

clerie's Gentoo install Guide

Konzept

- Vollverschlüsselte Festplatte
- (U)EFI Boot direkt in den Kernel
- Hibernate

Links

- https://wiki.gentoo.org/wiki/Full_Disk_Encryption_From_Scratch_Simplified

Partitionierung

| | | | |
|-----------|-------|----------|----------------|
| /boot/efi | | 512MB | mkfs.fat -F 32 |
| /boot | | 1G | mkfs.ext4 |
| lvm | / | 25GB | |
| | swap | RAM+2GB | |
| | /home | 100%FREE | |

Krypto

```
cryptsetup luksFormat -c aes-xts-plain64 -hash sha256 -s 256 /dev/nvme0n1p3
```

LVM

```
cryptsetup luksOpen /dev/nvme0n1p3 lvm
```

```
pvcreate /dev/mapper/lvm
```

```
vgcreate vg0 /dev/mapper/lvm
```

```
lvcreate -L50G -n root vg0
```

```
lvcreate -L18G -n swap vg0
```

```
lvcreate -l 100%FREE -n home vg0
```

```
mkfs.ext4 /dev/mapper/vg0-root
```

```
mkswap /dev/mapper/vg0-swap swapon /dev/mapper/vg0-swap
```

```
mkfs.ext4 /dev/mapper/vg0-home
```

Prtitionen einhängen

```
mkdir /mnt/gentoo
```

```
mount /dev/mapper/vg0-root /mnt/gentoo
```

```
mkdir /mnt/gentoo/home
```

```
mount /dev/mapper/vg0-home /mnt/gentoo/home
```

```
mkdir /mnt/gentoo/boot
```

```
mount /dev/nvme0n1p2 /mnt/gentoo/boot
```

```
mkdir /mnt/gentoo/boot/efi
```

```
mount /mnt/nvme0n1p1 /mnt/gentoo/boot/efi
```

```
cd /etc/gentoo
```

Kernel Konfig

- Wir wollen direkt vom Kernel booten
 - https://wiki.gentoo.org/wiki/EFI_System_Partition
 - https://wiki.gentoo.org/wiki/EFI_stub_kernel

From:

<https://wiki.clerie.de/> - **clerie's Wiki**

Permanent link:

<https://wiki.clerie.de/notiz/gentoo-installieren?rev=1595495375>

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