



```
sed 's/COPIES= [2-3]/COPIES= 1/g' /image.data > /image.data.one_copy
nohup alt_disk_copy -B -i /image.data.one_copy -d hdisk6 > clonelog.log &
```

Optional: PV VG ?

```
exportvg hdisk6
```

## 2.Boot Image Verification

hd5

```
root@aixvm:> lslv -m hd5

hd5:N/A
LP      PP1  PV1          PP2  PV2          PP3  PV3
0001   0001 hdisk0
```

## 3.Firmware

It is recommended to check and update the firmware level when a technology level update is being considered. In general, it's best to apply firmware updates before software updates, but that is not always the case.

## 4.Fileset Consistency

Ideally, it returns to the command line with no output. If you receive output and are unfamiliar with how to resolve it, call the support center for assistance before running your update.

```
lppchk -v
```

## Install the fixpacks

H11072988.iso

```
mkdir /mnt/iso
loopmount -i H11072988.iso -o "-V cdrfs -o ro" -m /mnt/iso
```

## 1. Commit Applied Software Updates

```
commit
```



## Post checks

### Check the Technology Level (TL) and Service Pack (SP)

```
# Check TL
oslevel -r

# Check SP
oslevel -s
```

### Check Fileset Consistency

```
# Ideally, it returns to the command line with no output.
lppchk -v
```

### Interim Fix (APAR)

URL to check the APAR number

[https://www.ibm.com/support/pages/apar/\[apar number\]](https://www.ibm.com/support/pages/apar/[apar number])

### Interim fix installation

```
# List all interim fixes on the system
emgr -l
emgr -l IJ50602m7a

# Preview & Install an interim fix package
emgr -p -e IJ50602m7a.240409.epkg.Z
emgr -X -e IJ50602m7a.240409.epkg.Z
```

## FAQ

### EFIX MANAGER LOCKS

“ EFIX MANAGER LOCKS

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\* \* \* ATTENTION \* \* \*

The following selected filesets are locked by EFIX manager:

```
bos.rte.control
```

installp has halted this operation because one or more files in the filesets listed above are registered as having an EFIX. You must remove these EFIXES before performing operations on the given fileset.

To get a listing of all locked filesets and the locking EFIX label, execute the following command:

```
# /usr/sbin/emgr -P
```

To remove the given EFIX, execute the following command:

```
# /usr/sbin/emgr -r -L <EFIX label>
```

For more information on EFIX management please see the emgr man page and documentation.

## Solution:

```
# List the EFIX installed
emgr -l

# List the EFIX locked
emgr -P

# Remove the EFIX locked
emgr -r -L <EFIX label>
```

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