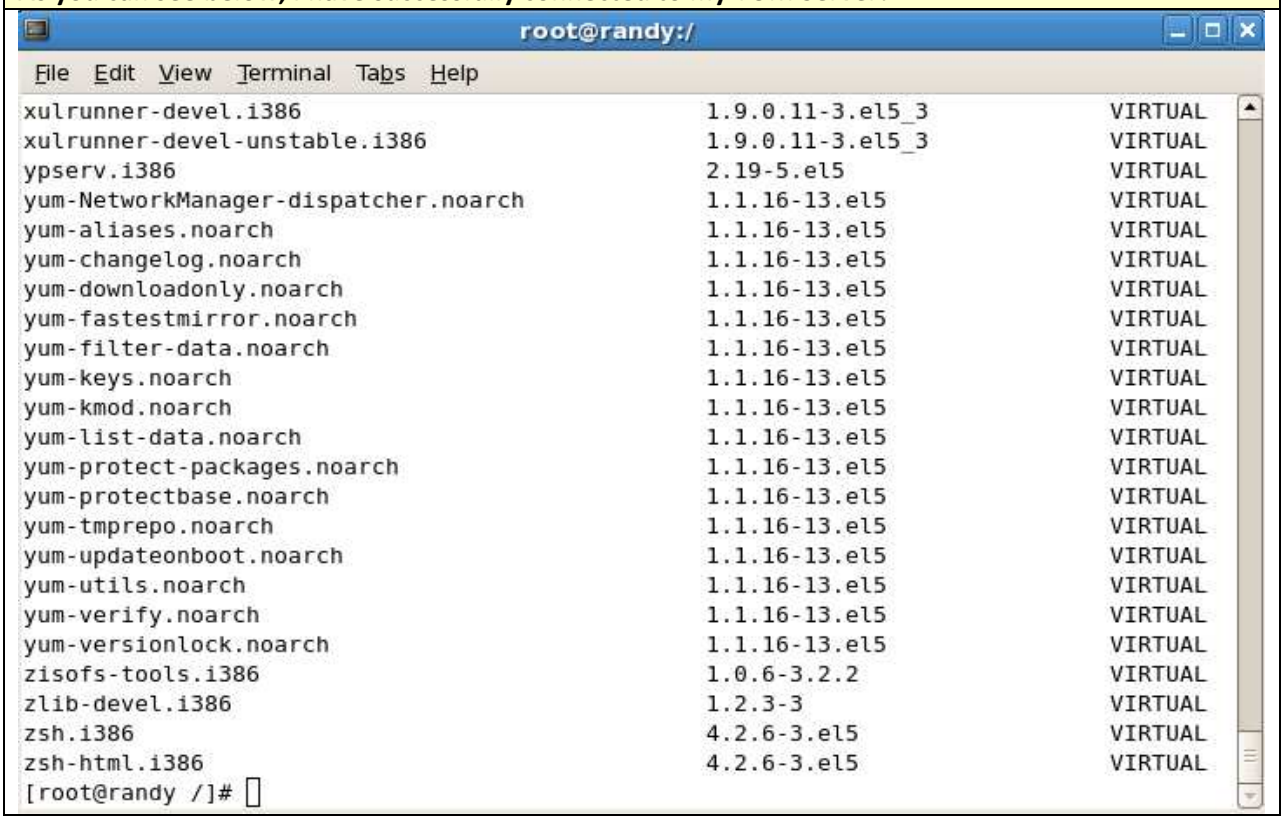

Figure Fifteen

PROJECT FINISHED