Set keymap

```
loadkeys <keymap>
```

Partitioning

1. 1024MB EFI partition # ef00 /boot/efi
2. 4096MB Linux partition # 8300 /boot
3. 100% Linux partition # 8300 /

```
cgdisk /dev/sda
```

Formatting

> /boot/efi

```
mkfs.vfat -F 32 /dev/sda1
```

> /boot

```
mkfs.ext2 /dev/sda2
```

> /

```
mkfs.ext4 /dev/sda3
```

Mounting

The root partition

```
mount /dev/sda3 /mnt
```

Create the boot mount point

```
mkdir /mnt/boot
```

Mounting the boot partition

```
mount /dev/sda2 /mnt/boot
```

Create the EFI mount point

```
mkdir /mnt/boot/efi
```

Mounting the EFI partition

```
mount /dev/sda1 /mnt/boot/efi
```

Update mirrorlist

```
reflector -c <country> --sort delay --save /etc/pacman.d/mirrorlist -p https
```

Init pacman

```
pacman-key --init && pacman-key --populate archlinux
```

Installation

The base system

```
pacstrap /mnt base base-devel wget git linux linux-firmware vim efibootmgr
rustup sudo grub networkmanager w3m archiso reflector <shell> <ucode>
<graphics_driver>
```

Generate fstab

```
genfstab -U /mnt >> /mnt/etc/fstab
```

Enter in the new system

```
arch-chroot /mnt && cd ~
```

Manage accounts

Create your account

```
useradd -m -U -c 'YOUR REAL NAME' -s <shell> <username>
```

Generate root password

```
passwd root
```

Generate your password

```
passwd <username>
```

Add your account to sudoers file

```
echo '<username> ALL=(ALL) ALL' > /etc/sudoers.d/<username>
```

Sign in

```
su - <username>
```

Configure rust

```
rustup default stable
```

Modify pacman.conf

```
sudo vim /etc/pacman.conf
```

Refresh repositories

```
sudo pacman -Sy
```

Installation of yay

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

Install arch

From GitHub

```
git clone https://github.com/otechdo/arch
cd arch
make
sudo make install
```

From Crates.io

```
cargo install arch
install -m 755 "$HOME/.cargo/bin/arch" /usr/bin/arch
```

From Aur

```
paru -Syu manager
```

Setup a new arch

```
arch --setup
```

Desktop

- @deepin
- @kde
- @gnome
- @xmonad
- @i3

Install all selected packages on arch

```
arch --install
arch -S <pkg> <pkg>
```

Quit the fresh new system

```
exit
```

Umount all mounted partitions

```
umount -R /mnt
```

Reboot

```
reboot
```

Arch commands

Setup a new arch

```
arch -i
```

```
arch --setup
```

Remove packages

```
arch -R <pkg> <pkg>
```

```
arch --uninstall
```

Install new packages

```
arch -S <pkg> <pkg>
```

```
arch --install
```

Update mirrorlist

```
arch -M
```

```
arch --mirrors
```

Check updates

```
arch -C
```

```
arch --check
```

Install packages as dependencies

```
arch -d
```

```
arch --deps
```

Update archlinux

```
arch
```

```
arch -u
```

```
arch --update
```

Search a package

```
arch -s <pkg>
```

```
arch --search <pkg>
```

Show arch current version

```
arch -v
```

```
arch --version
```

Download updates

```
arch -d
```

```
arch --download-updates
```

Show help message

```
arch -h
```

```
arch --help
```

Cancel the upgrade reboot

```
arch -x
```

```
arch --cancel
```

Upgrade the system and reboot

```
arch -U
```

```
arch --upgrade
```

Generate arch packages cache

```
arch -c
```

```
arch --cache
```

Navigate on news

```
arch -n
```

```
arch --news
```

Navigate on the Aur

```
arch -a
```

```
arch --aur
```

Navigate on the forum

```
arch -f
```

```
arch --forum
```

Navigate on the man pages

```
arch -m
```

```
arch --man
```

```
arch --woman
```

Navigate on the wiki

```
arch -w
```

```
arch --wiki
```

Toolbox support

GitHub - toolbx-images/images: Community maintained container images to use with toolbx and distrobox

List all toolbox

```
os --list
```

Create a new toolbox

```
os --add fedora 39 workstation
os --add fedora 39
```

Create a new toolbox from an image

```
os --add-from quay.io/toolbx-images/debian-toolbox:12
```

Enter in toolbox

```
os --use workstation
os --use fedora-toolbox-39
```

Run a command in toolbox

```
os --run workstation ls
os --run fedora-toolbox-39 ls
```

Stop a toolbox

```
os --stop workstation
os --stop fedora-toolbox-39
```

Remove a toolbox

```
os --rm workstation
os --rm fedora-toolbox-39
```

Key Bindings

This file lists all of the key bindings currently registered by prompts.

All prompts

These key bindings may be used with all prompts.

command	description
`enter`	Submit answer.
`esc`	Cancel the prompt*.
`ctrl` + `c`	Interrupt the prompt*.

* Canceling and interrupting a prompt have two different meanings. Canceling is defined specially for when the end user is allowed to skip a prompt, the library user can then use `prompt_skippable` which wraps the return type into an `Option` and catches the `CanceledOperation` error transforming it into a `Ok(None)` result. Interrupted operations are closer to "stop-the-world" operations, where the library user should treat them as termination commands.

Text Input

These key bindings may be used with all prompts that ask the user for text input: [`Text`], [`Select`], [`MultiSelect`], [`Confirm`], [`CustomType`] and [`Password`]. The [`Editor`] prompt is not included because it opens a separate text editor for text input.

command	description
`character`	Insert the character into the input.
`left`	Move the cursor back one character.
`right`	Move the cursor forward one character.
`ctrl` + `left`	Move one word to the left of the cursor.
`ctrl` + `right`	Move one word to the right of the cursor.
`home`	Move cursor to the start of the line*.
`end`	Move cursor to the end of the line*.
`backspace`	Delete one character to the left of the cursor.
`delete`	Delete the character at the cursor.
`ctrl` + `delete`	Delete one word to the right of the cursor.

* Key bindings not supported on [`Select`] and [`MultiSelect`] prompts.

Text Prompts

These key bindings may be used in [`Text`] prompts.

command	description
`enter`	Submit the current current text input.
`up`	When suggestions are displayed, move cursor one row up.
`down`	When suggestions are displayed, move cursor one row down.
`page up`	When suggestions are displayed, move cursor one page up.
`page down`	When suggestions are displayed, move cursor one page down.
`tab`	Replace current input with the resulting suggestion if any.
others	See Text Input and All Prompts

Select Prompts

These key bindings may be used in [`Select`] prompts.

command	description
`enter`	Submit the current highlighted option.
`up`	Move cursor one row up.
`down`	Move cursor one row down.
`k`	Move cursor one row up when vim mode is enabled.
`j`	Move cursor one row down when vim mode is enabled.
`page up`	Move cursor one page up.
`page down`	Move cursor one page down.
`home`	Move cursor to the first option.
`end`	Move cursor to the last option.
others	See Text Input and All Prompts

MultiSelect Prompts

These key bindings may be used in [`MultiSelect`] prompts.

command	description
`enter`	Submit the options currently selected.
`space`	Toggle the selection of the current highlighted option.
`up`	Move cursor one row up.
`down`	Move cursor one row down.
`k`	Move cursor one row up when vim mode is enabled.
`j`	Move cursor one row down when vim mode is enabled.
`page up`	Move cursor one page up.
`page down`	Move cursor one page down.
`home`	Move cursor to the first option.
`end`	Move cursor to the last option.
`left`	Unselect all options.
`right`	Select all options.
others	See Text Input and All Prompts

DateSelect Prompts

These key bindings may be used in the interactive calendar of the [`DateSelect`] prompt.

command	description
`space bar` or `enter`	Submit the current highlighted date.
`up`	Move cursor one row up.
`down`	Move cursor one row down.
`left`	Move cursor one column to the left.
`right`	Move cursor one column to the right.
`k`	Move cursor one row up when vim mode is enabled.
`j`	Move cursor one row down when vim mode is enabled.
`h`	Move cursor one column to the left when vim mode is enabled.
`l`	Move cursor one column to the right when vim mode is enabled.
`ctrl` + `up`	Move calendar back by one year.
`ctrl` + `down`	Move calendar forward by one year.
`ctrl` + `left`	Move calendar back by one month.
`ctrl` + `right`	Move calendar forward by one month.

Editor Prompts

These key bindings may be used in [`Editor`] prompts.

command	description
`e`	Open the editor.
`enter`	Submit the current content of the temporary file being edited.