

LOADING TCS SERVER

Insert the rh71ks boot floppy into the floppy drive.

Turn on the machine and insert the **Redhat 7.1** cd into the cdrom drive.

The program will identify the video card and you will press the **enter** key for OK.

The files will be loaded and then it will go into the monitor setup. Choose the defaults until you get to the resolution and choose **extended super vga**

The machine will want to default to 8-bit 800x600. Choose "let me pick my own" and change the resolution to 16-bit 800x600.

It will test the xserver. Choose **yes** if you see the test box. Choose **no** to reboot in graphical mode.

After the machine reboots, insert the TCS cd-rom in the cd-rom drive and type the command **tesinst**.

There will be some files installed and another reboot.

After the reboot, login as root and get to the # prompt. Type in `cd /etc/sysconfig/network-scripts`

Type `mcedit ifcfg-eth0` and press enter.

Change the setting next to IPADDR to the ip address you want for this Linux server and the first three numbers on NETWORK and BROADCAST to the same first three numbers as the IP address. For example, if your IP address is 192.168.1.250, your ifcfg-eth0 file should look like this:

```
DEVICE=eth0
IPADDR=192.168.1.250
NETMASK=255.255.255.0
NETWORK=192.168.1.0
#If you are having problems with gated making 127.0.0.0/8 a martian,
#you can change this to something else (255.255.255.255 for example)
BROADCAST=192.168.1.255
ONBOOT=no
NAME=ethernet
```

Press F2 to save the changes and F10 to exit.

Now type in `cd /etc` then `mcedit hosts`.

Arrow down to the bottom of the file and in the blank area, type in the address of this tcserver and press tab.

Then type `tcserver` and press enter.

Type in the IP address of the SCO server and press tab.

Type in `abcsserver` and press F2 to save. Then press F10 to exit.

You will need to reboot again for the changes to take effect.

TCS SERVER TROUBLESHOOTING

1. Does the server have power?
 - a. If the server has no power, check power cords and power switches.
 - b. If it still has no power, the server has a probable power supply failure.
2. Does the monitor have power?
 - a. If the monitor has no power, check power cords and power switches.
 - b. If it still has no power, the server has a monitor failure.
3. Is there anything on the screen?
 - a. Is there a login? If so, have them try to login as root
 - b. Is there a prompt? If so, have them exit and try to get a login
 - c. Is there an error message? If there is an error message, try matching it with known errors
 1. **Disk boot failure** - hard drive has failed or the cmos has been reset
 2. **Cmos, bios, or hardware failure press f1 to continue** - some device has failed on start - check the screen for more specific information.
 3. **fsck encountered errors** - the root file system is dirty, do an `# fsck /` to check to the file system, then hit `ctrl-d` to continue booting to multi user mode.
4. If they login with no errors, try **pinging** the sco server (ping `abcsserver`.)
 - a. If you get no response - trouble shoot the network connection to the server
 - b. If you get dropped packets - there is a bad network cable or another device is using the same ip address
 - c. Error - `abcsserver unknown` - the `/etc/hosts` table is missing an entry for the `abcsserver`. Edit the file and add an entry
 - d. `Abcsserver` shows wrong address - the `/etc/hosts` table is incorrect. Edit the file for the correct ip.

