

Install Guide for elementary OS 5.1

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Installation

- boot from install media
- select install elementary
- select keyboard layout: German - German (no dead keys)
- installation type: Encrypt the new elementary installation for security

System Customization

/etc/nsswitch.conf

```
hosts:          files dns
```

/etc/vim/vimrc.tiny

```
set nocompatible
```

/etc/systemd/timesyncd.conf

```
NTP=<ntpserver>
```

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

Software from Repository

```
sudo apt-get -y install software-properties-common
sudo apt-get -y install seahorse
sudo apt-get -y install mc
sudo apt-get -y install unrar
sudo apt-get -y install net-tools
sudo apt-get -y install openssh-server
sudo apt-get -y install fsarchiver
sudo apt-get -y install vim
sudo apt-get -y install ansible
sudo apt-get -y install sshpass
sudo apt-get -y install com.github.donadigo.eddy
```

```
sudo apt-get -y install com.github.artemanufrij.imageburner
sudo apt-get -y install com.github.phase1geo.minder
sudo apt-get -y install firefox
sudo apt-get -y install wireshark
sudo apt-get -y install ding
sudo apt-get -y install dosbox
sudo apt-get -y install fs-uae-launcher
sudo apt-get -y install isomaster
sudo apt-get -y install asunder
sudo apt-get -y install lame
sudo apt-get -y install handbrake
sudo apt-get -y install streamripper
sudo apt-get -y install default-jre
sudo apt-get -y install pavucontrol
sudo apt-get -y install wine-stable
sudo apt-get -y install gthumb
sudo apt-get -y install kodi
sudo apt-get -y install kodi-pvr-iptvsimple
sudo apt-get -y install libdvd-pkg
sudo dpkg-reconfigure libdvd-pkg
```

Software from flathub.org

- keepassxc
- Avidemux
- LibreOffice
- Pitivi
- VLC
- mixxx
- makemkv

Software from Package

- pyrenamer
- mailspring
- virtualbox
- master-pdf-editor
- zoom

Software from ApplImage

- Gimp
- Notable
- MineTime

Backup (Deja Dup)

Installation

```
sudo apt install deja-dup
```

Add Deja Dup Support to Filemanager

Create file `/usr/share/contractor/dejadup-restore.contract` :

```
[Contractor Entry]
Name=Restore missing files in folder
Icon=edit-find
Description=Restores missing files in folder using dejadup
MimeType=inode/directory
Exec=deja-dup --restore-missing %U
Gettext-Domain=deja-dup
```

Create file `/usr/share/contractor/dejadup-revert.contract` :

```
[Contractor Entry]
Name=Revert to previous version...
Description=Revert to a previous version
Icon=edit-find
MimeType=application/octet-stream
Exec=deja-dup --restore %U
Gettext-Domain=deja-dup
```

Log-off and log-on required.

Hints

Add User to Group "audio"

- If sound device HDMI is not showing in sound settings
- Audio should be played in locked mode

Add User to Group "cdrom"

- If CD-ROM access should be available when desktop is locked

On MacBook Pro 13" 2013

Disable S/PDIF Optical Out (red light in audio jack)

- Open alsamixer in a terminal and disable S/PDIF

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
```

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
```