

172.21.0.71 - PuTTY

```
root@aix71:/] d^?^?
ksh: d^?^?: not found.
root@aix71:/] lsdev -Cc disk
hdisk0      Available 02-08-00 SAS Disk Drive
hdisk1      Available 02-08-00 SAS Disk Drive
hdisk2      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk3      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk4      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk5      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk6      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk7      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdiskdpdctrl Available          DynaPath Multipath Device
root@aix71:/] cfgmgr -v █
```

기존 hdisk 넘버 확인 후 cfgmgr -v 명령어 실행하여
TimeView 디스크 스캔

1/2.21.0.1 - Putty

```
root@aix71:/] lsdev -Cc disk
hdisk0      Available 02-08-00 SAS Disk Drive
hdisk1      Available 02-08-00 SAS Disk Drive
hdisk2      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk3      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk4      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk5      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk6      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk7      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk8      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk9      Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk10     Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk11     Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk12     Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdisk13     Available 03-00-02 Falconstor IPStor Disk Drive For MPIO
hdiskpdctrl Available          DynaPath Multipath Device
root@aix71:/]
```

새롭게 붙은 Snapshot 볼륨 hdisk8~13 확인

```
root@aix71:/] chdev -l hdisk8 -a pv=clear
hdisk8 changed
root@aix71:/] chdev -l hdisk9 -a pv=clear
hdisk9 changed
root@aix71:/] chdev -l hdisk10 -a pv=clear
hdisk10 changed
root@aix71:/] chdev -l hdisk11 -a pv=clear
hdisk11 changed
root@aix71:/] chdev -l hdisk12 -a pv=clear
hdisk12 changed
root@aix71:/] chdev -l hdisk13 -a pv=clear
hdisk13 changed
root@aix71:/] █
```

chdev -l hdisk8~13 -a pv=clear 명령어로
PVID clear 진행

```
root@aix71:/] lsvg
hdisk0      00ccc31264fb9127          rootvg      active
hdisk1      00ccc312798dfcc4          rootvg      active
hdisk2      00ccc312964b6e7e          newtestvg   active
hdiskdpctrl none                   None        None
hdisk3      00ccc312965e61a6          newtestvg   active
hdisk4      00ccc3129738ae6e          newtestvg   active
hdisk5      00ccc3129738d716          newtestvg   active
hdisk6      00ccc3129738e349          newtestvg   active
hdisk7      00ccc3129747704f          newtestvg   active
hdisk8      none                   None        None
hdisk9      none                   None        None
hdisk10     none                   None        None
hdisk11     none                   None        None
hdisk12     none                   None        None
hdisk13     none                   None        None
root@aix71:/] █
```

Disk PVID Clear 정상 확인

```
root@aix71:/] lspv
hdisk0          00ccc31264fb9127          rootvg      active
hdisk1          00ccc312798dfcc4          rootvg      active
hdisk2          00ccc312964b6e7e          newtestvg   active
hdiskpdctrl    none                     None        None
hdisk3          00ccc312965e61a6          newtestvg   active
hdisk4          00ccc3129738ae6e          newtestvg   active
hdisk5          00ccc3129738d716          newtestvg   active
hdisk6          00ccc3129738e349          newtestvg   active
hdisk7          00ccc3129747704f          newtestvg   active
hdisk8          none                     None        None
hdisk9          none                     None        None
hdisk10         none                     None        None
hdisk11         none                     None        None
hdisk12         none                     None        None
hdisk13         none                     None        None
root@aix71:/] recreatevg -f -y newtestvgl hdisk8 hdisk9 hdisk10 hdisk11 hdisk12 hdisk13
newtestvgl
root@aix71:/]
```

recreatevg -f -y newtestvg1(새로운VG이름) hdisk8 ~ hdisk13
명령어를 이용 recreatevg 진행

```

root@aix71:/] lspv
hdisk0          00ccc31264fb9127           rootvg      active
hdisk1          00ccc312798dfcc4           rootvg      active
hdisk2          00ccc312964b6e7e           newtestvg   active
hdiskdpctrl    none                      None        None
hdisk3          00ccc312965e61a6           newtestvg   active
hdisk4          00ccc3129738ae6e           newtestvg   active
hdisk5          00ccc3129738d716           newtestvg   active
hdisk6          00ccc3129738e349           newtestvg   active
hdisk7          00ccc3129747704f          newtestvg   active
hdisk8          00ccc3129766622c          newtestvgl  active
hdisk9          00ccc31297666300          newtestvgl  active
hdisk10         00ccc312976663b8           newtestvgl  active
hdisk11         00ccc3129766646c           newtestvgl  active
hdisk12         00ccc31297666520           newtestvgl  active
hdisk13         00ccc312976665d8           newtestvgl  active
root@aix71:/] lsvg -l newtestvgl
newtestvgl:
LV NAME          TYPE     LPs    PPs    PVs   LV STATE    MOUNT POINT
fsnewtestlv     jfs2      1      1      1    closed/syncd /fs/newtest
fsloglv04       jfs2log   1      1      1    closed/syncd N/A
fsnewtestlvl1   jfs2      1      1      1    closed/syncd /fs/newtest1
fsnewtestlv2     jfs2      1      1      1    closed/syncd /fs/newtest2
fsnewtestlv3     jfs2      1      1      1    closed/syncd /fs/newtest3
fsnewtestlv4     jfs2      1      1      1    closed/syncd /fs/newtest4
fsnewtestlv5     jfs2     22     22     1    closed/syncd /fs/newtestlv5
root@aix71:/] 

```

Snapshot 볼륨 마운트 포인트 확인

*snapshot 볼륨들은 Mount Point 앞에 /fs 붙음

```
root@aix71:/] lsvg -l newtestvgl
newtestvgl:
LV NAME          TYPE     LPs    PPs    PVs   LV STATE    MOUNT POINT
fsnewtestlv      jfs2      1      1      1    closed/syncd /fs/newtest
fsloglv04        jfs2log   1      1      1    closed/syncd N/A
fsnewtestlvl1    jfs2      1      1      1    closed/syncd /fs/newtest1
fsnewtestlvl2    jfs2      1      1      1    closed/syncd /fs/newtest2
fsnewtestlvl3    jfs2      1      1      1    closed/syncd /fs/newtest3
fsnewtestlvl4    jfs2      1      1      1    closed/syncd /fs/newtest4
fsnewtestlvl5    jfs2      22     22     1    closed/syncd /fs/newtestlv5
root@aix71:/] mount /fs/newtest2
Replaying log for /dev/fsnewtestlvl2.
root@aix71:/] cd /fs/newtest2
root@aix71:/fs/newtest2] ls
file4      file5      file6      lost+found
root@aix71:/fs/newtest2] █
```

그 후 복구를 원하는 볼륨 mount 후 파일 복원

```

root@aix71:/fs/newtest2] df -g
Filesystem   GB blocks      Free %Used   Iused %Iused Mounted on
/dev/hd4        6.00     2.64    57%    22373     4% /
/dev/hd2        4.00     1.44    65%    49615    13% /usr
/dev/hd9var     2.00     1.66    17%    6277     2% /var
/dev/hd3        2.00     1.84     9%    263     1% /tmp
/dev/fwdump     0.75     0.75     1%      4     1% /var/adm/ras/platform
/dev/hd1        0.25     0.25     1%      7     1% /home
/dev/hd1ladmin   0.25     0.25     1%      7     1% /admin
/proc           -         -       -      -      - /proc
/dev/hd10opt    0.50     0.27    46%    2822     4% /opt
/dev/livedump   0.25     0.25     1%      4     1% /var/adm/ras/livedump
/dev/lvinst     15.00    1.19    93%   1662     1% /inst
/dev/newtestlv  0.02     0.02     3%      8     1% /newtest
/dev/newtestlv1 0.02     0.02     3%      8     1% /newtest1
/dev/newtestlv2 0.02     0.02     3%      7     1% /newtest2
/dev/newtestlv3 0.02     0.02     3%      7     1% /newtest3
/dev/newtestlv4 0.02     0.02     3%      7     1% /newtest4
/dev/newtestlv5 0.34     0.34     1%      7     1% /newtest5
/dev/fsnewtestlv2 0.02     0.02     3%      7     1% /fs/newtest2
root@aix71:/fs/newtest2] umount /fs/newtest2
umount: 0506-349 Cannot unmount /dev/fsnewtestlv2: The requested resource is busy.
root@aix71:/fs/newtest2] umount -f /fs/newtest2
forced unmount of /fs/newtest2
forced unmount of /fs/newtest2
root@aix71:/fs/newtest2] █

```

복구가 끝나면 mount 된 볼륨 umount
오류시 -f 옵션으로 강제 umount 실행

```
root@aix7l:/fs/newtest2] varyoffvg newtestvg1  
root@aix7l:/fs/newtest2] exportvg newtestvg1
```

```
#varyoffvg newtestvg1  
#exportvg newtestvg1
```

신규 vg 비활성