

Video Editing with KDeLive

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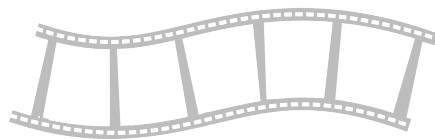
Overview

- Introduction
- Capturing video
- Basic video editing
- More advanced features
- Audio editing
- Rendering the video



Introduction

- Web site: <https://kdenlive.org>
- History
 - Has been around for many years
 - Originally developed for KDE windows manager under Linux
 - Now fully usable under Linux, Windows, Mac*



Capturing video

- Screen capture (video, audio, microphone)
 - Zoom can be used as a simple high quality screen capture app, up to 4K.
 - OBS Studio is a powerful open source screen capture software, for more demanding users: <https://obsproject.com>
- Simulation results
 - Many research software can generate image sequences, which KDenLive can convert to video clips.
- Live video
 - Video recorded with camcorders, smart phones etc.



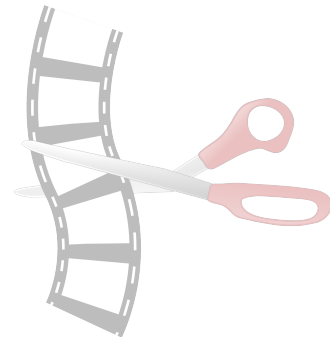
Basic video editing

- Main KDEnLive elements
- Loading inputs
- Saving / restoring layouts
- Projects
- Simple paste and cut editing
- Fixing bad video parts



More advanced features

- Transitions
- Combining multiple video and/or audio tracks
- Using transparency (alpha channel)
- Accelerating or slowing down parts of the video
- Subtitles



Audio editing

- Audacity: powerful multi-platform audio editor
 - <https://www.audacityteam.org>
 - Spectral noise reduction
 - Normalizing the volume
- Aligning different audio tracks in KDeEnLive



Rendering the video

- Picking the right format and quality settings
 - Should work for most uses: MP4-H264/AAC
 - Quality (quantizer): smaller is better quality; 23 is good, can be as low as 3 for computer generated video
- Creating your own presets



Thank you!

Questions?

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