

Expand partition and filesystem using Growpart

Resizing /dev/sdb1 to fill all disk space

```
root@server# lsblk
NAME      MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda         8:0    0   40G  0 disk
└─sda1      8:1    0   40G  0 part /
sdb         8:16    0 200G  0 disk
└─sdb1      8:17    0 100G  0 part /mnt/data

root@server# partprobe /dev/sdb
root@server# lsblk

# if this doesn't show newly available disk size, use the following command:
root@server# echo 1 > /sys/class/block/sdb/device/rescan
root@server# lsblk

# install cloud-guest-utils
root@server# apt install cloud-guest-utils -y

# Expand the partition
root@server# growpart /dev/sdb 1

root@server# df -Th /dev/sdb1

# for ext4
root@server# resize2fs /dev/sdb1

# for xfs (you must give mount point, not the device (id /dev/sdb1 is
mounted in /mnt/data)
root@server# xfs_growfs /mnt/data

# verify
root@server# lsblk
root@server# df -h
```

From:
<https://wiki.plecko.hr/> - Eureka Moment

Permanent link:
https://wiki.plecko.hr/doku.php?id=linux:misc:expand_partition_and_filesystem

Last update: 2025/10/15 09:05

