

# **SIG**

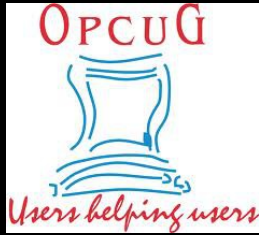
## ***Linux / Open Source Software***



**Video Editing**

**Antonio Misaka**

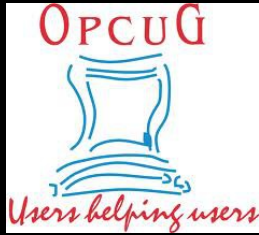
**Sept 10, 2014**



# *Video Editing*

## Agenda

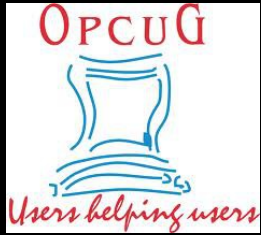
- Video Editors
- Kdenlive
- Kdenlive installation
- Kdenlive configuration
- Kdenlive demonstration



# *Video Editing*

## Video Editors

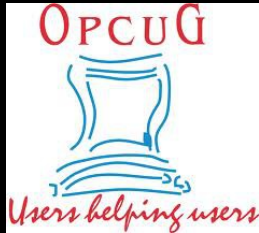
- Cinelerra (Linux)
- Pitivi (Linux, FreeBSD)
- Kdenlive (Linux, FreeBSD, Mac OS X)
- Kino (Linux, FreeBSD) – Dead – Aug 2013
- VideoLan Movie Creator – VLMC  
(Linux, Mac OS X, Windows) -> **Unstable**



# *Video Editing*

## **Cinelerra (Linux)**

- Heroine Virtual
- Video editing and compositing software package
- Very high-fidelity audio and video
- Audio 64 bit of precision
- RGBA and YUVA color spaces
- Resolution and frame rate-independent



# *Video Editing*

## **Pitivi (Linux, FreeBSD)**

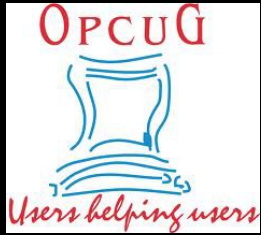
- Collabora Multimedia
- 1<sup>st</sup> video default movie editor with Ubuntu 10.04 (Lucid Lynx)
- Removed from Ubuntu 11.10 (Oneiric Ocelot)
- Gnome Foundation – February 2014  
€100,000



# *Video Editing*

## **Kdenlive (Linux, FreeBSD)**

- All of the formats supported by Ffmpeg
- Supports 4:3 and 16:9
- Aspect ratios for both PAL, NTSC and various HD standards
- Current version 0.9.8



# *Video Editing Installation*

```
Terminal  
amisaka@holistic-apm:~$ sudo apt-get update && sudo apt-get install kdenlive
```





# Video Editing Installation

```
Terminal
Setting up libsox-fmt-alsa:amd64 (14.4.1-3ubuntu1) ...
Setting up libsox-fmt-base:amd64 (14.4.1-3ubuntu1) ...
Setting up virtuoso-opensource-6.1-common (6.1.6+repack-0ubuntu3) ...
Setting up libvirtodbc0 (6.1.6+repack-0ubuntu3) ...
Setting up nepomuk-core-runtime (4:4.13.3-0ubuntu0.1) ...
Setting up recordmydesktop (0.3.8.1+svn602-1ubuntu3) ...
Setting up swh-plugins (0.4.15+1-7) ...
Setting up ttf-dejavu-core (2.34-1ubuntu1) ...
Setting up virtuoso-opensource-6.1-bin (6.1.6+repack-0ubuntu3) ...
Setting up virtuoso-minimal (6.1.6+repack-0ubuntu3) ...
Setting up dvgrab (3.5-2) ...
Setting up ntrack-module-libnl-0 (016-1.2ubuntu2) ...
Setting up libntrack0 (016-1.2ubuntu2) ...
Setting up libntrack-qt4-1 (016-1.2ubuntu2) ...
Setting up kde-runtime (4:4.13.3-0ubuntu0.1) ...
update-alternatives: using /usr/lib/kde4/libexec/kdesu-distrib/kdesu to provide
/usr/lib/kde4/libexec/kdesu (kdesu) in auto mode
Setting up kdenlive (0.9.6-5ubuntu1) ...
Setting up qapt-batch (2.1.70-0ubuntu4.2) ...
Setting up kubuntu-debug-installer (13.10ubuntu1) ...
Processing triggers for libc-bin (2.19-0ubuntu6.3) ...
Processing triggers for menu (2.1.46ubuntu1) ...

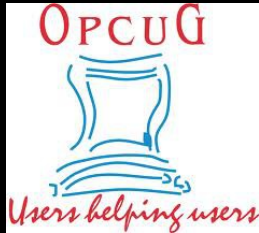
amisaka@holistic-apm:~$
```



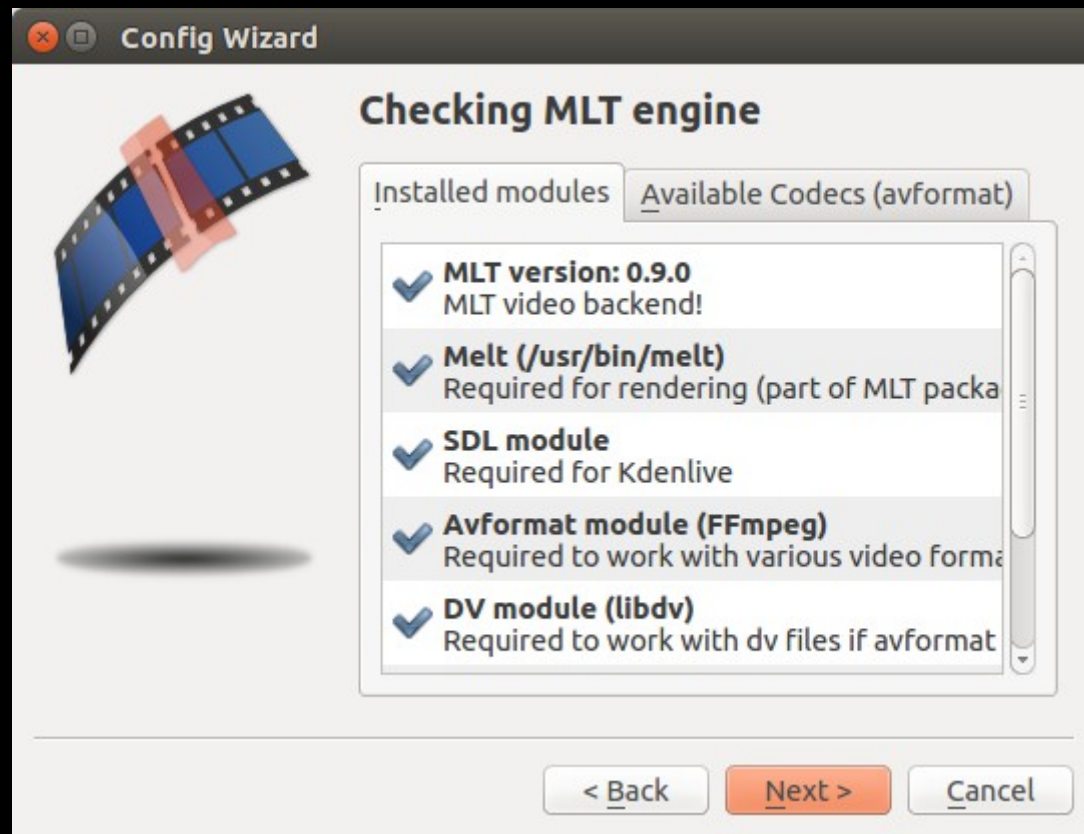


# Video Editing Configuration



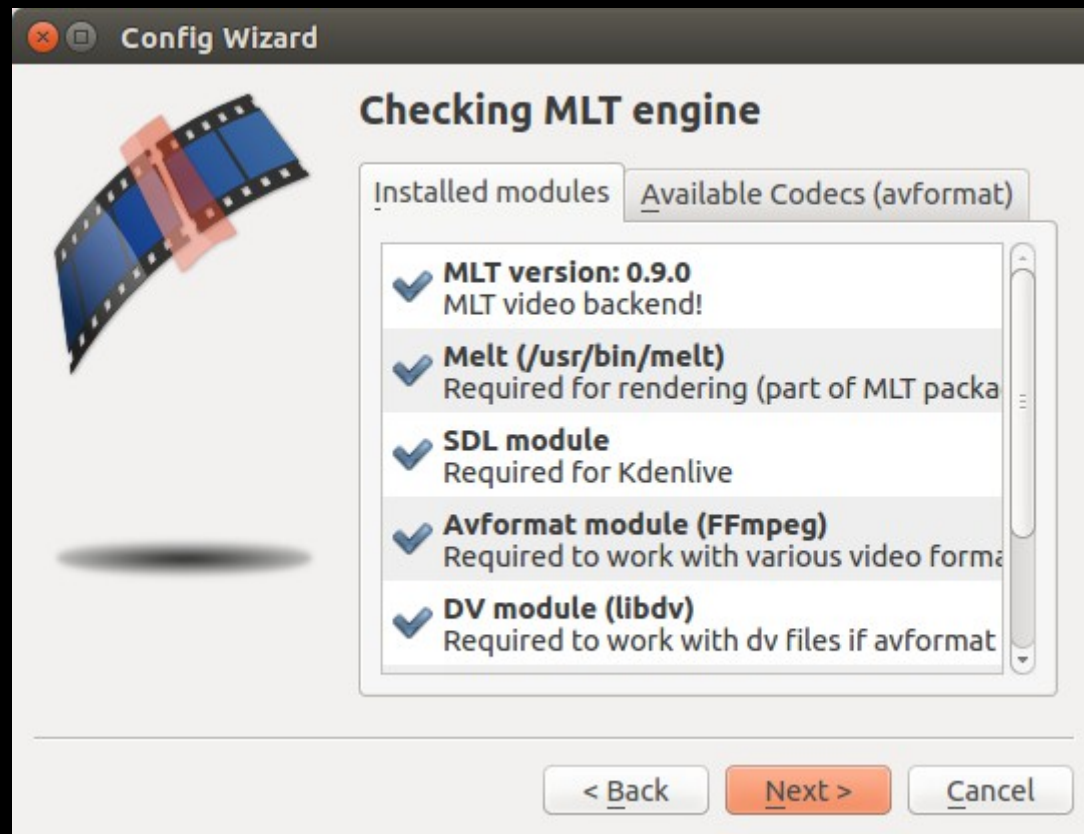


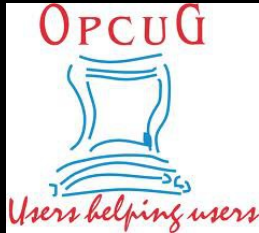
# Video Editing Configuration



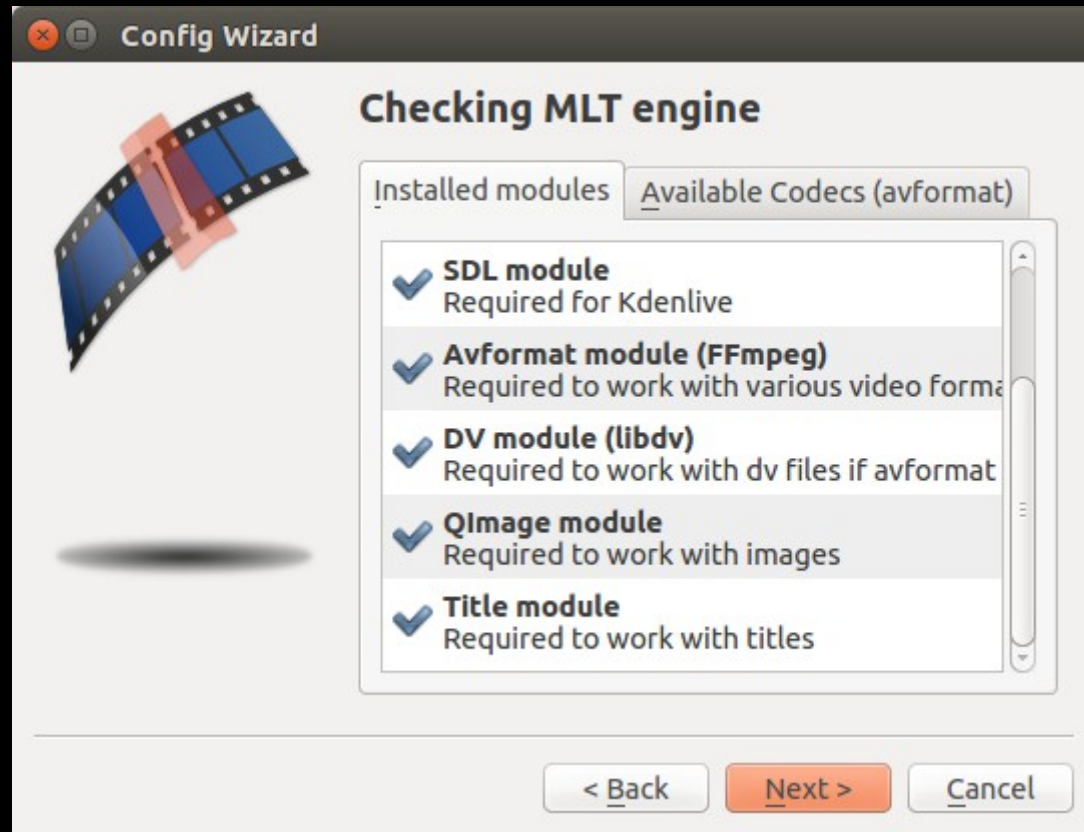


# Video Editing Configuration





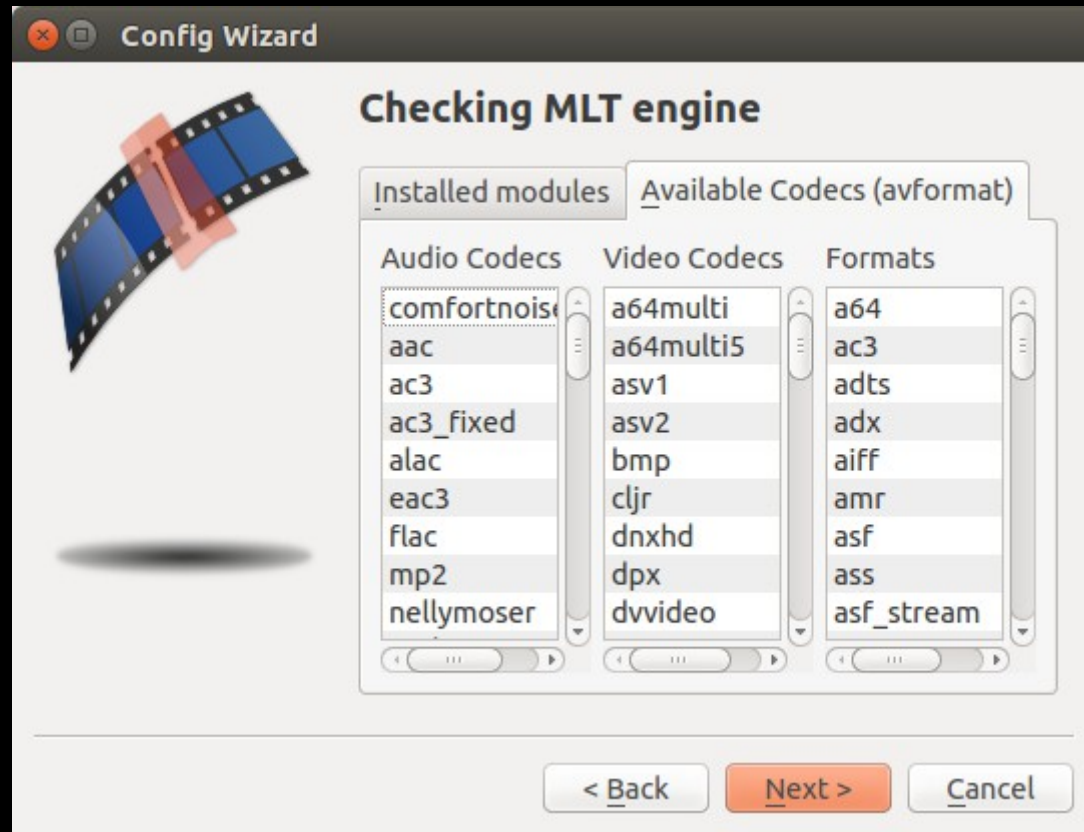
# Video Editing Configuration







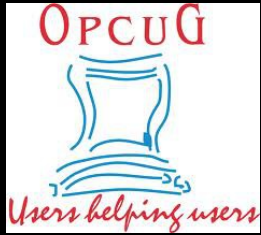
# Video Editing Configuration





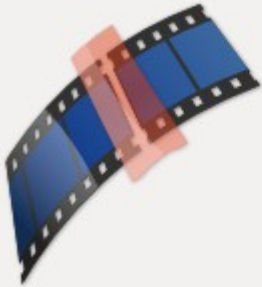
# Video Editing Configuration





# Video Editing Configuration

Config Wizard



## Capture device

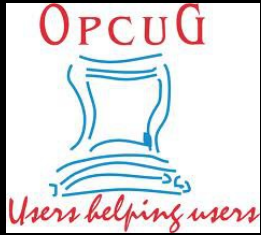
Capture format:

No Blackmagic Decklink device found

< Back   Next >   Cancel

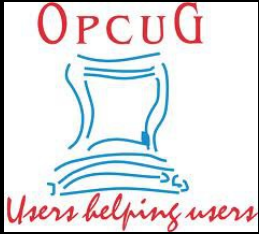
The screenshot shows a 'Config Wizard' window with a film strip icon on the left. The main area is titled 'Capture device' and contains three dropdown menus. The first dropdown is empty, followed by a 'Check' button. The second dropdown is labeled 'Capture format:' and is also empty. The third dropdown is labeled 'No Blackmagic Decklink device found' and is empty. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.



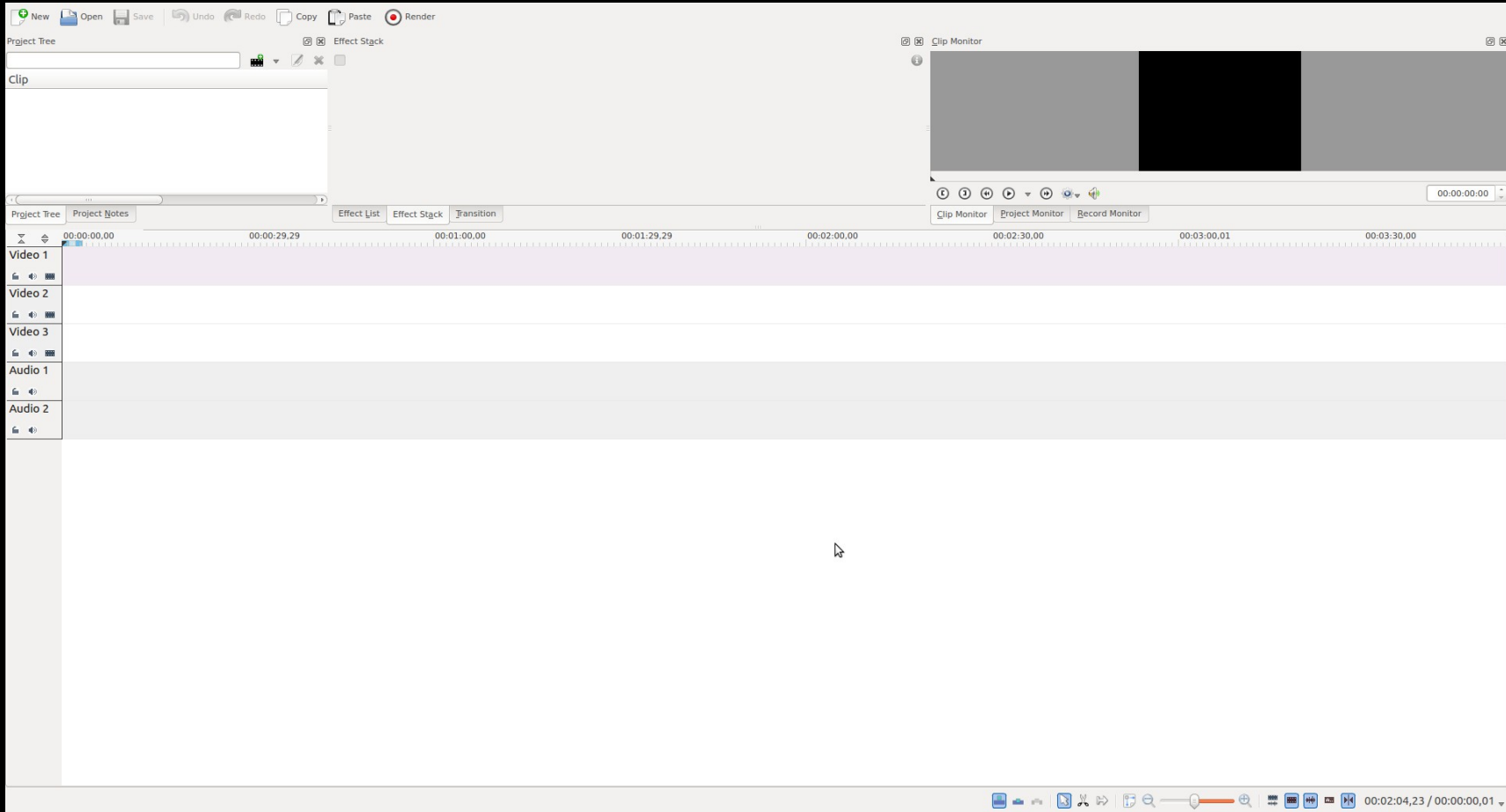


# Video Editing Configuration

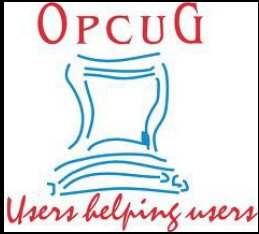




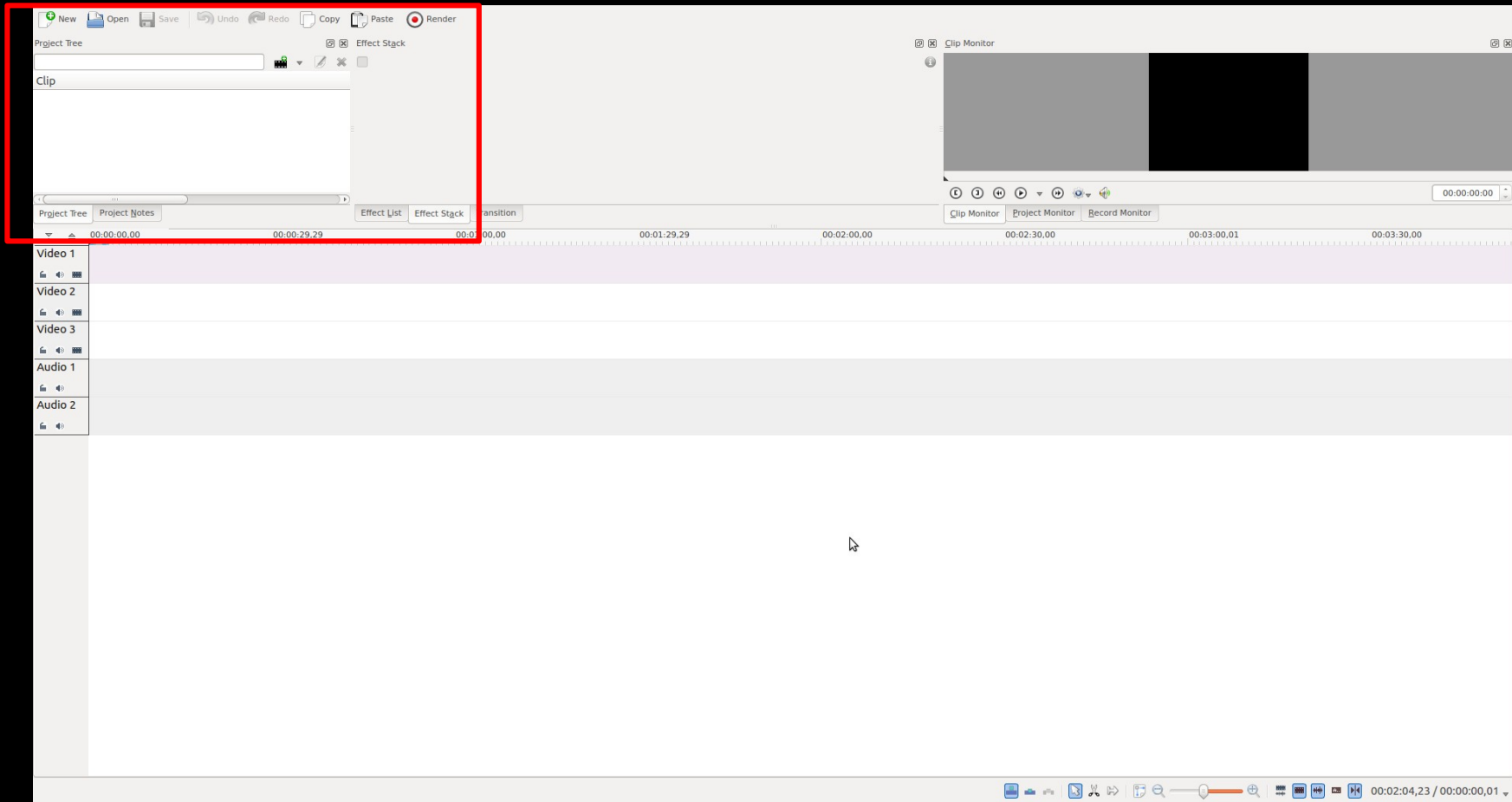
# Video Editing Configuration



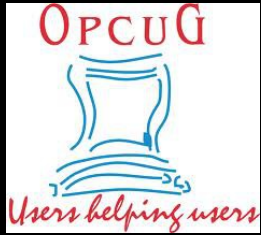
4



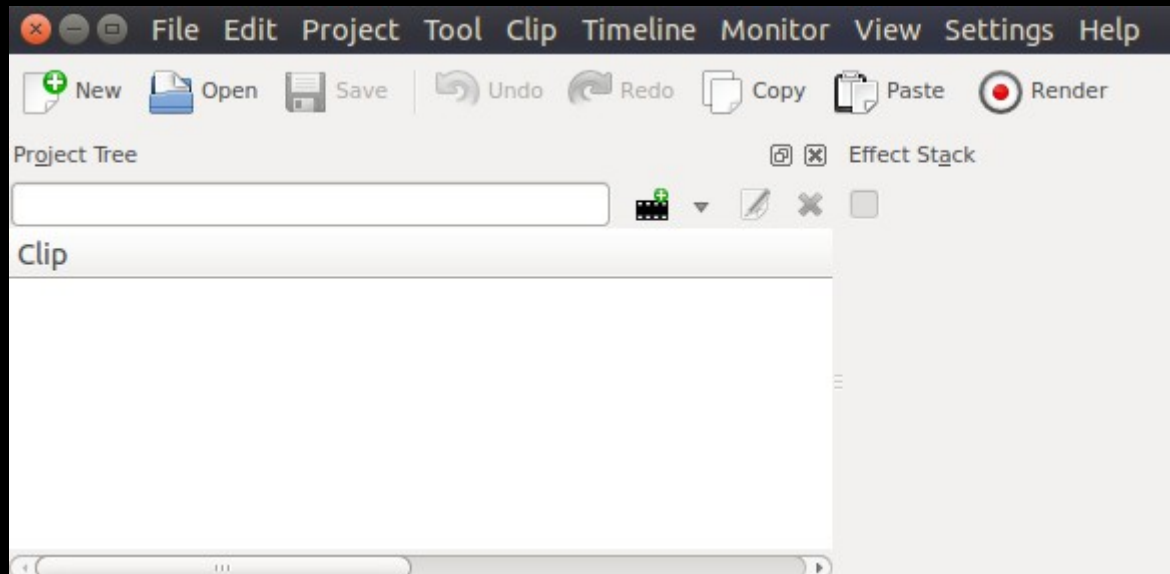
# Video Editing Configuration



4

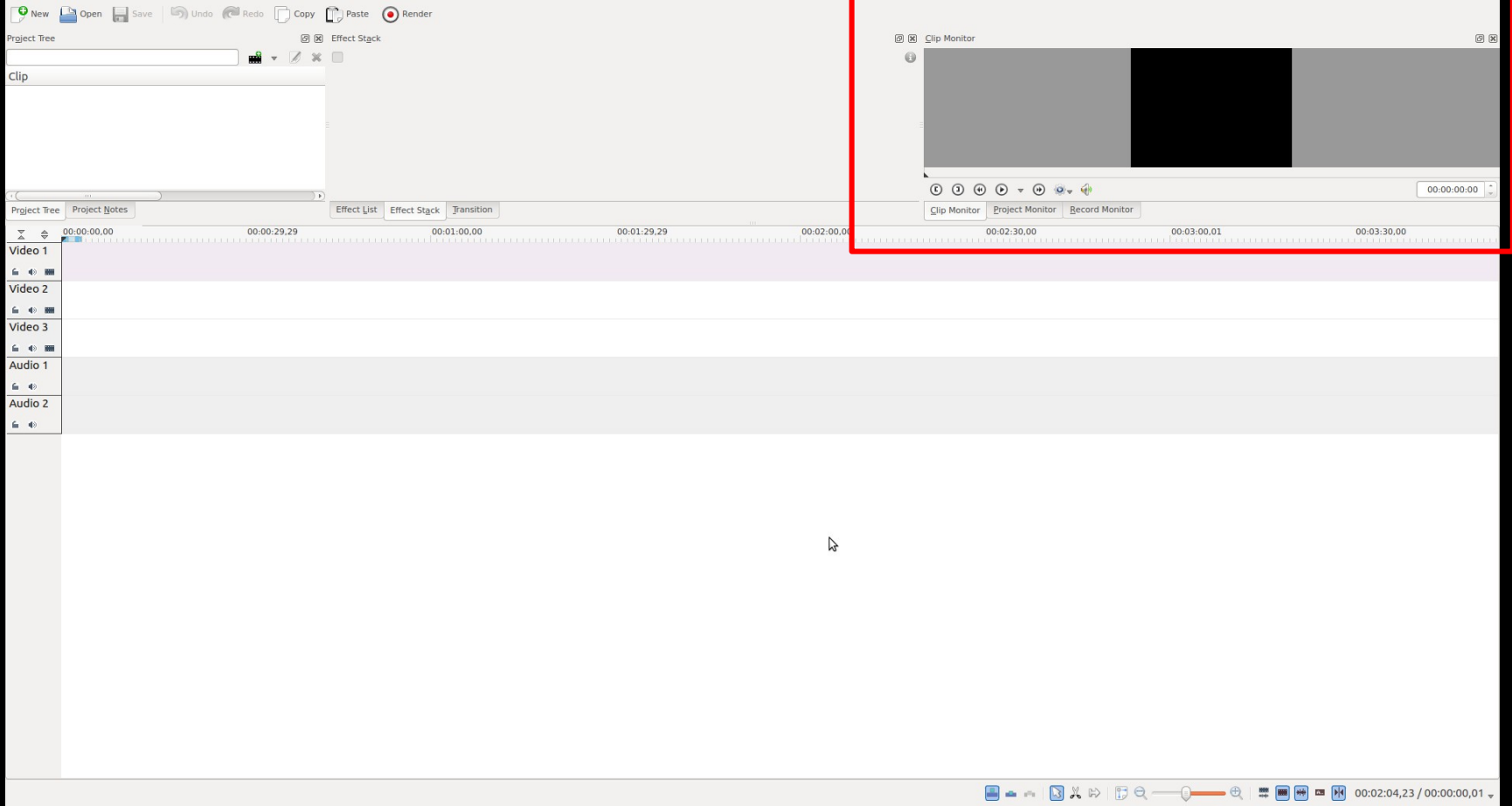


# Video Editing Configuration

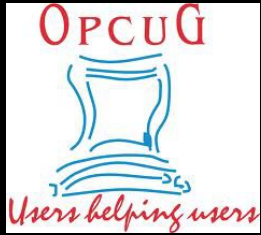




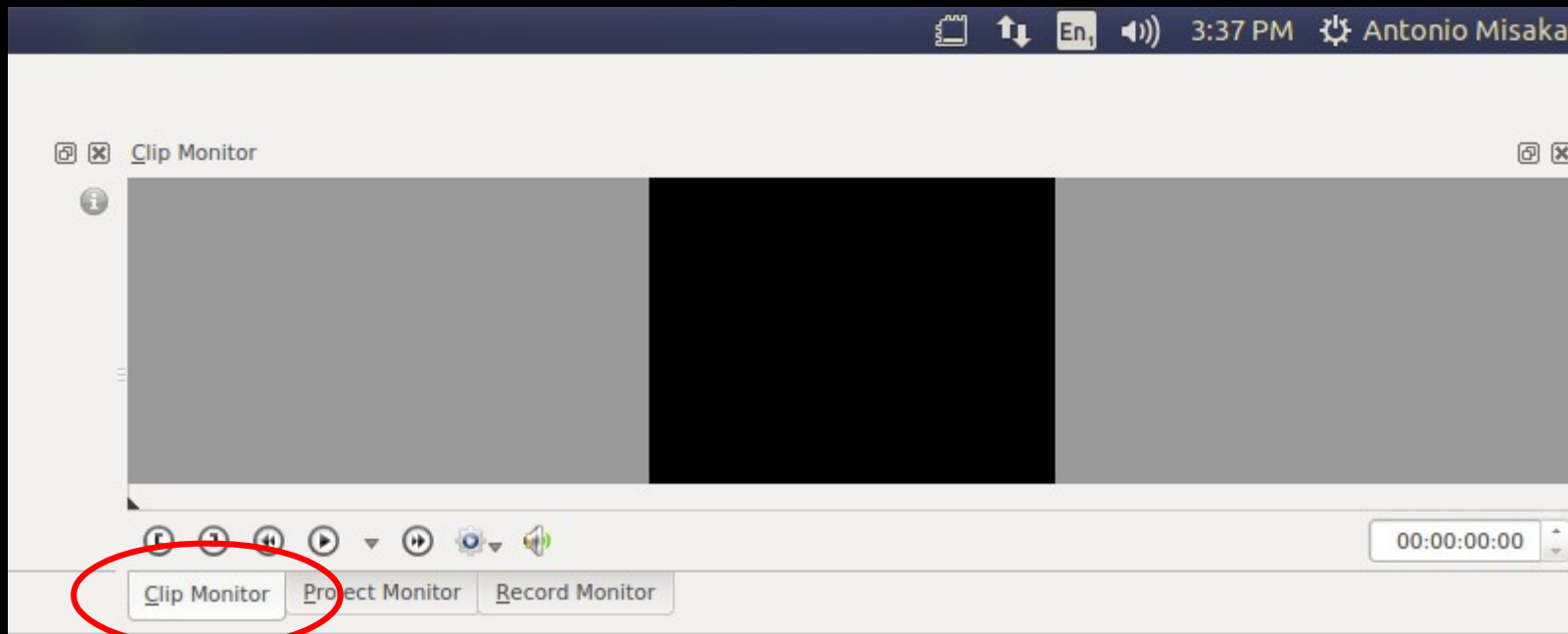
# Video Editing Configuration

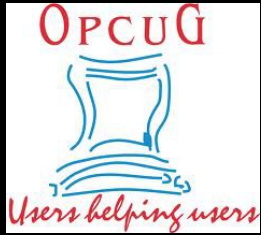


4

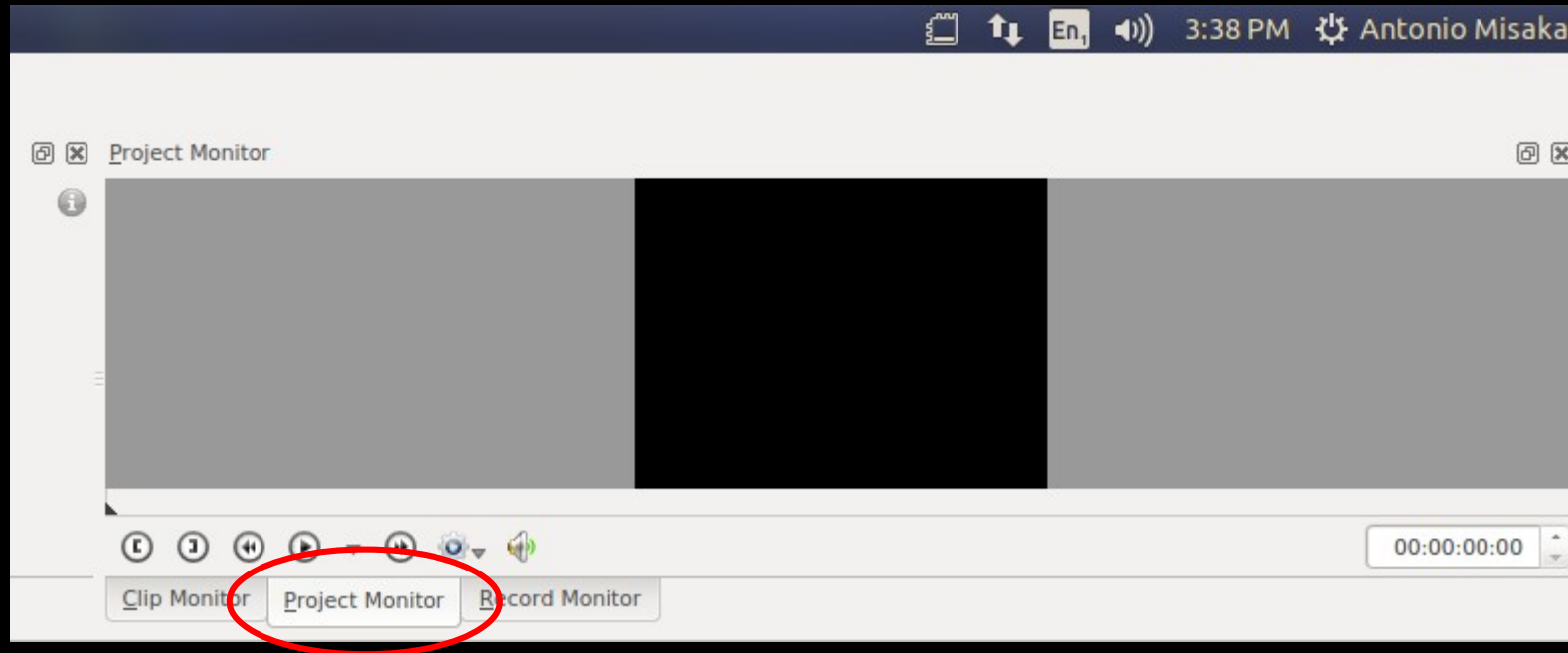


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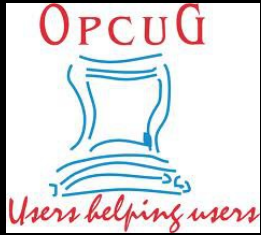




# Video Editing Configuration







# Video Editing Configuration

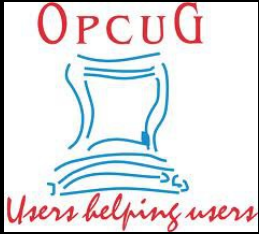
Record Monitor

Plug your camcorder and press connect button to initialize connection  
Files will be saved in:  
/home/amisaka/kdenlive/capturexxx.dv

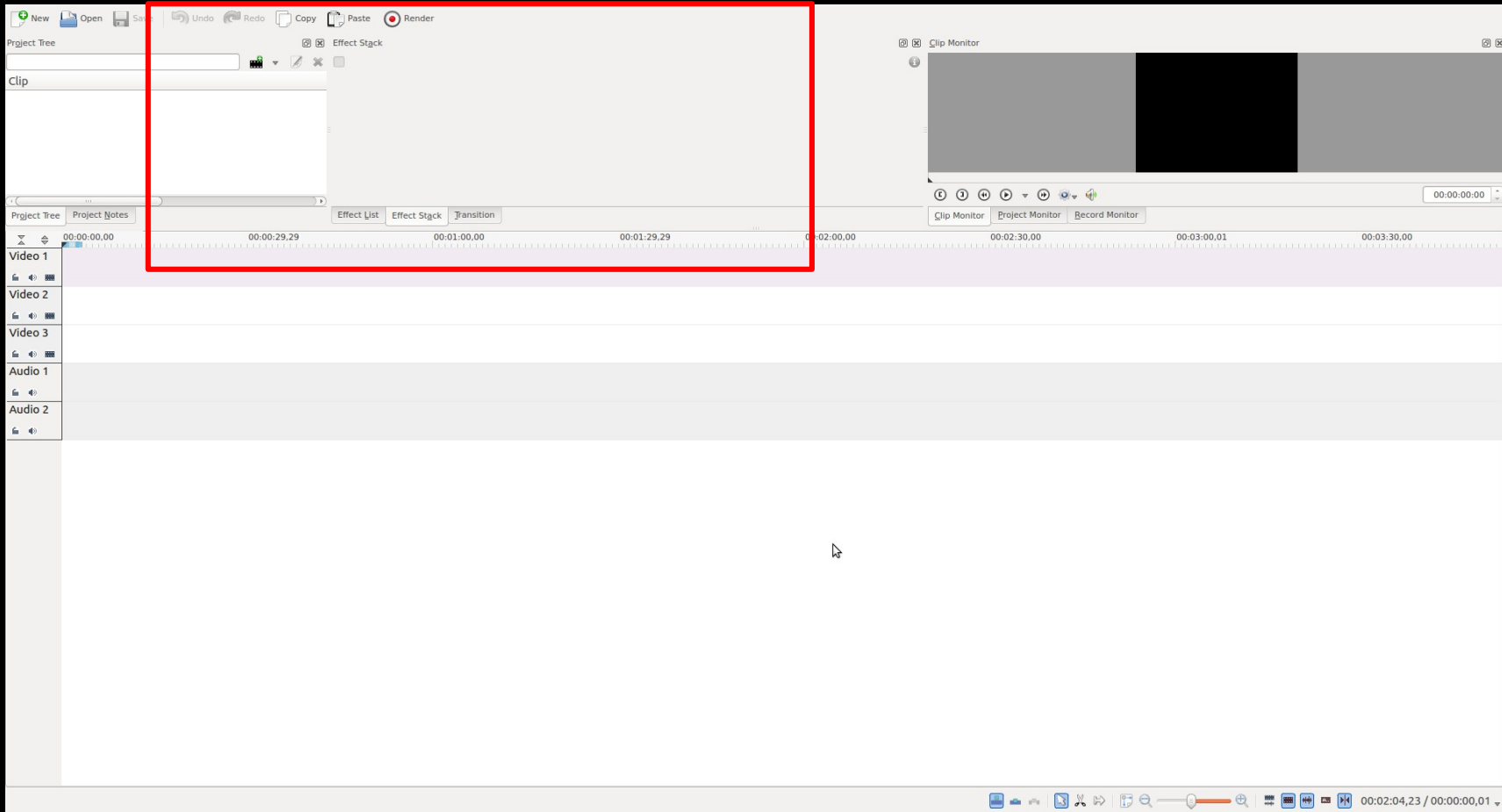
Free space: 314.8 GiB

Firewire

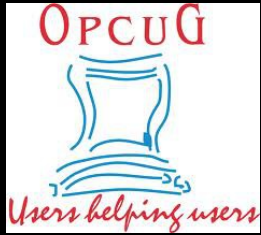
Clip Monitor Project Monitor **Record Monitor**



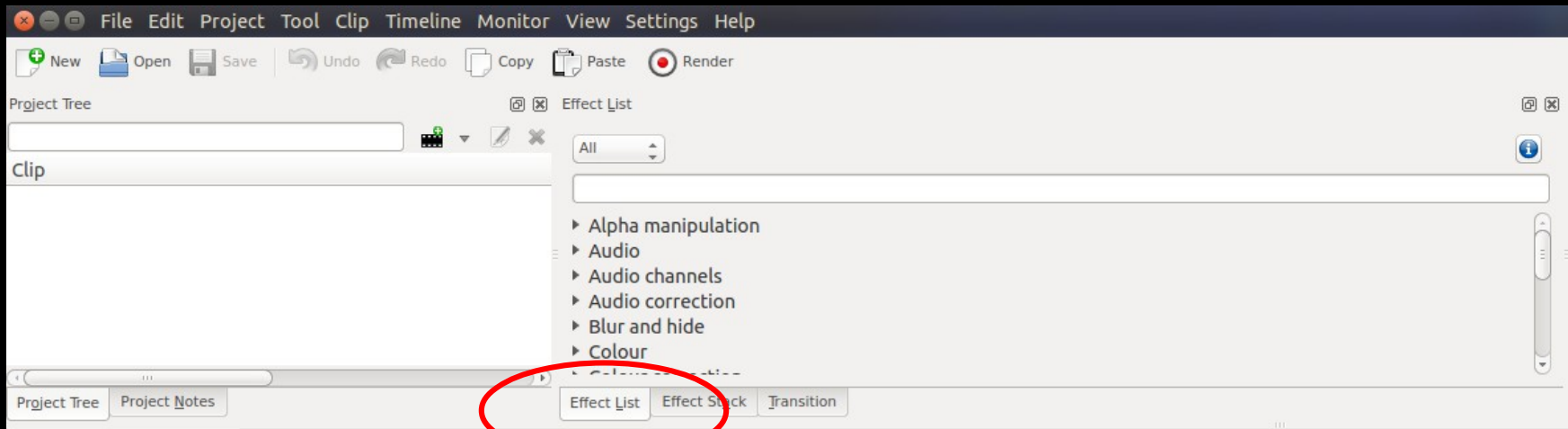
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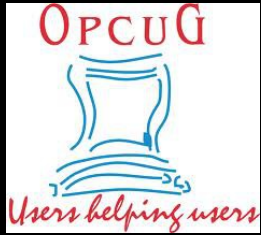


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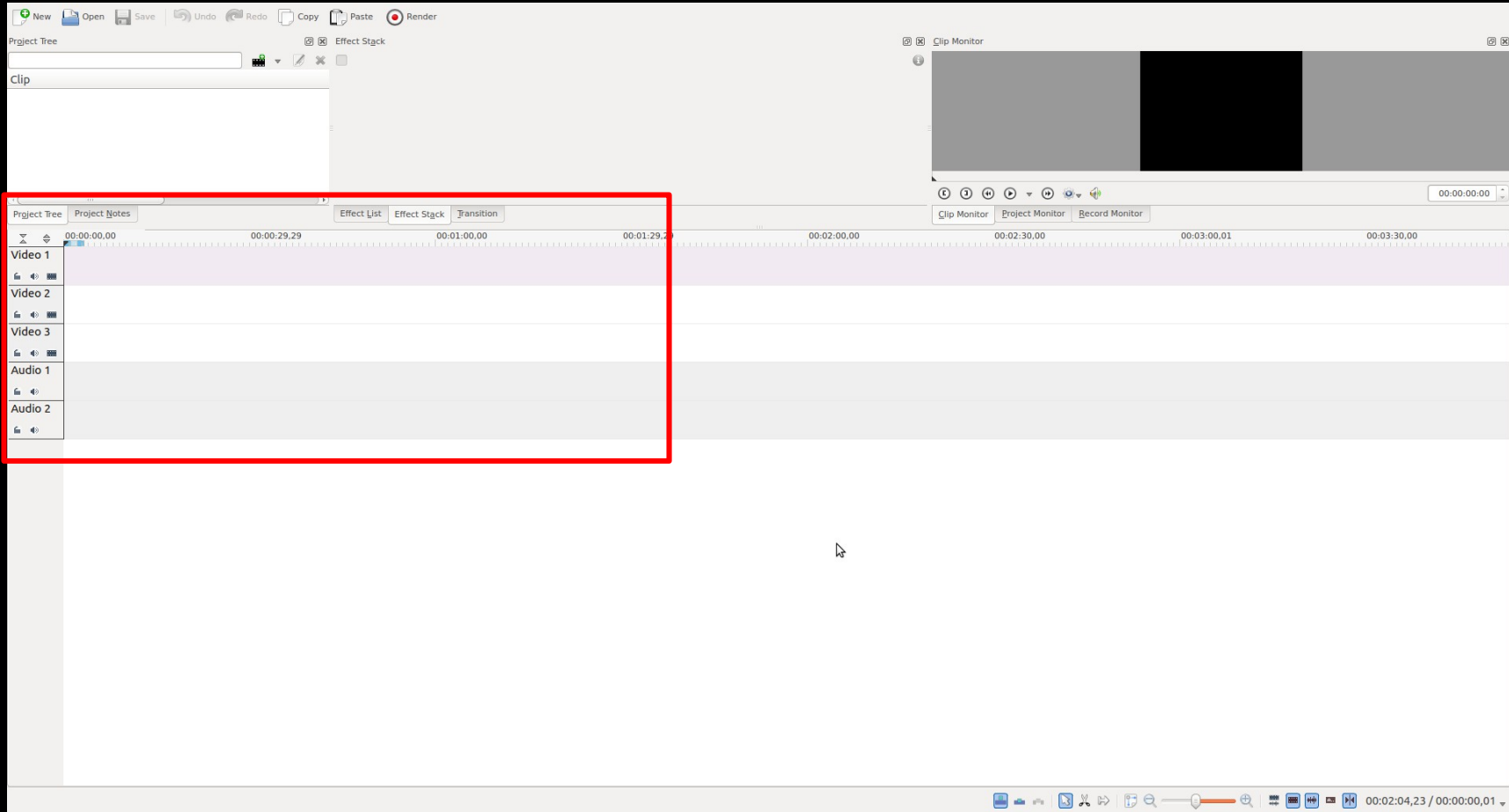


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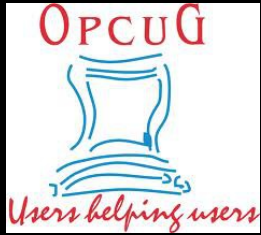




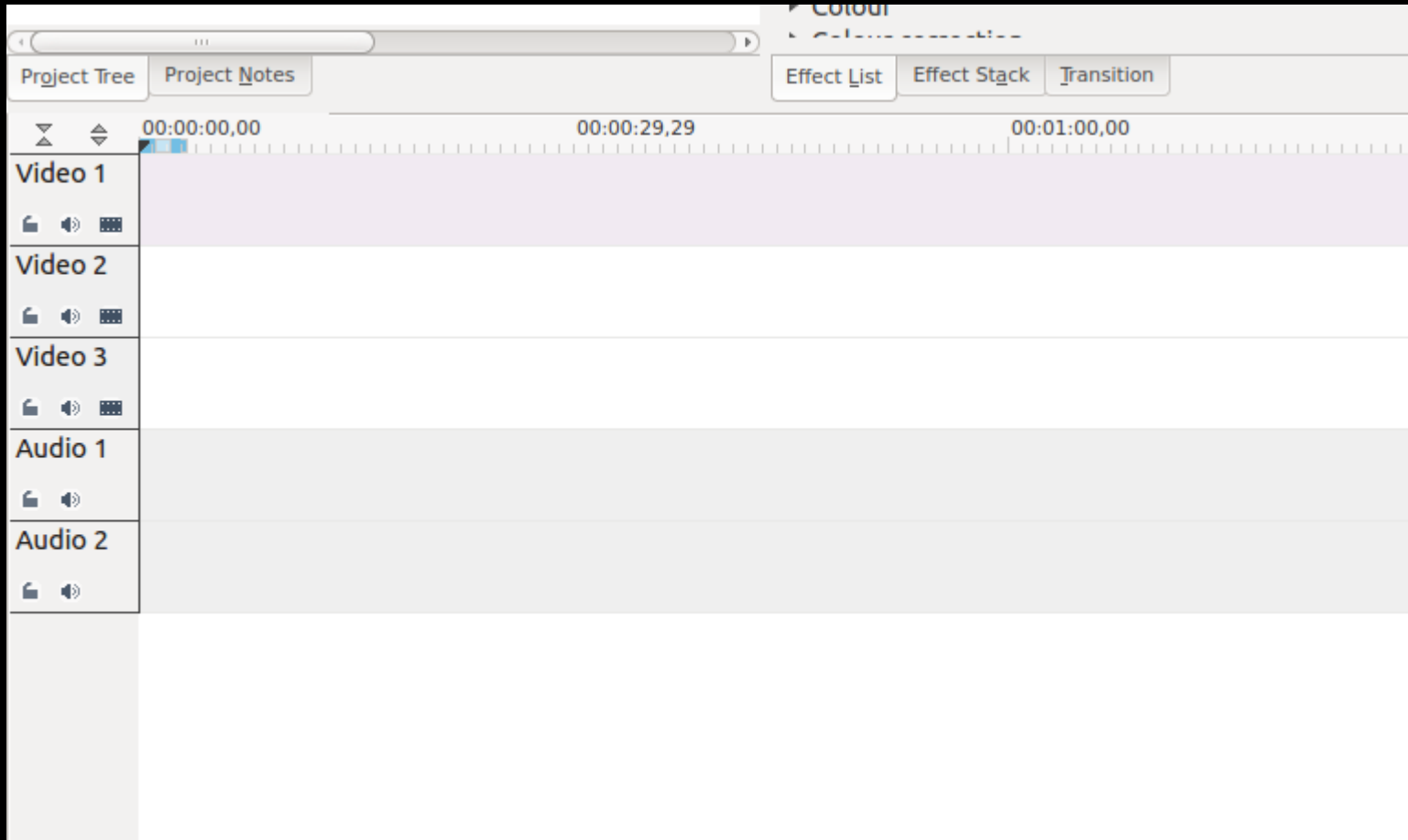
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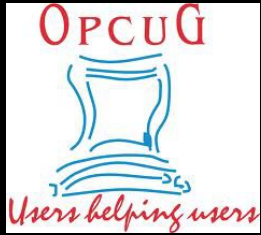


4



# Video Editing Configuration





# *Video Editing Configuration*

## DEMO