

BASIC SYSTEM INSTALL

Load keyboard

```
loadkeys de_CH-latin1
```

partitioning and mounting

```
'gdisk /dev/sdx  
(mkfs.fat -F 32 -n EFIBOOT /dev/sdx#) mkfs.ext4 -L arch /dev/sdx# mkswap  
-L swap /dev/sdx#  
mount -L arch /mnt mkdir & mount swapon -L swap'
```

setup network connection (wifi-menu)

```
wifi-menu
```

choose mirror

```
cp /etc/pacman.d/mirrorlist /etc/pacman.d/mirrorlist.bak vim  
/etc/pacman.d/mirrorlist
```

set time

```
timedatectl status timedatectl set-ntp true
```

install base system

```
pacstrap /mnt base base-devel intel-ucode networkmanager vim  
'genfstab -U /mnt >> /mnt/etc/fstab  
arch-chroot /mnt  
ln -sf /usr/share/zoneinfo/Europe/Zurich /etc/localtime  
echo myhost > /etc/hostname  
vim /etc/locale.gen # uncomment all en_US, de_CH, de_DE locale-gen  
echo LANG=en_US.UTF-8 > /etc/locale.conf # (or: de_CH.UTF-8)
```

```
vim /etc/vconsole.conf ->KEYMAP=sg-latin1 ->FONT=Lat2-Terminus16 -
>Lang=en_US

vim /etc/hosts # # /etc/hosts: static lookup table for host names # #
<hostname.domain.org> 127.0.0.1 localhost.localdomain localhost arch ::1 local-
host.localdomain localhost arch

mkinitcpio -p linux passwd'
```

Install grub (boot loader)

```
'pacman -S grub os-prober efibootmgr dosfstools gptfdisk

grub-install --target=x86_64-efi --efi-directory=/boot --bootloader-id=grub --
recheck --debug grub-mkconfig -o /boot/grub/grub.cfg'
```

exit chroot and boot into new system

```
'exit umount -R /mnt reboot

useradd -m -g users -s /bin/bash user_name passwd user_name

vim /etc/sudoers %wheel ALL=(ALL) ALL

gpasswd -a user_name wheel

pacman -S acpid dbus avahi cronie'
```

install configs

```
pacman -S git mkdir .dotfiles git clone https://github.com/Veit96/dotfiles.git
.dotfiles cd .dotfiles ./install
```

install packages

```
pacman -S $(cat my_packages.txt)
```

install yay (aur helper)

```
git clone https://aur.archlinux.org/yay.git cd yay makepkg -si cd
.. rm -rf yay

yay -S urxvt-resize-font-git polybar mons
```

DUAL BOOTING WITH WINDOWS

setting windows to UTC instead of localtime:

```
reg add "HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\TimeZoneInformation"  
/v RealTimeIsUniversal /d 1 /t REG_DWORD /f
```

disable fast startup

1. go to windows power settings
2. go to additional settings
3. go to what power buttons do
4. uncheck fast startup

Mount Windows partition on boot

Add the following to your `/etc/fstab`, where `/dev/sdxy` is the ntfs windows partition to be mounted: `# /dev/sda8 UUID=7CAEAC2F37442BDD LABEL=share /home/veit/share ntfs-3g utf8,uid=1000,gid=1000,dmask=027,fmask=137 0 2`

ADDITIONAL SETTINGS

switch capslock and escape:

```
add "XkbOptions" "terminate:ctrl_alt_bksp,caps:swapescape" in  
/etc/X11/xorg.conf.d/00-keyboard.conf
```

pacman stuff:

uncomment “`#Color`” for color pacman add aur

vim stuff:

- install vundle
- vim-jedi
- vim-jellybeans
- vim-latexsuite
- vim-spell-de
- vim-supertab

have a look at tlp

pywal:

```
wal -i image.png
```

Fixing Invalid MIT-MAGIC-COOKIE-1:

This was needed to launch the graphical matlab installer from terminal with sudo privileges uncomment Defaults env_keep += "HOME" in /etc/sudoers

PROGRAMMS FOR CERTAIN TASKS

- display manager / login manager -> slim
- window manager -> i3
- shell -> zsh
- terminal -> rxvt-unicode
- app launcher -> rofi, dmenu
- aur helper -> yay
- file manager -> ranger
- browser -> qutebrowser
- wallpaper setter -> nitrogen, wal
- image viewer -> sxiv
- pdf viewer -> zathura, okular
- office ->
- video/audio player -> smplayer, mpv
- system monitoring -> deepin-system-monitor
- offline docs browser -> zeal

USEFULL COMMANDS

connect to ethernet:

```
sudo systemctl enable dhcpcd@enp3s0.service sudo systemctl enable  
netctl-auto@wlo1.service sudo systemctl stop/disable netctl/NetworkManager/...
```

this app handles monitor setup

mons

i3lock-blur replaced i3lock as a screenlocker

wicd connman wpa_supplicant_gui

search disk an list memory usage

ncdu -x

list packages sorted by size

```
expac -H M "%011m\t%-20n\t%10d" $(comm -23 <(pacman -Qqen | sort)
<(pacman -Qqg base base-devel | sort)) | sort -n
```

wifi settings with nmcli

nmcli radio wifi on/off nmcli con nmcli dev