

Install Guide for Ubuntu 20.04 LTS

Written by Robert Oswald, release date: 11.09.2020.

Installation

- Boot from install media
- Select "Install Ubuntu 20.04 LTS"
- Select keyboard layout: German - German (no dead keys)
- Select "Normal installation"
- Installation type: Advanced features
 - 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 from Ubuntu Repository

```
sudo apt install gcc make perl python alacarte software-properties-  
common Seahorse mc unrar net-tools openssh-  
server fsarchiver vim ansible sshpass firefox firefox-locale-  
de Wireshark ding dosbox fs-uae-  
launcher isomaster asunder lame handbrake streamripper default-  
jre pavucontrol libdvd-pkg wine-stable gthumb kodi kodi-pvr-  
iptvsimple keepassxc vlc libreoffice-l10n-de libreoffice-help-de hunspell-de-  
de mythes-de hyphen-de curl flatpak doublecmd-gtk  
  
sudo dpkg-reconfigure libdvd-pkg
```

Software from flathub.org

- darktable
- makemkv
- draw.io

Software from deb Package

- mailspring
- virtualbox
- master-pdf-editor
- zoom
- skype
- notable
- yajhfc
- minder

Software from AppImage

- Gimp
- avidemux
- MineTime

Hints

Firefox

Fix Firefox's Pointy White Window Corners

- Open `about:config` in a new Firefox tab
- Type `mozilla.widget.use-argb-visuals` in the search field

- Check that `Boolean` is selected
- Click the `+` button to add the preference setting
- Restart 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

How to change Ubuntu gdm login resolution

To have the same resolution during the login with gdm as you have in your session you need to copy the `monitors.xml` file from your personal config to the `/var/lib/gdm3/.config` folder.

```
cd; sudo cp .config/monitors.xml /var/lib/gdm3/.config/
```

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_pcie
    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
```

Power Saving on Laptops

powertop

Installation

```
sudo apt-get -y install powertop
```

TLP

Installation

```
sudo apt-get -y install tlp
```

Enable Service

```
sudo systemctl start tlp.service
```