Install Script

Anishka Patel

[2022-08-29 Mon]

About Script

```bash
#! /usr/bin/bash
# Title: Arch KDE Install Guide Script
# Description: A script to guide through KDE setup on archlinux
# Author: Anishka Patel
# Created: [2022-08-29 Mon]
# Usage: ./install-script.sh
```

Updating cache & packages

```bash
sudo pacman -Syu --noconfirm
```

Other Package Managers

Flatpak

```bash
sudo pacman -S flatpak --noconfirm
```

AppImages

```bash
sudo pacman -S appimagelauncher --noconfirm
```

Homebrew

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

Yay

- Get `base-devel` and `git`

  ```bash
  sudo pacman -S --needed base-devel git --noconfirm
  ```
- Get `yay` repository

  ```bash
  git clone https://aur.archlinux.org/yay.git
  cd yay
  ```
- Install `yay` with `makepkg`

  ```bash
  makepkg -si
  ```
- Check version

  ```bash
  yay --version
  ```

System Utilities

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

System info utilities

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

Finding utilities

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

Disk Management Utilities

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

Source Code Management

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

Display Server

```
# pacman -S xorg
```

Desktop Manager

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

Desktop Environment

KDE Plasma Desktop

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

KDE Plasma Desktop Minimal

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

Other Plasma Utilities

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

KDE Virtual console

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

KDE File manager

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

ARCH GUI Package manager

```
sudo pacman -S pamac --noconfirm
```

KDE Package Explorer

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

KDE Text Editors

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

KDE Battery manager

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

KDE System monitor

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

KDE Applications

List of applications: KDE-Applications | Arch Linux

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

KDE Utilities

List of utilities: KDE-Utilities | Arch Linux

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

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
sudo pacman -S zsh fish --noconfirm
```

Terminals

```
sudo pacman -S kitty --noconfrim
```

Firewall

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

Text Editors

```
# sudo pacman -S vi vim --noconfirm
sudo pacman -S neovim emacs --noconfirm
# sudo pacman -S kate kwrite --noconfirm
# sudo yay -S vscodium-bin
```

Web Browsers

```
sudo pacman -S firefox --noconfirm
sudo yay -S google.chrome
```

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

Languages, Runtime & Development Environment

Most Important

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

Python

```
sudo pacman -S python ipython --noconfirm
```

Node

```
sudo pacman -S nodejs --noconfirm
```

Rust

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

Lua

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

Dotnet

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

Mono

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

Go

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

Game & 3d Modeling

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

Audio, Video & Multimedia

Photo Viewer & editor

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

Audio viewer & editor

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

Video viewer & editor

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

Virtual Machines & Containers

Containers

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

Virtual Machines

```
sudo pacman -S virtualbox vagarant --noconfirm
# sudo pacman -S virt-manager --noconfirm
```

Office Utilities

Most Important

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

Office Suite

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

Rich Text Editor

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

Diagram Editor

```
# sudo pacman -S dia --noconfirm
flatpak install draw.io
```

Document Viewer

```
sudo pacman -S okular --noconfirm
```

Document Scan

```
sudo pacman -S simple-scan --nocomfirm
```

Other Utilities

```
sudo pacman -S ark spectacle uget gestures ventoy --noconfirm
```