

# Install Guide for Ubuntu 22.04 LTS

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## Installation

- Boot from install media
- Select "Install Ubuntu"
- Select keyboard layout: German - German (no dead keys)
- Select "Normal installation"
- Installation type: Advanced features
  - Use LVM with the new Ubuntu installation
  - Encrypt the new Ubuntu installation for security
- Install Now
- Choose a security key
- Install Now

## System Customization

### **/etc/nsswitch.conf**

```
hosts:          files dns
```

### **/etc/vim/vimrc.tiny**

```
set nocompatible
```

### **/etc/profile.d/editor.sh**

```
export EDITOR=vi
```

### **/etc/systemd/timesyncd.conf**

```
NTP=<ntpserver>
```

Restart service `sudo systemctl restart systemd-timesyncd.service`.

## Software

The following programs are known to work well with X11 display server.

## Ubuntu Repository

```
sudo apt install gcc make perl alacarte software-properties-common seahorse mc unrar  
net-tools openssh-server fsarchiver vim ansible sshpass wireshark ding dosbox fs-uae  
fs-uae-arcade isomaster asunder lame handbrake streamripper default-jre pavucontrol  
libdvd-pkg wine-stable kodi kodi-pvr-iptvsimple keepassxc vlc vlc-plugin-access-  
extra libreoffice-l10n-de libreoffice-help-de hunspell-de-de mythes-de hyphen-de  
curl doublecmd-gtk git gufw dconf-editor gthumb
```

```
sudo dpkg-reconfigure libdvd-pkg
```

## Software from flathub.org

- <https://dl.flathub.org/repo/appstream/org.darktable.Darktable.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.jgraph.drawio.desktop.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.makemkv.MakeMKV.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.spotify.Client.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.audacityteam.Audacity.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.gimp.GIMP.flatpakref>
  - org.gimp.GIMP.Plugin.GMic//2-40
  - org.gimp.GIMP.Plugin.Resynthesizer//2-40
  - org.gimp.GIMP.Plugin.BIMP//2-40
- <https://dl.flathub.org/repo/appstream/org.avidemux.Avidemux.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.github.tchx84.Flatseal.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.github.phase1geo.minder.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.skype.Client.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.github.xournalpp.xournalpp.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.kde.kdenlive.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.gnome.NetworkDisplays.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.blender.Blender.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.github.fabiocolacio.marker.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.mixxx.Mixxx.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.freecadweb.FreeCAD.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.github.scrivanolabs.scrivano.flatpakref>
- <https://dl.flathub.org/repo/appstream/org.jitsi.jitsi-meet.flatpakref>
- <https://dl.flathub.org/repo/appstream/com.yktoo.ymuse.flatpakref>
- <https://dl.flathub.org/repo/appstream/net.supertuxkart.SuperTuxKart.flatpakref>

## Software from deb Package

- mailspring
- zoom

## Software from AppImage

- morgen
- joplin
- wire
- linphone
- zmninja

## Hints

### Firefox

#### Enable video hardware acceleration

- Open `about:config` in a new Firefox tab
- Set `media.ffmpeg.vaapi-drm-display.enabled` to `true`
- Set `media.ffmpeg.vaapi.enabled` to `true`
- Restart Firefox

#### Enable Web GPU rendering

- Open `about:config` in a new Firefox tab
- Set `gfx.webrender.all` to `true`
- Restart Firefox

#### Disable Microphone/Camera Overlay Icon

- Open `about:config` in a new Firefox tab
- Go to `about:config` and look for the key `privacy.webrtc.legacyGlobalIndicator`, and set it to `false`.
- Restart Firefox

### On MacBook Pro 13" 2013

#### Driver for Facetime HD Camera

#### `/etc/rc.local` (755)

```
#!/bin/bash

/usr/local/sbin/enable_facetimehd.sh

exit 0
```

## /root/.gitconfig (644)

```
[user]
  email = root@<hostname>
  name = root
```

## /usr/local/sbin/enable\_facetimehd.sh (744)

```
#!/bin/bash

KERNEL=`uname -r`
MODULE=/lib/modules/$KERNEL/extra/facetimehd.ko

check_it()
{
  if [ ! $? = 0 ]; then
    echo "Something get wrong!"
    exit 2
  fi
}

new_branch_and_install()
{
  git checkout master; git pull
  git checkout -b $KERNEL
  make
  check_it
  make install
  check_it
  git add -A; git commit -m "`date`"
}

load_module()
{
  depmod
  modprobe -r bdc_pci
  modprobe facetimehd
}

do_install()
{
  cd /usr/local/src

  if [ ! -d facetimehd-firmware ]; then
```

```
git clone https://github.com/patjak/facetimehd-firmware.git
check_it
fi

if [ ! -d bcwc_pcie ]; then
  git clone https://github.com/patjak/bcwc_pcie.git
  check_it
fi

cd facetimehd-firmware
new_branch_and_install

cd ../bcwc_pcie
new_branch_and_install
}

if [ ! -f $MODULE ]; then
  do_install
fi

load_module
```

## Enable "deep" sleep (suspend-to-ram)

**/etc/default/grub:**

```
GRUB_CMDLINE_LINUX_DEFAULT="quiet splash mem_sleep_default=deep"
```

```
update-grub
```