


```
$> pvcreate /dev/sdc
```

```
Physical volume "/dev/sdc" successfully created.
```

2. pv ☐ ☐

1. ☐ ☐

```
$> pvdisplay
```

```
--- Physical volume ---
```

PV Name	/dev/sdb
VG Name	content_vg
PV Size	<3.64 TiB / not usable <1.72 MiB
Allocatable	yes (but full)
PE Size	4.00 MiB
Total PE	953479
Free PE	0
Allocated PE	953479
PV UUID	QnstsS-xBJ0-Qv0l-RFan-SgaA-z3Fg-RJrZK8

2. ☐ ☐

```
$> pvdisplay
```

```
--- Physical volume ---
```

PV Name	/dev/sdb
VG Name	content_vg
PV Size	<3.64 TiB / not usable <1.72 MiB
Allocatable	yes (but full)
PE Size	4.00 MiB
Total PE	953479
Free PE	0
Allocated PE	953479
PV UUID	QnstsS-xBJ0-Qv0l-RFan-SgaA-z3Fg-RJrZK8

```
--- Physical volume ---
```

PV Name	/dev/sdc
VG Name	content_vg
PV Size	500.00 GiB / not usable 4.00 MiB
Allocatable	yes (but full)

PE Size	4.00 MiB
Total PE	127999
Free PE	0
Allocated PE	127999
PV UUID	Bsm9b5-DZTB-2iWr-6RH0-6uly-canP-SOhMeC

3. Volume Group

```
$> vgextend content_vg /dev/sdc
Volume group "content_vg" successfully extended
```

1.

```
$> vgdisplay
--- Volume group ---
VG Name          content_vg
System ID
Format           lvm2
Metadata Areas    1
Metadata Sequence No 5
VG Access         read/write
VG Status         resizable
MAX LV           0
Cur LV          1
Open LV          1
Max PV           0
Cur PV          1
Act PV           1
VG Size          <3.64 TiB
PE Size          4.00 MiB
Total PE         953479
Alloc PE / Size   943718 / <3.60 TiB
Free PE / Size    9761 / <38.13 GiB
VG UUID          liEZ8G-kbcL-l8MD-Ax6m-dWSZ-ZTCd-OvBWff
```

2.

```
$> vgdisplay
--- Volume group ---
VG Name          content_vg
System ID
Format           lvm2
Metadata Areas   2
Metadata Sequence No 6
VG Access        read/write
VG Status        resizable
MAX LV           0
Cur LV          1
Open LV          1
Max PV           0
Cur PV          2
Act PV           2
VG Size          <4.13 TiB
PE Size          4.00 MiB
Total PE         1081478
Alloc PE / Size  943718 / <3.60 TiB
Free PE / Size   137760 / 538.12 GiB
VG UUID          liEZ8G-kbcL-l8MD-Ax6m-dWSZ-ZTCd-OvBWff
```

vg Size 3.64 500G 4.13T . lv
 Alloc PE 3.6T, Free PE 538.12 Gib
 .

4. LV

```
$> lvextend -l +100%FREE /dev/content_vg/content_lv
Size of logical volume content_vg/content_lv changed from <3.60 TiB (943718 extents) to
<4.13 TiB (1081478 extents).
Logical volume content_vg/content_lv successfully resized.
```

100%FREE

1.

```
$> lvdisplay
--- Logical volume ---
```

LV Path	/dev/content_vg/content_lv
LV Name	content_lv
VG Name	content_vg
LV UUID	fhlWVB-0zNY-IcfO-qhu2-iNqV-hk73-0Nwl0N
LV Write Access	read/write
LV Creation host, time	container.igoni.kr, 2023-01-08 17:53:28 +0900
LV Status	available
# open	1
LV Size	<3.60 TiB
Current LE	943718
Segments	1
Allocation	inherit
Read ahead sectors	auto
- currently set to	256
Block device	253:0

2.  

```
$> lvsdisplay
--- Logical volume ---
LV Path                /dev/content_vg/content_lv
LV Name                 content_lv
VG Name                 content_vg
LV UUID                 fhIWVB-0zNY-IcfO-qhu2-iNqV-hk73-0Nwl0N
LV Write Access         read/write
LV Creation host, time container.igoni.kr, 2023-01-08 17:53:28 +0900
LV Status                available
# open                   1
LV Size                 <4.13 TiB
Current LE               1081478
Segments                2
Allocation               inherit
Read ahead sectors      auto
- currently set to      256
Block device             253:0
```

[illegible]

1. xfs_growfs 실행

```
$> xfs_growfs -d /dev/content_vg/content_lv
meta-data=/dev/mapper/content_vg-content_lv isize=512  agcount=4, agsize=241591808 blks
         =                       sectsz=512  attr=2, projid32bit=1
         =                       crc=1      finobt=1, sparse=1, rmapbt=0
         =                       reflink=1   bigtime=0 inobtcount=0
data      =                       bsize=4096  blocks=966367232, imaxpct=5
         =                       sunit=0     swidth=0 blks
naming    =version 2              bsize=4096  ascii-ci=0, ftype=1
log        =internal log          bsize=4096  blocks=471859, version=2
         =                       sectsz=512  sunit=0 blks, lazy-count=1
realtime   =none                  extsz=4096  blocks=0, rtextents=0
data blocks changed from 966367232 to 1107433472
```

2. df -Th 실행 (3.6T -> 4.2T)

```
$> df -Th /data
Filesystem                                Type  Size  Used Avail Use% Mounted on
/dev/mapper/content_vg-content_lv xfs   4.2T  3.3T  881G  80% /data
```

Reference

- <https://m.blog.naver.com/hanajava/220779211465>
- <https://devinegrace.tistory.com/40>
- https://access.redhat.com/documentation/ko-kr/red_hat_enterprise_linux/9/html/managing_file_systems/assembly_increasing-the-size-of-an-xfs-file-system_managing-file-systems
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