

Commands for Arch Linux Installation

https://wiki.archlinux.org/title/Installation_guide

Network Commands

https://wiki.archlinux.org/title/Installation_guide#Connect_to_the_internet

System Clock

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

== Partition the disks ==

```
fdisk -l
fdisk /dev/sda
> g
> n
> <ENTER>
> <ENTER>
> +550M
> n
> <ENTER>
> <ENTER>
> +2G
> n
> <ENTER>
> <ENTER>
> <ENTER>
> t
> 1
> 1
> t
> 2
> 19
> w
```

Format the partitions

```
mkfs.fat -F32 /dev/sda1
mkswap /dev/sda2
swapon /dev/sda2
mkfs.ext4 /dev/sda3
```

== Mount the partition ==

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

Install basic packages

```
pacstrap /mnt base linux linux-firmware vim
```

Fstab

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

Chroot

```
arch-chroot /mnt
```

Time zone

```
ln -sf /usr/share/zoneinfo/Asia/Kolkata /etc/localtime  
hwclock --systohc
```

Localization

```
vim /etc/locale.gen  
# uncomment en_US.UTF-8 UTF-8  
# uncomment en_IN.UTF-8  
locale-gen  
vim /etc/locale.conf  
# add LANG=en_US.UTF-8
```

Network Configuration

```
vim /etc/hostname  
# add linuxarch  
vim /etc/hosts  
# add the following  
127.0.0.1    localhost  
::1         localhost  
127.0.1.1    linuxarch
```

Users

```
passwd  
# set password  
useradd -m shawn  
passwd shawn  
set password for shawn  
usermod -aG wheel,audio,video,optical,storage shawn  
pacman -S sudo  
EDITOR=vim visudo  
# uncomment %wheel ALL=(ALL) ALL
```

Boot Loader

```
pacman -S grub efibootmgr dosfstools os-prober mtools  
mkdir /boot/EFI  
mount /dev/sda1 /boot/EFI  
grub-install --target=x86_64-efi --bootloader-id=grub_ufi --recheck  
grub-mkconfig -o /boot/grub/grub.cfg
```

Final commands

```
pacman -S networkmanager git base-devel systemctl enable NetworkManager  
exit  
umount -l /mnt  
reboot
```

Setting up xorg, xmonad etc...

Paru

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

Most used programs

```
sudo pacman -S xf86-video-fbdev xorg xorg-xinit nitrogen picom alacritty firefox xmonad xmonad
```