**Preboot eXecution Environment Installation**

SERVER -->

**Configure Network:**

>--Server-->192.168.202.1/24(static)

>--Client-->192.168.202.2-254/24(DHCP)

**Configure Yum Repo Via DVD:**

>Insert DVD

>mount //to check

>umount /dev/sr0

>mount /dev/sr0 /media

>vi /etc/yum.conf or /etc/yum.repos.d/repo\_name.repo

[001]

name=server

baseurl=file:///media/Server

gpgcheck=0

>yum repolist //to check

**Install required Packages:**

>yum -y install dhcp tftp-server syslinux (httpd vsftpd nfs-utils) system-config-kickstart

>yum -y install dhcp tftp-server syslinux vsftpd system-config-kickstart

**Configure DHCP server:**

default-lease-time 600;

max-lease-time 1200;

allow booting;

allow bootp;

authoritative;

subnet 192.168.202.0 netmask 255.255.255.0{

range dynamic-bootp 192.168.202.2 192.168.202.254;

next-server 192.168.202.1; //ip of tftp

filename "pxelinux.0"

}

>vi /etc/dhcp/dhcpd.conf

# see /usr/share/doc/dhcp\*/dhcpd.conf.sample

>cp /usr/share/doc/dhcp-4.1.1/dhcpd.conf.sample /etc/dhcp/dhcpd.conf

>//make changes as above in dhcpd.conf

**Configure DHCP server:**

>service dhcpd start //to start dhcpd

>chkconfig dhcpd on //start automatic on boot

>chkconfig --list dhcpd //to check if on auto on boot or not

**Configure TFTP server:**

>vi /etc/xinetd.d/tftp

disable=no //by default it is disabled

save & exit

>cp -a /media/isolinux/\* /var/lib/tftpboot

>mkdir /var/lib/tftpboot/pxelinux.cfg

>cp /var/lib/tftpboot/isolinux.cfg /var/lib/tftpboot/pxelinux.cfg/default

>cp /usr/share/syslinux/pxelinux.0 /var/lib/tftpboot/

**Start TFTP server:**

>service xinetd start

>chkconfig xinetd on

**Configure FTP server:**

**>**cp -vr /media/\* /var/ftp/pub

>vi /etc/vsftpd/vsftpd.conf

//anon\_root=/rhel6//just check anonymous user is enabled/yes

**Start FTP server:**

>service vsftpd start

>chkconfig vsftpd start

**Selinux & Firewall off:**

>setenforce 0

>system-config-firewall or setup

//Just crosscheck all servers are started & PXE SERVER IS READY..................!!!!

Client -->

**(LAN card must be PXE compatible)**

>Set PXE 1st priority or choose from boot order on system start.

>System starts network OS -> Press [TAB]

extend line -> vmlinuz initrd=initrd.img linux repo=ftp://192.168.202.1/pub

>Complete the installation process.