Pre-Installation

Verify signature

```
gpg --keyserver pgp.mit.edu --keyserver-options auto-key-retrieve --verify archlinux-version-x86_64.iso.sig
```

Boot the live environment

The live environment can be booted from a USB flash drive, an optical disc or a network with PXE

Set the keyboard layout

```
ls /usr/share/kbd/keymaps/**/*.map.gz
loadkeys us
```

Set the console font

```
ls /usr/share/kbd/consolefonts
setfont Lat2-Terminus16
```

Verify boot mode

```
ls /sys/firmware/efi/efivars
```

Connect to the Internet

```
ping archlinux.org
```

Update the system clock

```
timedatectl set-ntp true
```

Partition the disk

```
fdisk -l
fdisk /dev/sda
```

Format the partitions

```
mkswap /dev/sda1
swapon /dev/sda1
mkfs.ext4 /dev/sda2
```

Mount the file systems

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

Installation

Select the mirrors

```
pacman -Sy
pacman -S pacman-contrib
curl -s "https://www.archlinux.org/mirrorlist/?country=IN&protocol=http&protocol=https&ip_version=4&use_mirror_status=on" | sed -e 's/^#Server/Server/' -e '/^#/d' | rankmirrors -n 5 - > /etc/pacman.d/mirrorlist
```

Install the base packages

```
pacstrap /mnt base base-devel
```

Configuration

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

```
vi /etc/locale.gen
locale-gen
echo 'LANG=en_US.UTF-8' > /etc/locale.conf
echo 'KEYMAP=us' > /etc/vconsole.conf
echo 'FONT=Lat2-Terminus16' >> /etc/vconsole.conf
```

Network configuration

```
echo 'localhost' > /etc/hostname
```

Initramfs

```
mkinitcpio -p linux
```

Root password

```
passwd
```

Boot loader

```
pacman -S grub
grub-install --target=i386-pc /dev/sda
grub-mkconfig -o /boot/grub/grub.cfg
```


Sponsored by CrosswordCheats.com
Learn to solve cryptic crosswords!
http://crosswordcheats.com