

# Linux Everyday Use

## Ubuntu Linux

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# Agenda

1 Overview

2 Internet

3 Office

4 Movie

5 Audio

6 CD-burning

7 Image

8 Radio

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# Role of the Unit

Ubuntu for everyday use

## Goal

- Through a live presentation of the listed applications I want to give you the impression, that you can do every task you need during your everyday work with a computer, which is running Linux (Ubuntu, Debian, Mint, etc.)
- This involves a lot of multimedia use and special programs, e.g. celestia, too.

## Advantages of Linux/Ubuntu

- No cost ! (no need to pay to Microsoft, etc. allways)
- The most secure operating system
- Open source software
- Best in Privacy

# Advantages of Linux/Ubuntu

## No cost !

- You get Ubuntu free of charge !
- No need to pay for the operating system and other applications, e.g. office .

## The most secure operating system

- It's made by volunteer experts, in a democratic structure

## Open source software

- You can check the source code, what the software really does

## Best in Privacy

- Based on the Open Source code, best privacy is guaranteed.

# Most important, most used applications

## List of topics

### Activities

- Browsing in the Internet
- Read/Write eMails
- Using Office applications
- Playing DVDs
- Playing Movie files
- Playing Audio CDs, audio files
- Ripping Audio CDs
- Burning CD/DVD in different formats
- Listening music-streams
- Listening radio-streams
- Watching TV-streams

# Most important, most used applications

List of topics

## Special applications

- Mount/change CD/DVD images
- Working on sound files
- Astronomy
- Ubuntu Software Center

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# Internet browser, email client

## Internet Browser

- firefox - powerful web browser of the Mozilla Foundation
- arora - lightweight, but powerful enough Web-Kit based web browser
- konqueror - Web browser, file manager, document viewer
- etc.....

## Read/Write Emails

- Thunderbird - Icedove: mail user agent; Mozilla Foundation/based
- evolution - groupware for GNOME
  - e-mail, calendar, addressbook, to-do list and memo tools
- kmail - a powerful email client for the KDE desktop
- etc.....
- Each of these email programs manages GPG encryption

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# Office applications

## Libre Office

### Open Office

- under control of Oracle (bought Sun Microsystems)

### Libre Office

- lowriter - word processor: letter, but producing a book, too
- loimpress - multimedia presentations
- localc - spreadsheet, with lot of calculation features involved
- lodraw - build diagrams and sketches from scratch
- lomath - equation editor for math, chemistry, science
- lobase - database front-end of LO

### pdf viewer

- acroread - the default pdf viewer
- **okular** - KDE's pdf and **document** viewer in KDE4
- xpdf - the original X pdf viewer (less powerful)

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# playing DVD movie

## Squeeze

### Play DVD

- There are some copyright issues for commercial DVDs
  - libdvdcss is needed for playing most commercial DVDs
  - For legal reasons it's not included in Debian (Edu)
  - the package is available from [deb-multimedia.org](http://deb-multimedia.org)
  - If you are legally allowed to use it, install these packages
- Installation squeeze

[http://wiki.debian.org/DebianEdu/Documentation/Wheezy/HowTo/Desktop#Playing\\_DVDs](http://wiki.debian.org/DebianEdu/Documentation/Wheezy/HowTo/Desktop#Playing_DVDs)

- use the Debian Multimedia repository as described
- `sudo apt-get install libdvdcss2 w32codecs`  
`css - contents scramble system`  
libdvdcss is a free and open source software library for accessing and unscrambling DVDs encrypted with CSS.

# playing DVD movie

## Ubuntu

### Play DVD

#### ■ Installation Ubuntu

`http://askubuntu.com/questions/500/ how-can-i-play-encrypted-dvd-movies`

or

`https://help.ubuntu.com/community/RestrictedFormats/PlayingDVDs`

#### ■ Legal warning:

Check with your local laws to make sure usage of `libdvdcss2` would be legal in your area

#### ■ 1. Install `libdvdread4`:

```
sudo apt-get install libdvdread4
```

#### ■ 2. Then install `libdvdcss`:

```
sudo /usr/share/doc/libdvdread4/install-css.sh
```

#### ■ `apt-get install l/k/x/ubuntu-restricted-extras`

# DVD movie players

Blu-ray support

## DVD and Movie players

- vlc - media player
  - <http://www.videolan.org/>
  - supports a lot of codecs
- totem - GNOME desktop movie player, audio player, too
  - based on GStreamer
  - file formats: MP3, Ogg, AVI, ASF, MOV, WMV, QuickTime,...
- smplayer - The best GUI frontend for MPlayer
- mplayer/mencoder - movie player, movie encoder CLI
  - mplayer is a movie player for Linux, but multiplatform
  - you can watch DVD, Blu-ray, 3ivx, DivX 3/4/5, WMV, H.264
  - plays: MPEG/VOB, WMV, QT/MOV/MP4, Ogg/OGM, MKV, etc

## Play movie files - live presentation

- smplayer, vlc, totem, etc...

# Movie editors

## DVD authoring

### Create a DVD

- [mistelix](#) - graphical DVD authoring application
- [bombono-dvd](#) - Debian DVD authoring –



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## Audio CD - audio files

### Play audio-CD

- sound-juicer - an audio CD extractor
- goobox - CD player, extractor
- kscd - KDE CD player
- rhytmbox - CD player, mp3 player; radio-, music-streams

### Play audio files

- amarok - the KDE audio player
- audacious - an advanced audio player
- audacity - crossplatform audio player, editor –

### Rip audio CD

- asunder - CD ripper and encoder
- goobox — graphical CD player and ripper for GNOME
- sound-juicer - an audio CD extractor

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# Burning CDs

## Burn CD/DVD

- K3B - KDE CD/DVD burning program
- brasero - GNOME CD/DVD burning program

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# Most important, most used applications

Image viewer, manager, processor

## Image viewer/ picture archive manager

- GIMP - GNU image manipulation program
- gthumb - image browser and viewer
- digikam - digital photo management application for KDE
- showfoto - digiKam Photo Viewer
- shotwell - a digital photo organizer

## General programs

- okular - a universal document viewer for KDE-4

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# Radio services, Music streaming

FM radio, internet radio, Music streaming

## FM radio

- gnomeradio

## Internet radio

- rhythmbox - radio support, too
- radiotray - a simple streaming music player –
- tunapie - browse, record and launch Shoutcast and Icecast video and radio streams –

## Store streaming data

- kradoripper - kde frontend for streamripper
- streamripper - rip shoutcast radio streams to mp3 files



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# Music streaming

## Applications

- amarok
- rhythmbox
- streamtuner

<http://wiki.ubuntuusers.de/Internetradio>

[http://ubuntuguide.org/wiki/Ubuntu\\_Precise\\_Media\\_Players](http://ubuntuguide.org/wiki/Ubuntu_Precise_Media_Players)

- full description of all media players

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# TV streaming

## Applications

- freetuxtv
- streamtuner

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# Working with CD/DVD ISO images

## Mount CD/DVD Images

- acetoneiso - feature-rich program to mount/manage CD/DVD images
- isomaster - an ISO image editor (extract/add files, bootable ISO)
- Gnome-iso - the GNOME ISO image manager

# Astronomy applications

## Applications

- Kstars
- Celestia
- Marble (using OpenStreetMap, [www.osm.org](http://www.osm.org))

# Installing SW packages

## Ubuntu Software Center

Live presentation how to use the Software Center



# Using Ubuntu

Enjoy Using Ubuntu !

# End of Ubuntu everyday use

Thank you for your attention !