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

Partitionen 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

Gentoo laden

wget
https://linux.rz.ruhr-uni-bochum.de/download/gentoo-mirror/releases/amd64/autobuilds/current-stage3-amd64/stage3-amd64-20200722T214503Z.tar.xz

https://linux.rz.ruhr-uni-bochum.de/download/gentoo-mirror/

tar xvf stage3-amd64-20200722T214503Z.tar.xz –xattrs –numeric-owner

Repos konfigurieren

mkdir etc/portage/repos.conf

cp usr/share/portage/config/repos.conf etc/portage/repos.conf/gentoo.conf

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=1595495768

Last update: **2020/07/23 11:16**