

mirror 된 OS disk 분리하여 다른 시스템에 장착하여 mirror 해제
혹은 디스크 없이 강제 mirror 해제

다른 시스템으로 이동 후 메뉴얼 booting

```
root@marin:~/#lvmboot -v
```

```
lvmboot: Couldn't query physical volume "/dev/dsk/c2t0d0s2":
```

```
The specified path does not correspond to physical volume attached to  
this volume group
```

```
root@marin:~/#
```

```
root@marin:~/#lvdisplay -v /dev/vg00/lvol5 ( 예를 들어 5 로 해놓았음 )
```

```
lvdisplay: Warning: couldn't query physical volume "/dev/dsk/c2t0d0s2":
```

```
The specified path does not correspond to physical volume attached to  
this volume group
```

```
lvdisplay: Warning: couldn't query all of the physical volumes.
```

```
--- Logical volumes ---
```

```
LV Name          /dev/vg00/lvol5
```

```
VG Name          /dev/vg00
```

```
LV Permission    read/write
```

```
LV Status        available/stale
```

```
Mirror copies      1
```

```
Consistency Recovery  MWC
```

```
Schedule         parallel
```

```
LV Size (Mbytes)   8000
```

```
Current LE        1000
```

```
Allocated PE      2000
```

```
Stripes           0
```

```
Stripe Size (Kbytes) 0
```

```
Bad block         on
```

```
Allocation        strict
```

```
IO Timeout (Seconds) default
```

```
--- Distribution of logical volume ---
```

```
PV Name          LE on PV  PE on PV
```

```
/dev/dsk/c2t1d0s2 1000      1000
```

```
--- Logical extents ---
```

```
LE   PV1          PE1   Status 1 PV2          PE2   Status 2
```

```
00000 ???          02675 stale   /dev/dsk/c2t1d0s2 02675 current
```

```

00001 ???                02676 stale    /dev/dsk/c2t1d0s2 02676 current
00002 ???                02677 stale    /dev/dsk/c2t1d0s2 02677 current
00003 ???                02678 stale    /dev/dsk/c2t1d0s2 02678 current
00004 ???                02679 stale    /dev/dsk/c2t1d0s2 02679 current
00005 ???                02680 stale    /dev/dsk/c2t1d0s2 02680 current
00006 ???                02681 stale    /dev/dsk/c2t1d0s2 02681 current
00007 ???                02682 stale    /dev/dsk/c2t1d0s2 02682 current
00008 ???                02683 stale    /dev/dsk/c2t1d0s2 02683 current
00009 ???                02684 stale    /dev/dsk/c2t1d0s2 02684 current

```

이부분의 ??? 가 들어감

root@marin:~/#lvreduce -m 0 -k /dev/vg00/lvol5 ??? 이와 같은 방법으로 이전 mirror 걸린 lvol 해
제시킴

Logical volume "/dev/vg00/lvol5" has been successfully reduced.

lvlnboot: Warning: couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

lvlnboot: Warning: couldn't query all of the physical volumes.

vgcfgbackup: Warning: couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

vgcfgbackup: Warning: couldn't query all of the physical volumes.

vgcfgbackup: Couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

vgcfgbackup: Couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

root@marin:~/#lvdisplay -v /dev/vg00/lvol5

lvdisplay: Warning: couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

lvdisplay: Warning: couldn't query all of the physical volumes.

--- Logical volumes ---

LV Name /dev/vg00/lvol5

VG Name /dev/vg00

LV Permission read/write

LV Status available/syncd

Mirror copies 0

Consistency Recovery MWC

```

Schedule                parallel
LV Size (Mbytes)        8000
Current LE               1000
Allocated PE             1000
Stripes                  0
Stripe Size (Kbytes)    0
Bad block                on
Allocation                strict
IO Timeout (Seconds)    default

```

--- Distribution of logical volume ---

```

PV Name          LE on PV  PE on PV
/dev/dsk/c2t1d0s2 1000      1000

```

--- Logical extents ---

```

LE   PV1                PE1   Status 1
00000 /dev/dsk/c2t1d0s2 02675 current
00001 /dev/dsk/c2t1d0s2 02676 current
00002 /dev/dsk/c2t1d0s2 02677 current
00003 /dev/dsk/c2t1d0s2 02678 current
00004 /dev/dsk/c2t1d0s2 02679 current
00005 /dev/dsk/c2t1d0s2 02680 current
00006 /dev/dsk/c2t1d0s2 02681 current
00007 /dev/dsk/c2t1d0s2 02682 current
00008 /dev/dsk/c2t1d0s2 02683 current
00009 /dev/dsk/c2t1d0s2 02684 current
00010 /dev/dsk/c2t1d0s2 02685 current
00011 /dev/dsk/c2t1d0s2 02686 current
00012 /dev/dsk/c2t1d0s2 02687 current
00013 /dev/dsk/c2t1d0s2 02688 current
00014 /dev/dsk/c2t1d0s2 02689 current
00015 /dev/dsk/c2t1d0s2 02690 current
00016 /dev/dsk/c2t1d0s2 02691 current

```

모두 해제하여도 아직 `lvlnboot -v` 는 아래처럼 error 발생함

```
root@marin:~/#lvlnboot -v
```

```
lvlnboot: Couldn't query physical volume "/dev/dsk/c2t0d0s2":
```

```
The specified path does not correspond to physical volume attached to
this volume group
```

아직 lvmtab 에는 해당 disk 가 남아있음

root@marin:/#vgreduce -f vg00 여기서 계속 error 가 발생할 수 있는데 [만약 제거할 disk](#)
에 mirror 가 안걸 린 lvol 이 있었다면 lvremove 로 없애고 해야 함 반대로 만들어 줘야 하는
경우도 생길수 있겠죠~~~

vgreduce: Couldn't query physical volume "/dev/dsk/c2t0d0s2":

The specified path does not correspond to physical volume attached to
this volume group

Not all extents are free. i.e. Out of 4228 PEs, only 3728 are free.

You must free all PEs using lvreduce/lvremove before the PV can be removed.

Example: lvreduce -A n -m 0 /dev/vg01/lvol1.

lvremove -A n /dev/vg01/lvol1

Here's the map of used PEs

--- Logical extents ---

LE	LV	PE	Status 1
0000	lvol1	3675	???
0001	lvol1	3676	???
0002	lvol1	3677	???
0003	lvol1	3678	???
0004	lvol1	3679	???
0005	lvol1	3680	???
0006	lvol1	3681	???
0007	lvol1	3682	???
0008	lvol1	3683	???
0009	lvol1	3684	???
0010	lvol1	3685	???
0011	lvol1	3686	???
0012	lvol1	3687	???
0013	lvol1	3688	???
0014	lvol1	3689	???
0015	lvol1	3690	???

root@marin:/#strings /etc/lvmtab

/dev/vg00

/dev/dsk/c2t0d0s2

/dev/dsk/c2t1d0s2

root@marin:/#mv /etc/lvmtab /etc/lvmtab.ORG

```
root@marin:~#ll /etc/lvmtab
/etc/lvmtab not found
root@marin:~#vgscan -v
Creating "/etc/lvmtab".
vgscan: Couldn't access the list of physical volumes for volume group "/dev/vg00".
Couldn't stat physical volume "/dev/dsk/c0t0d0":
Invalid argument
```

```
/dev/vg00
/dev/dsk/c2t1d0s2
```

Scan of Physical Volumes Complete.

```
root@marin:~#strings /etc/lvmtab
/dev/vg00
/dev/dsk/c2t1d0s2
root@marin:~#lvinboot -v
Boot Definitions for Volume Group /dev/vg00:
Physical Volumes belonging in Root Volume Group:
    /dev/dsk/c2t1d0s2 (0/1/1/0.1.0) -- Boot Disk
Unable to query the I/O interface: Parameter error.
lvinboot: Unable to print reliable information.
```

만약 `lvinboot -v` 했을 때 위처럼 나오면 아래의 명령을 해줘야함

```
root@marin:~#bdf          해당 lvol 확인
Filesystem                kbytes    used    avail %used Mounted on
/dev/vg00/lvol3           10240000 2686904 7494144   26% /
/dev/vg00/lvol1            311296   65136  244280   21% /stand
/dev/vg00/lvol5            8192000 1821144 6322832   22% /var
/dev/vg00/lvol4            7168000 1829768 5296536   26% /opt
root@marin:~#lvinboot -b /dev/vg00/lvol1
Volume Group configuration for /dev/vg00 has been saved in /etc/lvmconf/vg00.conf
root@marin:~#lvinboot -r /dev/vg00/lvol3
```

Volume Group configuration for /dev/vg00 has been saved in /etc/lvmconf/vg00.conf

```
root@marin:~#lvmboot -s /dev/vg00/lvol2
```

Volume Group configuration for /dev/vg00 has been saved in /etc/lvmconf/vg00.conf

```
root@marin:~#lvmboot -d /dev/vg00/lvol2
```

Volume Group configuration for /dev/vg00 has been saved in /etc/lvmconf/vg00.conf

```
root@marin:~#
```

```
root@marin:~#lvmboot -v
```

Boot Definitions for Volume Group /dev/vg00:

Physical Volumes belonging in Root Volume Group:

 /dev/dsk/c2t1d0s2 (0/1/1/0.1.0) -- Boot Disk

Boot: lvol1 on: /dev/dsk/c2t1d0s2

Root: lvol3 on: /dev/dsk/c2t1d0s2

Swap: lvol2 on: /dev/dsk/c2t1d0s2

Dump: lvol2 on: /dev/dsk/c2t1d0s2, 0

참고로 /stand/bootconf file 에 이전 disk 등록이 되어있으면 제거하여주어야함

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만약 lvmstab 을 mv 하지 않고 하면 아래log 나옴

[돌아가기](#)

```
root@marin:~#vgreduce -f vg00
```

```
vgreduce: Couldn't query physical volume "/dev/dsk/c2t0d0s2":
```

```
The specified path does not correspond to physical volume attached to
this volume group
```

```
PV with key 0 sucessfully deleted from vg vg00
```

```
Repair done, please do the following steps.....:
```

1. save /etc/lvmtab to another file
2. remove /etc/lvmtab
3. use vgscan(1m) -v to re-create /etc/lvmtab
4. NOW use vgcfgbackup(1m) to save the LVM setup