



Call for Proposals: Developer for OpenTimelineIO C++ integration in Kdenlive

About Kdenlive

Kdenlive is a Free and Open-Source video editing application mainly written in C++ and based on MLT Framework, Qt and KDE Frameworks 6. It is distributed under the GNU General Public License Version 3 or any later version that is accepted by the KDE project. It is available on all major desktop platforms, reaching more than 100,000 users per release on Linux, Windows and macOS.

Kdenlive is part of KDE, an international technology community dedicated to developing Free and Open-Source Software. KDE products are used by millions of home and office workers, and are being deployed in schools around the world. KDE e.V. is the legal organization behind KDE, representing and supporting the community.

About the task

OpenTimelineIO is an open source API and interchange format for editorial timeline information. (see <https://opentimeline.io/>).

While Kdenlive has an old python-based plugin for OpenTimelineIO (OTIO) already, this approach has some limitations and is not the recommended way to integrate OTIO. OpenTimelineIO also provides C++ bindings that would be more practical as we would not depend on Python modules.

We are looking for a person to implement an OpenTimelineIO C++ integration in Kdenlive.

An existing Proof of Concept Merge Request can be found here:
https://invent.kde.org/multimedia/kdenlive/-/merge_requests/473

Additional technical details of the task are collected in this issue:
<https://invent.kde.org/multimedia/kdenlive/-/issues/1916>

The task will require to:

- If not already done, create a KDE account to be able to submit your work and interact with the team
- Write a proper C++ OpenTimelineIO module for Kdenlive allowing to import and export the project timelines using the OTIO format

- Write tests for your code
- Write a report about your work at the end of the project

Ideal qualifications and skills

- Experience in C++
- Knowledge about the basic concepts of video editing in general
- Knowledge of OpenTimelineIO a plus, but not a hard requirement
- English for communication with the Kdenlive team
- Experience working in public as part of an open community
- History of contributions to KDE a plus, but not a hard requirement

Administrative details

- Type: Independent Contractor Agreement
- Location: Remote
- Payment: 3,500€ in total, payed on completion of the task
- Estimated working time (not binding): 2,5 weeks (40 hours per week)
- Type: project based / freelance
- Paid by "Werkvertrag" (self-employed)

How to apply

Please send your application by email to team@kdenlive.org with "OpenTimelineIO job task" in the subject line. Do not hesitate to contact us at the same address if you have any questions.