$ echo "install applications"
install applications
$ sudo apt-get install inetutils-inetd tftpd-hpa
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  libfile-copy-recursive-perl update-inetd
Suggested packages:
  syslinux-common
The following NEW packages will be installed:
  inetutils-inetd libfile-copy-recursive-perl tftpd-hpa update-inetd
0 upgraded, 4 newly installed, 0 to remove and 177 not upgraded.
Need to get 120 kB of archives.
After this operation, 649 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
cituser@www:~$ echo "Tell tftpd server to start"
Tell tftpd server to start
cituser@www:~$ sudo vi /etc/default/tftpd-hpa
cituser@www:~$ cat /etc/default/tftpd-hpa

# /etc/default/tftpd-hpa

RUN_DAEMON="yes"
OPTIONS="-l -s /var/lib/tftpboot"
TFTP_USERNAME="tftp"
TFTP_DIRECTORY="/var/lib/tftpboot"
TFTP_ADDRESS="[::]:69"
TFTP_OPTIONS="--secure"
cituser@www:~$ sudo /etc/init.d/tftpd-hpa restart
cituser@www:~$
Configure dhcp
# network, the authoritative directive should be uncommented.

#authoritative;

# Use this to send dhcp log messages to a different log file (you also
# have to hack syslog.conf to complete the redirection).

log-facility local7;

# No service will be given on this subnet, but declaring it helps the
# DHCP server to understand the network topology.

#subnet 10.152.187.0 netmask 255.255.255.0 {
#
#
subnet 144.38.220.224 netmask 255.255.255.224 {
  range 144.38.220.227 144.38.220.254;
  option routers 144.38.220.225;
  option broadcast-address 144.38.224.255;
  option subnet-mask 255.255.255.224;
  #file to look for on pxe server inside of tftpboot dir
  filename "pxelinux.0";
  #tftp server address
  next-server 144.38.220.251;
}

"dhcpd.conf" 120L, 3926C written
cituser@ubuntu:/etc/dhcp$ sudo service isc-dhcp-server restart
isc-dhcp-server stop/waiting
isc-dhcp-server start/running, process 1164
cituser@ubuntu:/etc/dhcp$
Add the appropriate options for when tftpd starts
root@www:~# echo "Verify file"
Verify file
root@www:~# tail /etc/inetd.conf
#:BOOT: TFTP service is provided primarily for booting. Most sites
#    run this only on machines acting as "boot servers."
#:RPC: RPC based services
#:HAM-RADIO: amateur-radio services
#:OTHER: Other services
tftp dgram udp wait root /usr/sbin/in.tftpd /usr/sbin/in.tftpd -s
/var/lib/tftpboot
root@www:~#
cituser@www:~$ echo "Get server iso"
Get server iso
cituser@www:~$ wget http://mirror.cs.dixie.edu/ubuntu-cds/wily/ubuntu-15.10-server-amd64.iso
Resolving mirror.cs.dixie.edu (mirror.cs.dixie.edu)... 144.38.192.6
Connecting to mirror.cs.dixie.edu (mirror.cs.dixie.edu)|144.38.192.6|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 662700032 (632M) [application/x-iso9660-image]
Saving to: ‘ubuntu-15.10-server-amd64.iso’

100%[==================================================] 662,700,032 54.6MB/s in 14s

2016-02-23 07:24:43 (45.4 MB/s) - ‘ubuntu-15.10-server-amd64.iso’ saved [66270032/662700032]
cituser@www:~$
Mount the iso to read files

cituser@www:~$ echo "Mount the iso to read files"

Mount the iso to read files

cituser@www:~$ mkdir mnt

cituser@www:~$ sudo mount -o loop ubuntu-15.10-server-amd64.iso mnt/

[sudo] password for cituser:
mount: block device /home/cituser/ubuntu-15.10-server-amd64.iso is write-protected, mounting read-only

cituser@www:~$ cd mnt/ubuntu

cituser@www:~/mnt/ubuntu$ ls

boot  doc  install  md5sum.txt  pool  README.diskdefines
dists  EFI  isolinux  pics  preseed  ubuntu

cituser@www:~/mnt/ubuntu$
Copied the netboot files so that tftp can see them
joe2@desdemona:~$ echo "Lets try to netboot a client and see what happens"

joe2@desdemona:~$ citc bootvm netboot_test n
/usr/bin/ssh -q desdemona "/qemu/bin/qemu-boot 444 'joe2-netboot_test' 512 '52:54:00:08:01:BB''''''' 'n' 1 1 2056 '/qemu/images';" User(joe2) has booted machine(netboot_test) on server(desdemona:444) with 512 memory.

joe2@desdemona:~$
Installer boot menu

Install
Command-line install
Advanced options
Help

Press ENTER to boot or TAB to edit a menu entry