

Install Script

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About Script

```
#!/usr/bin/bash
# Title: Arch KDE Install Guide Script
# Description: A script to guide through KDE setup on archlinux
# Author: Anishka Patel
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# Usage: ./install-script.sh
```

Updating cache & packages

Arch Linux

```
sudo pacman -Syu --noconfirm --needed
```

Debian / Ubuntu Based Linux

```
# sudo apt update && sudo apt upgrade -y
```

Fedora / RHEL Based Linux

```
# sudo dnf update && sudo dnf upgrade -y
```

Other Package Managers

Flatpak

```
sudo pacman -S flatpak --noconfirm --needed
```

AppImages

```
sudo pacman -S appimagelauncher --noconfirm --needed
```

Brew

```
curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh | bash
```

Yay (AUR)

Get base-devel and git

```
sudo pacman -S --needed base-devel git --noconfirm --needed
```

Get yay repository

```
git clone https://aur.archlinux.org/yay.git  
cd yay
```

Install yay with makepkg

```
makepkg -si
```

Check version

```
yay --version
```

Snap

Get snapd

```
git clone https://aur.archlinux.org/snapd.git  
cd snapd  
makepkg -si
```

Start snapd.socket service

```
sudo systemctl enable --now snapd.socket
```

Enable classic snap support

```
sudo ln -s /var/lib/snapd/snap /snap
```

TODO Nix

Package Manager GUI

Pamac (ARCH)

```
# Sources: pacman, aur  
# yay -S pamac-aur
```

```
# Sources: pacman, flatpak, aur  
yay -S pamac-flatpak
```

```
# Sources: pacman, flatpak, aur, snap  
# yay -S pamac-full
```

Discover (KDE)

```
# Arch distro  
sudo pacman -S discover --noconfirm --needed
```

System Utilities

```
sudo pacman -S htop glances powertop --noconfirm --needed  
# sudo pacman -S sysstat ifstat --noconfirm --needed
```

System info utilities

```
sudo pacman -S neofetch --noconfirm --needed
```

Finding utilities

```
sudo pacman -S fd mlocate --noconfirm --needed
```

Disk Management Utilities

```
sudo pacman -S df du --noconfirm --needed
```

Help Utilities

```
sudo pacman -S tldr --noconfirm --needed
```

```
sudo pacman -S man-db mandoc --noconfirm --needed
```

Source Code Management

```
sudo -S git github-cli --noconfirm --needed
```

Display Server

```
# pacman -S xorg
```

Desktop Manager

```
sudo pacman -S sddm --noconfirm --needed
```

Desktop Environment

KDE Plasma Desktop

```
sudo pacman -S plasma --noconfirm --needed
```

KDE Plasma Desktop Minimal

```
sudo pacman -S plasma-desktop --noconfirm --needed
```

Other Plasma Utilities

```
sudo pacman -S plasma-nm plasma-pa kdeplasma-addons kde-gtk-config --noconfirm --needed
```

KDE Virtual console

```
sudo pacman -S konsole yakuake --noconfirm --needed
```

KDE File manager

```
sudo pacman -S doplhin --noconfirm --needed
```

KDE Package Explorer

```
sudo pacman -S discover --noconfirm --needed
```

KDE Text Editors

```
sudo pacman -S kate kwrite --noconfirm --needed
```

KDE Battery manager

```
sudo pacman -S powerdevil --noconfirm --needed
```

KDE System monitor

```
sudo pacman -S ksysguard --noconfirm --needed
```

KDE Applications

List of applications: [KDE-Applications](#) | [Arch Linux](#)

```
# sudo pacman -S kde-applications --noconfirm --needed
```

KDE Utilities

List of utilities: [KDE-Utilities](#) | [Arch Linux](#)

```
# sudo pacman -S kde-utilities --noconfirm --needed
```

X Session

```
sudo systemctl enable sddm.service
sudo systemctl enable NetworkManager.service
```

Fonts

```
sudo yay -S nerd-fonts-complete
# sudo pacman -S ttf-cascadia-code ttf-dejavu ttf-fira-code ttf-roboto ttf-roboto-mo
```

Shells

```
# sudo pacman -S sh bash --noconfirm --needed
sudo pacman -S zsh fish --noconfirm --needed
```

Terminals

```
sudo pacman -S kitty --noconfirm
```

Firewall

```
sudo pacman -S firewall --noconfirm --needed
# sudo pacman -S ufw gufw --noconfirm --needed
```

Text Editors

```
sudo pacman -S vi vim --noconfirm --needed
sudo pacman -S neovim emacs --noconfirm --needed
sudo pacman -S kate kwrite --noconfirm --needed
sudo yay -S vscode-bin
```

Web Browsers

```
sudo pacman -S firefox --noconfirm --needed
sudo yay -S google.chrome
# sudo flatpak install com.google.Chrome -y
# sudo pacman -S brave chromium --noconfirm --needed
```

Languages, Runtime & Development Environment

Most Important

```
# sudo pacman -S python nodejs rust go --noconfirm --needed
```

Python

```
sudo pacman -S python ipython --noconfirm --needed  
# sudo pacman -S pip --noconfirm --needed
```

Node

```
sudo pacman -S nodejs --noconfirm --needed  
sudo pacman -S npm --noconfirm --needed
```

Rust

```
sudo pacman -S rustup rust-analyzer --noconfirm --needed
```

Lua

```
sudo pacman -S lua luarocks luajit --noconfirm --needed
```

Dotnet

```
sudo pacman -S dotnet-host dotnet-sdk dotnet-runtime dotnet-targeting-pack --noconfirm
```

Mono

```
sudo pacman -S mono mono-addins --noconfirm --needed
```

Go

```
sudo pacman -S go --noconfirm --needed
```

Game & 3d Modeling

```
sudo pacman -S godot blender freecad --noconfirm --needed
```

Audio, Video & Multimedia

Photo Viewer & editor

```
sudo pacman -S gwenview gimp krita inkscape --noconfirm --needed
```

Audio viewer & editor

```
# Video viewing/editing/encoding  
sudo pacman -S vlc kdenlive handbrake --noconfirm --needed
```

Video viewer & editor

```
# Audio viewing/editing/composition  
sudo pacman -S elias audacity lmms --noconfirm --needed
```

Virtual Machines & Containers

Containers

```
sudo pacman -S docker --noconfirm --needed
# sudo pacman -S lxc lxd --noconfirm --needed
# sudo pacman -S podman --noconfirm --needed
```

Virtual Machines

```
sudo pacman -S linux-headers linux-lts-headers --noconfirm --needed
sudo pacman -S virtualbox vagrant --noconfirm --needed
sudo pacman -S virtualbox-host-modules-arch virtualbox-guest-utils virtualbox-guest-additions
# sudo pacman -S virt-manager --noconfirm --needed
```

Office Utilities

Most Important

```
# sudo pacman -S abiword okular simple-scan --noconfirm --needed
# yay onlyoffice-desktopeditors
```

Office Suite

```
yay -S onlyoffice-desktopeditors
# sudo pacman -S libre-office-still --noconfirm --needed
```

Rich Text Editor

```
sudo pacman -S abiword --noconfirm --needed
```

Diagram Editor

```
# sudo pacman -S dia --noconfirm --needed
flatpak install drawio
```

Document Viewer

```
sudo pacman -S okular calibre --noconfirm --needed
```

Document Scan

```
sudo pacman -S simple-scan --noconfirm
```

Other Utilities

```
sudo pacman -S spectacle uget elinks --noconfirm --needed
yay -S ventoy-bin --noconfirm --needed
```

Screenshot

```
# sudo pacman -S flameshot --noconfirm --needed
sudo pacman -S spectacle --noconfirm --needed
```

Cloud storage

Dropbox

```
sudo flatpak install dropbox -y
```

Google Drive

```
sudo pacman -S kio-gdrive --noconfirm --needed
```

Text Based internet browser

```
sudo pacman -S elinks --noconfirm --needed
```

Download Manager

```
sudo pacman -S uget --noconfrim --needed
```

Bootable Media Creation Tool

```
yay -S ventoy-bin
```