

arch notes

install

arch-chroot base linux linux-firmware neovim tmux gdm3 sway grub networkmanager git sudo
base-devel wl-clipboard

amd-ucode intel-ucode

iwctl station wlan0 connect arikui.org

grub-install --target=x86_64-efi --efi-directory=/boot/efi --bootloader-id=GRUB

mkdir -p /boot/grub && grub-mkconfig -o /boot/grub/grub.cfg

nvidia

enable multilib in /etc/pacman.conf

sudo pacman -S --needed
intel-media-driver libva-intel-driver mesa
nvidia-open nvidia-utils lib32-nvidia-utils
egl-wayland nvidia-prime mesa-utils

edit /etc/modprobe.d/nvidia.conf

```
options nvidia-drm modeset=1 fbdev=1
```

Edit /etc/mkinitcpio.conf

```
MODULES=(intel_agp i915 nvidia nvidia_modeset nvidia_uvm nvidia_drm)
```

mkinitcpio -P

add env vars:

```
mkdir -p ~/.config/environment.d
```

get intel card id

```
$ echo /dev/dri/by-path/"$(ls -l /dev/dri/by-path/ | grep 00:02.0-card)"  
/dev/dri/by-path/pci-0000:00:02.0-card
```

edit ~/.config/environment.d/sway.conf

use that id as WLR_DRM_DEVICES

```
# Force wlroots to render Sway on the Intel GPU  
WLR_DRM_DEVICES=/dev/dri/by-path/pci-0000:00:02.0-card  
  
# Prevent invisible mouse cursor glitches on NVIDIA Wayland sessions  
WLR_NO_HARDWARE_CURSORS=1  
  
# Enable Wayland support in EGL/Vulkan apps  
XDG_SESSION_TYPE=wayland  
GBM_BACKEND=nvidia-drm  
__GLX_VENDOR_LIBRARY_NAME=nvidia
```

verify

```
$ glxinfo | grep "OpenGL vendor"  
OpenGL vendor string: Intel  
$ prime-run glxinfo | grep "OpenGL vendor"  
OpenGL vendor string: NVIDIA Corporation
```

fix sway bitching

```
sudo mkdir -p /usr/local/share/wayland-sessions  
sudo cp /usr/share/wayland-sessions/sway.desktop /usr/local/share/wayland-sessions/
```

edit /usr/local/share/wayland-sessions/sway.desktop

```
[Desktop Entry]  
Name=Sway  
Comment=An i3-compatible Wayland compositor  
Exec=sway --unsupported-gpu  
Type=Application  
DesktopNames=sway
```

run anything "nvidia" with prime-run

looking for binaries:

```
Sat Sep 19 22:25:21 kikuo.drheck.dev:~
$ sudo pacman -Fy
:: Synchronizing package databases...
   core                               1494.0 KiB   2.69 MiB/s  00:01
[#####] 100%
   extra                             48.6 MiB   11.6 MiB/s  00:04
[#####] 100%
  multilib                           105.5 KiB    831 KiB/s  00:00
[#####] 100%
Sat Sep 19 22:25:57 kikuo.drheck.dev:~
$ pacman -F wl-copy
extra/wl-clipboard 1:2.3.0-1
    usr/bin/wl-copy
    usr/share/bash-completion/completions/wl-copy
```

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