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가 /  
OS Disk

가 /

가 .

1. 가 /

```
[root@registry ~]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sr0                                  11:0    1 1024M  0 rom
vda                                  252:0    0  100G  0 disk # <-
    100G
├─vda1                               252:1    0    1G  0 part /boot
└─vda2                               252:2    0   99G  0 part
    ├─rhel_registry-root             253:0    0   97G  0 lvm  / # <-
    │   root
    └─rhel_registry-swap             253:1    0  2.1G  0 lvm  [SWAP]
```

2.

```
[root@registry ~]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sr0                                  11:0    1 1024M  0 rom
vda                                  252:0    0  110G  0 disk # <-
    110G
├─vda1                               252:1    0    1G  0 part /boot
└─vda2                               252:2    0   99G  0 part
    ├─rhel_registry-root             253:0    0   97G  0 lvm  / # <-
    │   root
    └─rhel_registry-swap             253:1    0  2.1G  0 lvm  [SWAP]
```

3.  
growpart

growpart

cloud-utils-

```
[root@registry ~]# dnf -y install cloud-utils-growpart
```

4. 2

growpart

```
[root@registry ~]# growpart /dev/vda 2
growpart /dev/vda 2
CHANGED: partition=2 start=2099200 old: size=207615967 end=209715167 new:
```

```
size=228587487 end=230686687
```

```
[root@registry ~]# lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPPOINT		
sr0	11:0	1	1024M	0	rom			
vda	252:0	0	110G	0	disk			
└─vda1	252:1	0	1G	0	part	/boot		
└─vda2	252:2	0	109G	0	part		# <-	PV
└─rhel_registry-root	253:0	0	97G	0	lvm	/		
└─rhel_registry-swap	253:1	0	2.1G	0	lvm	[SWAP]		

## 5. PV resize .

```
[root@registry ~]# pvs
```

PV	VG	Fmt	Attr	PSize	PFree
/dev/vda2	rhel_registry	lvm2	a--	<99.00g	0

```
[root@registry ~]# pvresize /dev/vda2
```

```
Physical volume "/dev/vda2" changed
```

```
1 physical volume(s) resized or updated / 0 physical volume(s) not resized
```

```
[root@registry ~]# pvs
```

PV	VG	Fmt	Attr	PSize	PFree
/dev/vda2	rhel_registry	lvm2	a--	<109.00g	10.00g

```
[root@registry ~]# vgs
```

VG	#PV	#LV	#SN	Attr	VSize	VFree
rhel_registry	1	2	0	wz--n-	<109.00g	10.00g

## 6. PV resize VG .

```
[root@registry ~]# lvextend -l+100%FREE rhel_registry/root -r
```

```
Size of logical volume rhel_registry/root changed from <96.93 GiB (24814 extents) to <106.93 GiB (27374 extents).
```

```
Logical volume rhel_registry/root successfully resized.
```

```
meta-data=/dev/mapper/rhel_registry-root isize=512 agcount=9, agsize=3075584 blks
```

```
= sectsz=512 attr=2, projid32bit=1
```

```
= crc=1 finobt=1, sparse=1, rmapbt=0
```

```
= reflink=1
```

```
data = bsize=4096 blocks=25409536, imaxpct=25
```

```
= sunit=0 swidth=0 blks
```

```
naming =version 2 bsize=4096 ascii-ci=0, ftype=1
```

```
log =internal log bsize=4096 blocks=6007, version=2
```

```
= sectsz=512 sunit=0 blks, lazy-count=1
realtime =none extsz=4096 blocks=0, rtextents=0
data blocks changed from 25409536 to 28030976
```

```
[root@registry ~]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sr0                                  11:0    1 1024M  0 rom
vda                                  252:0    0  110G  0 disk
├─vda1                               252:1    0    1G   0 part /boot
└─vda2                               252:2    0  109G  0 part
   ├─rhel_registry-root             253:0    0  107G  0 lvm  /
   └─rhel_registry-swap            253:1    0  2.1G  0 lvm  [SWAP]
```

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