

# Debian and proxmox

## Beschreibung

- Einrichtung von zfs auf Debian für proxmox

## Anleitung

### Installation

```
echo "deb http://download.proxmox.com/debian/pve stretch pve-no-subscription" > /etc/apt/sources.list.d/pve-install-repo.list
wget http://download.proxmox.com/debian/proxmox-ve-release-5.x.gpg -O /etc/apt/trusted.gpg.d/proxmox-ve-release-5.x.gpg
```

[/etc/apt/sources.list.d/pve-install-repo.list](#)

```
deb http://download.proxmox.com/debian/pve stretch pve-no-subscription
```

[/etc/apt/sources.list.d/buster-backports.list](#)

```
deb http://deb.debian.org/debian buster-backports main
```

Vorher die Kernel Headers noch installieren!

```
apt install pve-headers-$(uname -r)
```

```
apt install zfs-zed zfs-dkms zfsutils-linux zfs-initramfs
```

### Einrichtung

```
modprobe zfs
echo zfs >> /etc/modules
#maximaler Arbeitsspeicher durch vier (bei mindestens 32GB RAM)
echo options zfs zfs_arc_max=$(expr $(awk '/MemTotal/ {print $2}' /proc/meminfo) \* 1024 / 4) >/etc/modprobe.d/zfs.conf

#zpool create -f -o ashift=12 <pool> raidz1 <device1> <device2> <device3>
zpool create -fd zpool0 mirror /dev/sda4 /dev/sdb4
```

## Status

```
~ # zpool status
pool: zpool0
state: ONLINE
scan: scrub repaired 0B in 0h7m with 0 errors on Sun Apr 8 00:31:03 2018
config:

NAME          STATE          READ WRITE CKSUM
zpool0        ONLINE         0     0     0
  raidz1-0    ONLINE         0     0     0
    sda4      ONLINE         0     0     0
    sdb4      ONLINE         0     0     0
    sdc4      ONLINE         0     0     0

errors: No known data errors
```

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