**Helpful:**

<http://unixadminguide.blogspot.com/2014/04/restore-or-install-aix-with-mksysb.html>

<http://aix4admins.blogspot.com/2011/05/mksysb-this-resource-is-file-containing.html>

Good troubleshoot doc:

<https://www-304.ibm.com/support/docview.wss?uid=isg3T1012561>

**Define client LPAR and perform mksysb from NIM server:**

If client LPAR is not defined on the NIN sever run this from client:

niminit -a name=<lpar> -a master=bprdeaxnim01 -a pif\_name=en0 -a platform=chrp -a connect=nimsh -a netboot\_kernel=mp

pif\_name is the clients network interface name. This will start nimsh on the client which is needed for this to work.

Check it:

lsnim -l <client\_name>

*< put here: how to do this from NIM server so there is no need to loging to client >*

**Mksysb pull from Client:**

Edit the /etc/exclude.rootvg file to trim the size of the mksysb image.

Run the comand to make the image but check the size first, if size looks OK, run again without the preview option:

bprdeaxnim01$ nim -o define -t mksysb -a server=master -a source=<lpar> -a size\_preview=yes -a mk\_image=yes -a mksysb\_flags=-e \

-a location=/export/images/mksysb.<lpar> mksysb\_blah

**Only if there is no SPOT that matches the mksysb** **OS Level,**  Create the SPOT from the mksysb:

nim -o define -t spot -a server=master -a location=/export/spot -a source=mksysb\_axdedifm axdedifm\_5300-12\_spot

lsnim -l axdedifm\_5300-12\_spot

sanity check:

nim -o fix\_query axdedifm\_5300-12\_spot | grep ML

**Initiate the bos install for server recover using the mksysb for the server you are restoring and SPOT that matches the OS Level of the mksysb:**

smitty nim\_bosinst

say no on these 2 options,:

Initiate reboot and installation now?         [no]

-OR-

Set bootlist for installation at the next reboot?    [no]

**Perform the install from the client**

Boot client into SMS mode using HMC and select the option 2 ( Setup IPL) and select the Ethernet adapter that is configured ( if you don’t know might have to try them all )

At the next screen setup the IP parameters, Adapter Config ( turn spanning tree off ) , and do the ping test. The ping test must work for this to work

Go back to the main menu and select 5 for boot options

Select 1 Select Install/Boot Device and Select 6 for Network. Then Select Network Adapter from previous step as option 2. Select Normal Mode Boot and Select 1 to Exit System Management Services

Wait for the BOOTP process to load the kernel. Watch the LED codes to see whats going on. Check the LPAR resource to see the progress or any errors:

lsnim -l < lpar>

If all goes well you we get the normal install screens, you can except the defaults or optionally change Install settings ( Disks to install on etc) :

Type menu item number and press Enter or select Navigation key:

Welcome to Base Operating System Installation and Maintenance

Type the number of your choice and press Enter. Choice is indicated by >>>.

>>> 1 Start Install Now with Default Settings

2 Change/Show Installation Settings and Install

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