If you are not using NIM and are editing the existing /image.data file then taking a new mksysb backup

make sure you follow these guidelines :

- If you are using the 'mksysb' command to create the mksysb backup then, in a separate step, using the

mkdvd command to burn the ISO image, do not use the "-i" flag with the mksysb command.

- If you are using the 'mkdvd' command to create the mksysb to dvd in 1 step then use the " -i

/image.data" option to specify using the existing edited image.data file, otherwise the process will run the

'mkszfile' command which will auto-update the image.data file to reflect the current rootvg (which

essentially would remove your editing out of the mirroring).

Hi storm

Thanks for your response. I figured it had something to do with the disk mirroring. So what I did was manually

edit the image.data and bosinst.data. removing any references to the mirrored disk (hdisk 1 in my case) as you

suggested below. previously I only edited bosinst.data thinking that would do the trick. I will give it a try

Also note that we are not using NIM right now. We have a very old NIM server that we are going to upgrade soon

but no time right now. I have installed AIX from solely a mksysb DVD in the past successfully but it has been a while

Jim :

Good day Jim, I'm with IBM AIX Software Support writing in reference to your PMR regarding your NIM

mksysb clone. I saw the uploaded screen shots showing the errors when creating hd5. This would

indicate that your mksysb/rootvg is mirrored. This being the case you have 3 options :

1. Restore to the same number of disks that the source mksysb was taken from.

2. Break mirroring on the existing rootvg and create a new mksysb.

3. Pull the image.data file out of your current mksysb, break mirroring manually, and create an

image\_data resource in NIM to use during the install.

Instructions for option 3 :

- Reset and deallocate

# nim -Fo reset <client>

# nim -o deallocate -a subclass=all <client>

- Restore the image.data file from the mksysb

# cd <mksysb file location>

# restore -xqvf <mksysb file name> ./image.data

- Manually remove mirroring

# vi image.data

In this file you'll scroll down until you get to the first "lv\_data" stanza which will look similar to this :

lv\_data:

VOLUME\_GROUP= rootvg

LV\_SOURCE\_DISK\_LIST= hdisk0

LV\_IDENTIFIER= 000048ed00004c000000013b114100a7.1

LOGICAL\_VOLUME= hd5

VG\_STAT= active/complete

TYPE= boot

MAX\_LPS= 512

COPIES= 1

LPs= 1

STALE\_PPs= 0

INTER\_POLICY= minimum

INTRA\_POLICY= edge

MOUNT\_POINT=

MIRROR\_WRITE\_CONSISTENCY= on/ACTIVE

LV\_SEPARATE\_PV= yes

PERMISSION= read/write

LV\_STATE= closed/syncd

WRITE\_VERIFY= off

PP\_SIZE= 256

SCHED\_POLICY= parallel

PP= 1

BB\_POLICY= non-relocatable

RELOCATABLE= no

UPPER\_BOUND= 32

LABEL= primary\_bootlv

MAPFILE=

LV\_MIN\_LPS= 1

STRIPE\_WIDTH=

STRIPE\_SIZE=

SERIALIZE\_IO= no

FS\_TAG=

DEV\_SUBTYP=no

You'll have an lv\_data stanza for each logical volume in the rootvg. For every lv\_data stanza you are

going to change 2 fields :

COPIES= 2

PP= 2

-to-

COPIES= 1

PP= 1

So basically you're changing the copies=2 to 1 and cutting the PP=## in half....so if the PP=100 you'll

change it to 50...etc.

If you have any logical voumes that are not mirrored, (already shows COPIES=1) then you can leave it

alone and go on to the next one.

After you have changed all of the "lv\_data" stanzas you'll save and exit the file.

- Create an image\_data resource from that file

# nim -o define -t image\_data -a server=master -a location=<path to edited image.data file>

image\_data\_nomirror

When you rerun your nim\_bosinst operation you'll select your mksysb, spot, and also the newly created

image\_data resource for the install.