

Работа с дисками parted

Before allocation:

```
server:/$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            1.5G     0  1.5G   0% /dev
tmpfs           301M   1.1M  300M   1% /run
/dev/sda2       16G    13G   2.4G  84% /
tmpfs           1.5G     0  1.5G   0% /dev/shm
tmpfs           5.0M     0   5.0M   0% /run/lock
tmpfs           1.5G     0  1.5G   0% /sys/fs/cgroup
/dev/loop0      91M    91M     0 100% /snap/core/6350
tmpfs           301M     0  301M   0% /run/user/1000
```

Now extend the partition:

```
server:/$ sudo parted
[sudo] password for username:
GNU Parted 3.2
Using /dev/sda
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) print
Model: VMware Virtual disk (scsi)
Disk /dev/sda: 32.2GB
Sector size (logical/physical): 512B/512B
Partition Table: gpt
Disk Flags:
Number  Start   End     Size    File system  Name  Flags
  1      1049kB  2097kB  1049kB                bios_grub
  2      2097kB  17.2GB  17.2GB  ext4
(parted) resizepart 2
Warning: Partition /dev/sda2 is being used. Are you sure you want to continue?
Yes/No? Yes
End?  [17.2GB]? 32.2GB
(parted) q
Information: You may need to update /etc/fstab.
```

5. Thereafter, grow the filesystem using the *resize2fs*:

```
server:/$ sudo resize2fs /dev/sda2
resize2fs 1.44.1 (24-Mar-2018)
Filesystem at /dev/sda2 is mounted on /; on-line resizing required
old_desc_blocks = 2, new_desc_blocks = 4
The filesystem on /dev/sda2 is now 7860816 (4k) blocks long.
```

Finally, the disk capacity has increased:

```
server:/$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            1.5G     0  1.5G   0% /dev
tmpfs           301M   1.1M  300M   1% /run
/dev/sda2       30G    15G   14G  53% /
tmpfs           1.5G     0  1.5G   0% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           1.5G     0  1.5G   0% /sys/fs/cgroup
/dev/loop0       91M    91M     0 100% /snap/core/6350
tmpfs           301M     0  301M   0% /run/user/1000
```

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