

Arch Linux

Some arch linux tips and tricks, also error fixes for people with specific hardware.

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Optimizing makepkg.conf

if you are using aur and see that compiling some software is low here is how to speed it up, and also optimize compiled a bit more for you system.

```
## /etc/makepkg.conf
```

Replace in CFLAGS and CXXFLAGS to native

`-march=x86-64 -mtune=generic` to `-march=native`

Speed up build times

Find the line `MAKEFLAGS` and set it to `MAKEFLAGS="-j$(nproc)"`

Speed up compression of packages

Find the line `COMPRESSZST` and set it to `COMPRESSZST=(zstd -1 -c -z -q -)`

How to setup efi stub

get uuid of the root partition, also set the correct disk and partition in the commands and replace with current uuid of your root partition.

Make sure to change your cmdline parameters as you need them.

```
# Linux zen kernel
```

```
sudo efibootmgr --create --disk /dev/nvme0n1 --part 1 --label "Arch Linux" --loader /vmlinuz-linux-zen --unicode 'root=UUID="b3e4dcc5-be66-43e6-a66c-42c5d4a25e73" rootfstype=btrfs rootflags=subvol=256 quiet loglevel=3 systemd.show_status=auto rd.udev.log_level=3 vt.global_cursor_default=0 nmi_watchdog=0 zswap.enabled=0 nvidia-drm.modeset=1 rcutree.rcu_idle_gp_delay=1 rw initrd=\amd-ucode.img initrd=\initramfs-linux-zen.img'
```

```
# linux lts kernel
```

```
sudo efibootmgr --create --disk /dev/nvme0n1 --part 1 --label "Arch Linux LTS" --loader /vmlinuz-linux-lts --unicode 'root=UUID="b3e4dcc5-be66-43e6-a66c-42c5d4a25e73" rootfstype=btrfs rootflags=subvol=256 quiet loglevel=3 systemd.show_status=auto rd.udev.log_level=3 vt.global_cursor_default=0 nmi_watchdog=0 zswap.enabled=0 nvidia-drm.modeset=1 rcutree.rcu_idle_gp_delay=1 rw initrd=\amd-ucode.img initrd=\initramfs-linux-lts.img'
```

```
# linux zen kernel with debug
```

```
sudo efibootmgr --create --disk /dev/nvme0n1 --part 1 --label "Arch Linux Debug" --loader /vmlinuz-linux-zen --unicode 'root=UUID="b3e4dcc5-be66-43e6-a66c-42c5d4a25e73" rootfstype=btrfs rootflags=subvol=256 nmi_watchdog=0 zswap.enabled=0 nvidia-drm.modeset=1 rcutree.rcu_idle_gp_delay=1 rw initrd=\amd-ucode.img initrd=\initramfs-linux-zen.img'
```