

# AIX LVM

## PV

```
# Add a disk hdisk3 to a PV
## NOTE:  disk PV lsvg lsvg pv-id
csvgmgr
chdev -l hdisk3 -a pv=yes
lsvg

# Remove a PV from a disk hdisk3
## If done, the pv-id appears 'none'
chdev -l hdisk3 -a pv=clear
lsvg

#  PV
lsvg -M hdisk0

#  PV LVs
lsvg -l hdisk0

# Check the hdisk VendorId/size
lsmpio -q
```

## VG

```
# Create VG with 128M(PP size)
mkvg -y <vg-name> -s 128 hdisk1 hdisk2

# Add PVs hdisk3, hdisk4 to specific VG
extendvg <vg-name> hdisk3 hdisk4

# Remove a VG with PVs hdisk3, hdisk4
reducevg <vg-name> hdisk3 hdisk4
```

## LV

```
# Create LV with 5G
## mklv -y <lv-name> -t jfs2 <vg-name> [LP-number|GB-size]
/usr/sbin/mklv -y'siview_lv' -tjfs2 smapvg 80
/usr/sbin/mklv -y'siview_lv' -tjfs2 smapvg 10G

# Remove a LV
rmlv <lv-name>
```

## Filesystem

```
# Create a filesystem with /data
## -A: Whether the filesystem is mounted at each system restart.
## crfs -v jfs2 -A yes -d <lv-name> -m <mount-point> -a logname=INLINE
/usr/sbin/crfs -v 'jfs2' -A'yes' -d'siview_lv' -m'/home/siview' -a logname=INLINE
mount /home/siview

# Extend the size of 1024MB for specified filesystem
chfs -a size=+1024M /home
## Alternatively, resizing to specified number
chfs -a size=2048M /home

# Remove a filesystem
## Check if the mount-point has been closed/syncd
lslv -l <vg-name>
rmfs <mount-point>
```

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