# How to setup a LTSP Server on CentOS 6.2

by

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Software:

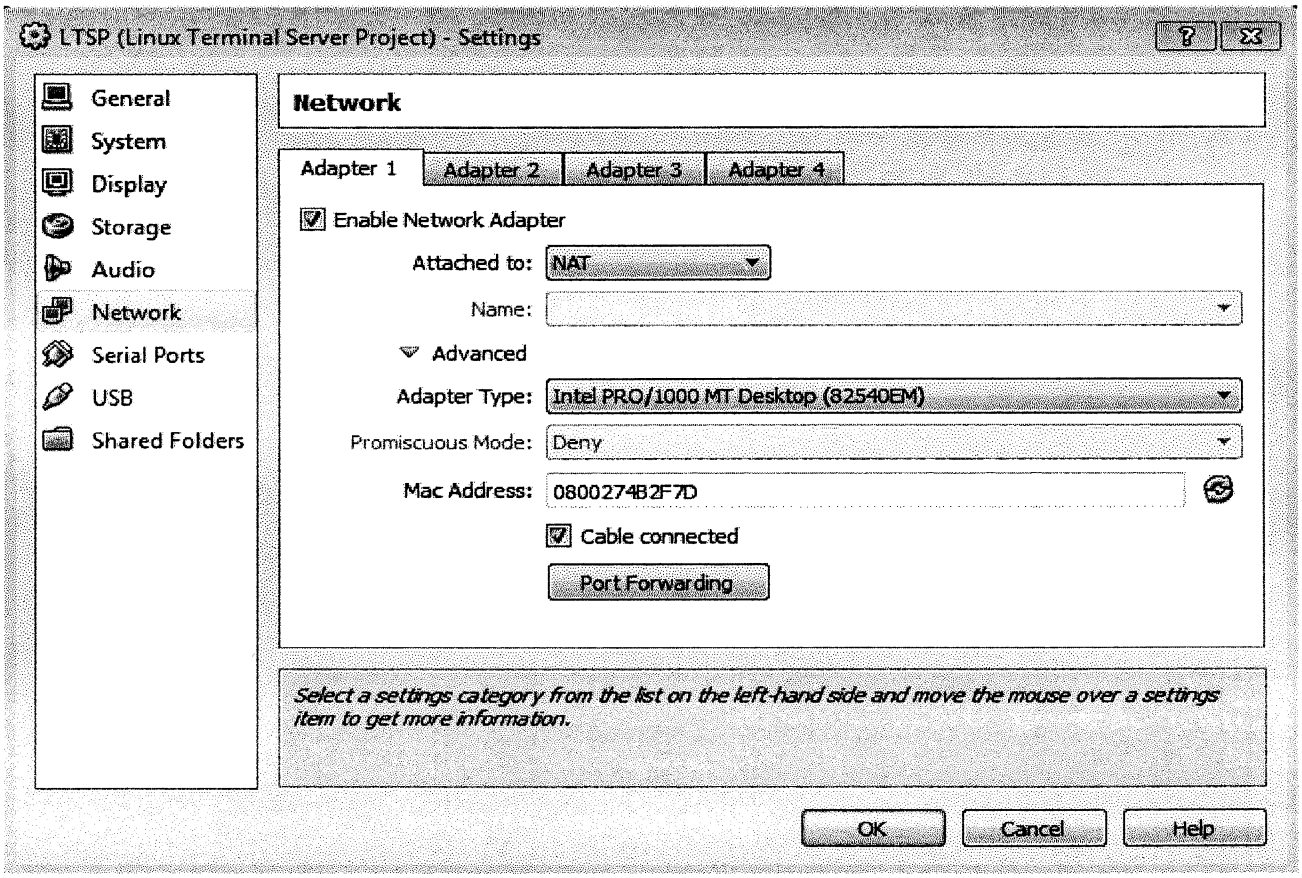
Virtualbox

Operating System:

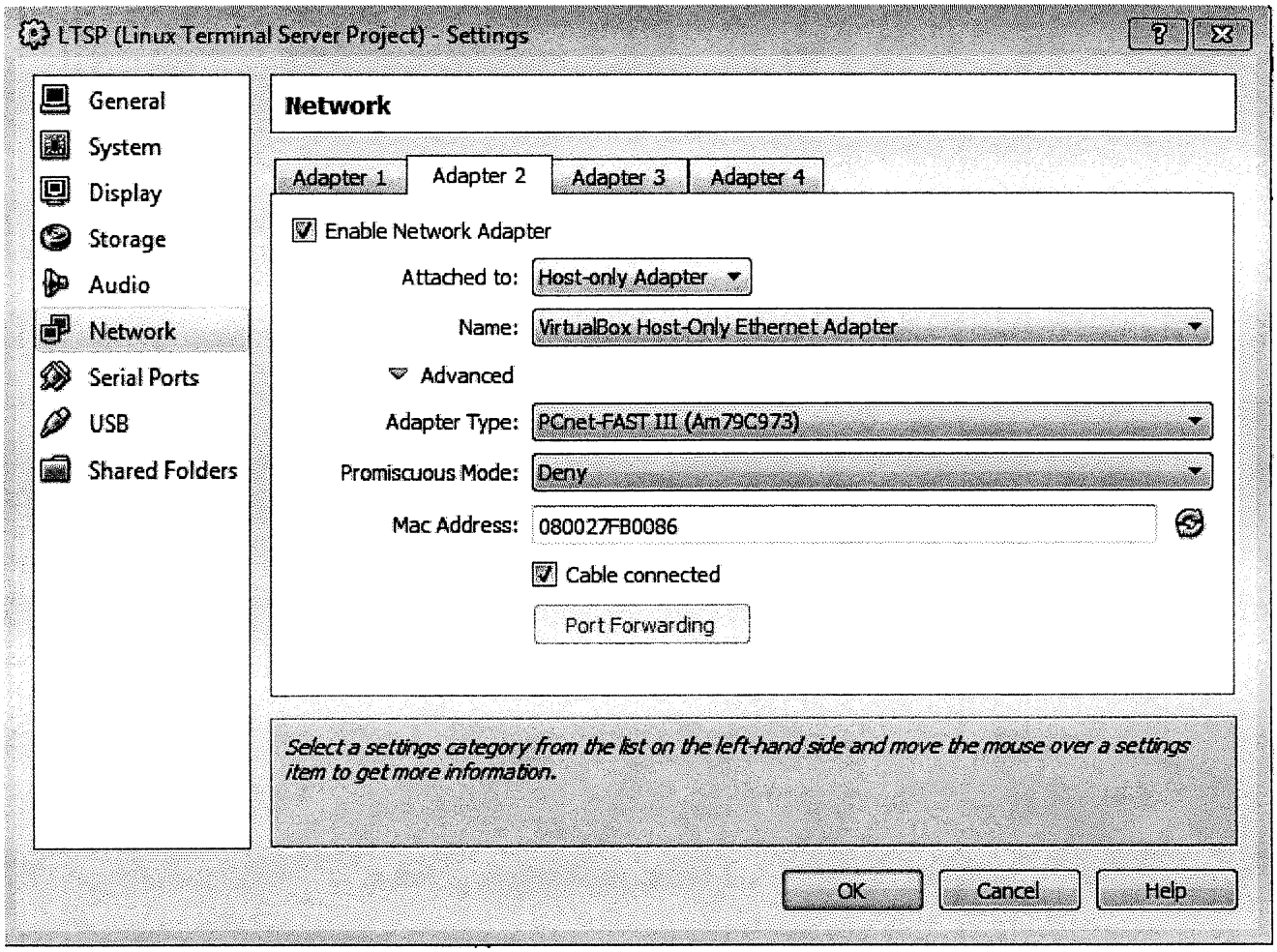
CentOS 6.2 (Graphical Install)

VBOX Setup:

Network Adapter 1 (eth0)



Network Adapter 2 (eth1)




1) # yum install centos-release-cr (Continuous Repository for CentOS 6 since it fixes the bugs.)
2) You'll need the EPEL 5/6 Package rpm. Go to fedoraproject.org/wiki/EPEL

   Scroll Down to "How can I use these extra packages" and Click Newest Version Release (EPEL 6 for Centos 6.0/6.2)
   You should see a something like this when you enter it.:

epel-release - Extra Packages for Enterprise Linux repository configuration

**Website:** http://download.fedora.redhat.com/pub/epel
**License:** GPLv2
**Vendor:** Fedora Project

**Description:**

```
This package contains the Extra Packages for Enterprise Linux (EPEL) repository
GPG key as well as configuration for yum and up2date.
```

Packages

epel-release-6-6.noarch [14 KiB] **Changelog** by Jens Petersen (2012-01-10):
- add /etc/rpm/macros.ghc-srpm from fedora redhat-rpm-macros

Listing created by Repoview-0.6.6-1.el6

Click on it to download it onto CentOS.

3) # yum update
4) #rpm -e nspluginwrapper - -allmatches
5) # wget http://mplug.org/~k12linux/rpm/el6/i386/k12linux-release-5.2.17-1.el6.i686.rpm
6) # rpm -i k12linux-release-5.2.17-1.el6.i686.rpm
7) # yum install ltsp-server
8) echo "/opt/ltsp *(ro,async,no_root_squash)" >> /etc/exports

   -This will allow the thin clients to access files on the server.

9) # for service in xinetd ltsp-dhcpd rpcbind nfs sshd ; do chkconfig $service on ; service $service restart ; done
10) # for server in ldminfod nbdrootd nbdswapd tftp; do chkconfig $server on ; done

   -Used to ensure necessary ltsp services are going to start during boot process

11) # chkconfig iptables off ; service iptables stop

   -Note: This is done so that there isn't interference or problems occuring from the firewall during the setup. Once it's done you can turn on the firewall after. (I tried this myself, but I got some problems on the way, and then I tried it with the firewall on, and it worked....)

12) # ltsp-server-tweaks

   -Note: This command MUST be done each time you start the server.

13) # useradd testuser; passwd testuser
14) # usermod -a -G fuse testuser
15) # ltsp-build-client – -arch i386

   -Used to make ltsp environment and bootable image

16) # cd /etc/sysconfig/network-scripts
17) #ifconfig

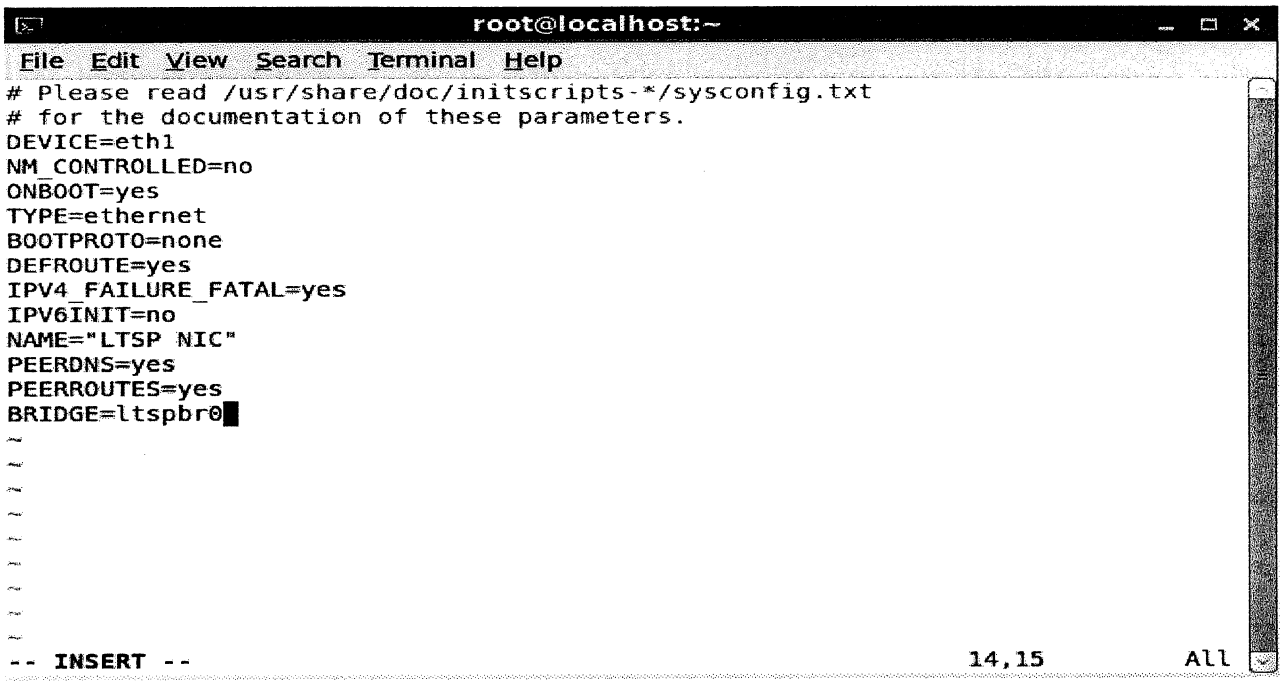
Ex: eth0 → Your DHCP

eth1 → NIC used for LTSP

ltspbr0 → For bridging with eth1.

18) # vim ifcfg-eth1

-Make it the same as below:




19) # brctl show (At first, It shouldn't show eth1. When you reboot it, it should show up, which is what you want.)

```
[root@localhost ~]# brctl show
bridge name     bridge id               STP enabled     interfaces
ltspbr0         8000.0800271a6b83       no              eth1
```

20) # reboot, and you should be able to PXE Boot into it.

-Note: After you reboot into it, make sure that you go into the terminal, log in as root, and do the ltsp-server-tweaks command so that it can work. If it's not working, it might a firewall issue, so you'll probably have to configure the firewall so that the client can get the image from the server (You can disable the firewall, but do that for testing to see if you can log in)