

## Replacing disks on Proxmox

Difficulté



Très facile

Source: [https://pve.proxmox.com/wiki/ZFS:\\_Tips\\_and\\_Tricks#Replacing\\_a\\_failed\\_disk\\_in\\_the\\_root\\_pool](https://pve.proxmox.com/wiki/ZFS:_Tips_and_Tricks#Replacing_a_failed_disk_in_the_root_pool) and <https://forum.proxmox.com/threads/autoexpand-on-rpool-zfs.30512/>

- Locate the failing disk / the disk you want to replace:

```
# zpool status -v
```

. In this exemple, we want to replace disk "sdb"

- Detach the disk from the pool:

```
# zpool detach rpool sdb2
```

, shutdown the Proxmox, replace physically the disk and start the machine

If there is a problem "no such device in pool", we must find the ID of the disk:

- stop all VMs using the \_pool (if needed stop NFS too)
- export the pool

```
# zpool export the_pool
```

- reimport the pool by taking the disks by their ID

```
# zpool import -d /dev/disk/by-id/ the_pool
```

- # zpool status -v

should show the ID of the disks instead of sdX

- Create the partitions - depending if you replace the failing disk through a disk with the same size or through a "bigger" one:
  - For a similar disk: copy the partition table from /dev/sda to /dev/sdb:

```
# sgdisk --replicate=/dev/sdb /dev/sda
```

- For a "bigger" disk: delete its partition table and create a new one:

```
# sgdisk -Z /dev/sdb
# sgdisk -a1 -n1:34:2047 -t1:EF02 -n9:-8M:0 -t9:BF07 -n2:2048:0 -
t2:BF01 -c 2:zfs /dev/sdb
```

- Ensure the GUIDs are randomized:

```
# sgdisk --randomize-guids /dev/sdb  
The operation has completed successfully.
```

- Install the Grub on the new disk:

```
grub-install /dev/sdb
```

- Attach the nex disk to the pool:

```
# zpool attach -f rpool sda2 /dev/sdb2
```

- Let the resilvering function run:

```
# zpool status -v
```

From:

<https://wiki.guedel.eu/> - **Wiki-Guedel**

Permanent link:

[https://wiki.guedel.eu/doku.php?id=welcome:proxmox:replace\\_disks](https://wiki.guedel.eu/doku.php?id=welcome:proxmox:replace_disks)

Last update: **2020/12/13 12:45**

