Restoring 128 Port Adapter Configuration After mksysb

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About This Document

This document addresses the failure of a mksysb restore to recreate the exact configuration of the 128 port adapter. This document applies to both AIX 3.2.x and 4.1.x but cannot be used to migrate the configuration from 3.2 to 4.1.

Possible reasons are:

1. The rans are configured in bus order, this may be different than the original order. This results in the tty's and printers being assigned to different physical devices.
2. Remote rans are not restored due to cfgmgr not finding the rans during the rebuild process.

   Note: This assumes that no hardware has been moved nor added. For instance, the 128 port adapters are in the same slots and the rans remain in their original position. This also assumes that tty's and lp's have not been given any unique naming.

Steps

1. Place the mksysb tape in the tape drive and run the following:

```
   cd /tmp

for AIX 3.2.5
   tctl -f /dev/rmt0.1 fsf 3
   tar -xvf /dev/rmt0 ./etc/objrepos

for AIX 4.x
   restore -s4 -xdvf /dev/rmt0.1 ./etc/objrepos
```

2. Change the ODMDIR pointer to the new temporary ODM database and extract the needed information.

```
export ODMDIR=/tmp/etc/objrepos

odmget -q "name like tty*"  CuAt >>tty.out
odmget -q "name like tty*"  CuDv >>tty.out
odmget -q "name like lp*"   CuAt >>lp.out
odmget -q "name like lp*"   CuDv >>lp.out
odmget -q "name like sa*"   CuAt >>sa.out
odmget -q "name like sa*"   CuDv >>sa.out
odmget -q "name like cxma*" CuDv >cxma.out
odmget -q "name like cxma*" CuAt >>cxma.out
```

3. Change the ODMDIR pointer back to the original database and delete entries we are going to be changing:

```
export ODMDIR=/etc/objrepos

odmdelete -o CuDv -q   "name like tty*"
odmdelete -o CuAt -q   "name like tty*"
odmdelete -o CuDvDr -q "value3 like tty*"
odmdelete -o CuAt -q   "name like lp*"
odmdelete -o CuDv -q   "name like lp*"
odmdelete -o CuDvDr -q "value3 like lp*"
odmdelete -o CuAt -q   "name like sa*"
odmdelete -o CuDv -q   "name like sa*"
odmdelete -o CuAt -q   "name like cxma*"
odmdelete -o CuDv -q   "name like cxma*"
```

4. Next, add the saved pieces back in:

```
odmadd lp.out
odmadd tty.out
odmadd sa.out
odmadd cxma.out
```

5. Save the base configuration to the boot disk and reboot. Upon reboot, missing /dev and /etc/inittab entries will be created.

```
savebase
shutdown -Fr.
```

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