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Create an ISO image of bxaix85 from an existing mksysb file

I had already created a mksysb file of bxaix85 in /usr/sap/put/bxaix85-mksysb.

```
root@bxaix85 /usr/sap/put # mkcd -L -S -I /usr/sap/put/image -m /usr/sap/put/bxaix85-mksysb
Initializing mkcd log: /var/adm/ras/mkcd.log...
Verifying command parameters...
Creating temporary file system: /mkcd/cd_fs...
Populating the CD or DVD file system...
Building chrp boot image...
Copying backup to the CD or DVD file system...
...
Creating Rock Ridge format image: /usr/sap/put/image/cd_image_712892
Running mkisofs ...
....
mkrr_fs was successful.

Making the CD or DVD image bootable...

Removing temporary file system: /mkcd/cd_fs...

root@bxaix85 /usr/sap/put # ls -ltr
total 4369112
drwxr-xr-x  2 root    system      256 Aug 20 10:31 lost+found
-rw-r--r--  1 root    system 2236979200 Dec 10 09:16 bxaix85-mksysb
drwxr-xr-x  2 root    system      256 Dec 10 09:23 image
```

- Confirm the ISO image has been created.

```
root@bxaix85 /usr/sap/put # cd image
root@bxaix85 /usr/sap/put/image # ls -ltr
total 4483256
-rw-r--r--  1 root    system 2295425024 Dec 10 09:24 cd_image_712892
```

- Copy the image to the VIOS virtual media library directory.

```
# df -m .
Filesystem      MB blocks    Free %Used    Iused %Iused Mounted on
/dev/VMLibrary_LV 7168.00    2768.93   62%         6      1% /var/vio/VMLibrary

# scp 10.3.29.160:/usr/sap/put/image/cd_image_712892 .
root@10.3.29.160's password:
cd_image_712892                                100% 2189MB  40.5MB/s   00:54

# ls -ltr
total 13432312
drwxr-xr-x  2 root    system      256 Dec 03 11:08 lost+found
-rw-r--r--  1 root    staff 3857645568 Dec 04 08:53 AIX61_DVD_1.iso
-rw-r--r--  1 root    staff 724271104 Dec 04 10:09 AIX61_DVD_2.iso
-rw-r--r--  1 root    staff 2295425024 Dec 10 09:33 cd_image_712892
```

- Rename the image to a more meaningful name.

```
# mv cd_image_712892 bxaix85_mksysb.iso

# ls -ltr
total 13432312
drwxr-xr-x  2 root    system      256 Dec 03 11:08 lost+found
-rw-r--r--  1 root    staff 3857645568 Dec 04 08:53 AIX61_DVD_1.iso
-rw-r--r--  1 root    staff 724271104 Dec 04 10:09 AIX61_DVD_2.iso
-rw-r--r--  1 root    staff 2295425024 Dec 10 09:33 bxaix85_mksysb.iso
```

- Map a virtual optical device to the client LPAR.

```
$ lsmmap -vadaptor vhost1
SVSA          Physloc          Client Partition ID
-----
vhost1        U7998.61X.10071DA-V1-C13      0x00000000

VTD            vtscsi3
Status         Available
LUN            0x8100000000000000
Backing device lp2vd1
Physloc
```

```
$ mkvdev -fbo -vadapter vhost1
vtopt0 Available

$ lsmap -vadapter vhost1
SVSA          Physloc          Client Partition ID
-----
vhost1        U7998.61X.10071DA-V1-C13  0x00000000

VTD           vtopt0
Status        Available
LUN           0x8200000000000000
Backing device
Physloc

VTD           vtscsi3
Status        Available
LUN           0x8100000000000000
Backing device lp2vd1
Physloc

$ lsrep
Size(mb) Free(mb) Parent Pool      Parent Size  Parent Free
7139      579  rootvg          139776       57344

Name          File Size Optical Access
AIX61_DVD_1.iso      3679 None    rw
AIX61_DVD_2.iso      691 None    rw
bxaix85_mkysyb.iso   2190 None    rw

$ loadopt -f -vtd vtopt0 -disk bxaix85_mkysyb.iso

$ lsmap -vadapter vhost1
SVSA          Physloc          Client Partition ID
-----
vhost1        U7998.61X.10071DA-V1-C13  0x00000000

VTD           vtopt0
Status        Available
LUN           0x8200000000000000
Backing device /var/vio/VMLibrary/bxaix85_mkysyb.iso
Physloc

VTD           vtscsi3
Status        Available
LUN           0x8100000000000000
Backing device lp2vd1
Physloc
```

- Boot the LPAR from the virtual "SCSI CD" and install the image as "normal".
- On the VIOS you will see the fbdisk_io process.

From:
<https://unix.ndlp.info/> - **Where there is a shell, there is a way**

Permanent link:
https://unix.ndlp.info/doku.php/informatique:nix:ibm:ibm:ibm_aix_nim_iso

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