

nixos btrfs

Become Root

```
sudo su
```

Partition the disk

```
printf "label: gpt\n,550M,U\n,,L\n" | sfdisk /dev/sdX
```

Format partitions and create subvolumes

```
mkfs.fat -F 32 /dev/sdX1

mkfs.btrfs /dev/sdX2
mkdir -p /mnt
mount /dev/sdX2 /mnt
btrfs subvolume create /mnt/root
btrfs subvolume create /mnt/home
btrfs subvolume create /mnt/nix
umount /mnt
```

Mount the partitions and subvolumes

```
mount -o ssd,defaults,compress=zstd:5,noatime,subvol=root /dev/sdX2 /mnt
mkdir /mnt/{home,nix}
mount -o ssd,defaults,compress=zstd:5,noatime,subvol=home /dev/sdX2 /mnt/home
mount -o ssd,defaults,compress=zstd:5,noatime,subvol=nix /dev/sdX2 /mnt/nix

mkdir /mnt/boot
mount /dev/sdX1 /mnt/boot
```

install NixOS

Mount options: "ssd" "defaults" "noatime" "compress=zstd:5"

```
nixos-generate-config --root /mnt
nano /mnt/etc/nixos/hardware-configuration.nix # add mount options
nano /mnt/etc/nixos/configuration.nix
nixos-install
```