**Booting an LPAR from the NIM Server**

**Purpose: This procedure is useful when you have issues with a server that hangs during boot . It is also useful if you need to login as root on console and don’t have the root password or the logon just hangs. This procedure will allow you to access the root volume to modify files to resolve boot issues.**

**On the NIM** server using WSM select Network Installation, then Machines, then your host. Right click on host and go into Install Operating Systems.

Select the following:

Installation Type: rte

SPOT: spot5300-03

Lpp\_source: aix 530

Accept new license agreements and click OK.

**Then on HMC**, the host will have to boot into SMS.

On SMS menu,

Select Install/Boot

Select Network

Select adapter

Select Service Boot

Then ok or continue….

System does a bootp (see note if problems doing bootp) and after a couple of minutes you’ll see select console and select language options. Then another menu, select Start Maint mode for System Recovery.

Then all the disks on the system appear bunched in volume groups. You need to select the disks that contain the OS. Forget about the hdisk numbers cause that usually doesn’t match. Usually it’s the volume that has two disks in it since we mirror the root volume. If you have a system with only os disks on it then you are given just one choice and it’s easy. When you select the disks, it will display the lvs on them …hd6, hd8 etc.. Then you know you have selected the root volume and continue.

Select access a rootvolume group and start a shell.

It throws you into a command prompt and now you can do whatever you need to do.

When your done type reboot at the command prompt.

**Note**: bootp problems - check the shares on the NIM server. You may need to unexport shares by running exportfs –u xxxx and then reset the nim state and cleanup failed installation, then start over again.