Creating Video Tutorials with SimpleScreenRecorder

Tushar B. Kute,
http://tusharkute.com

Why This Presentation?

- Goal:
  - To empower you to create high-quality video tutorials using free, open-source tools on Ubuntu.
- Who is this for?
  - Anyone using Ubuntu who wants to share their knowledge visually.
- What you'll learn:
  - How to install, configure, record, and finalize a video tutorial with SimpleScreenRecorder (SSR).
- Key takeaway:
  - Creating professional-looking tutorials doesn't require expensive software or a complex setup.

What is SimpleScreenRecorder?

- A powerful, Qt-based screen recording application for Linux.
- Key Features:
  - Records the entire screen, a fixed rectangle, or follows the cursor.
  - Synchronizes audio and video properly.
  - Pauses and resumes recording on-the-fly (Hotkey: Ctrl+R).
  - Shows a live preview during recording.
  - Designed to be powerful yet straightforward.
- Why SSR?
  - It's lightweight, efficient, and offers more granular control than many other screen recorders.

Step 1 - Installation

- The Easy Way: Using the Terminal
- Step 1.1: Add the PPA (Personal Package Archive)
  - PPA is (a repository for software).

```
sudo add-apt-repository ppa:maarten-baert/simplescreenrecorder
```

Step : Update and Install

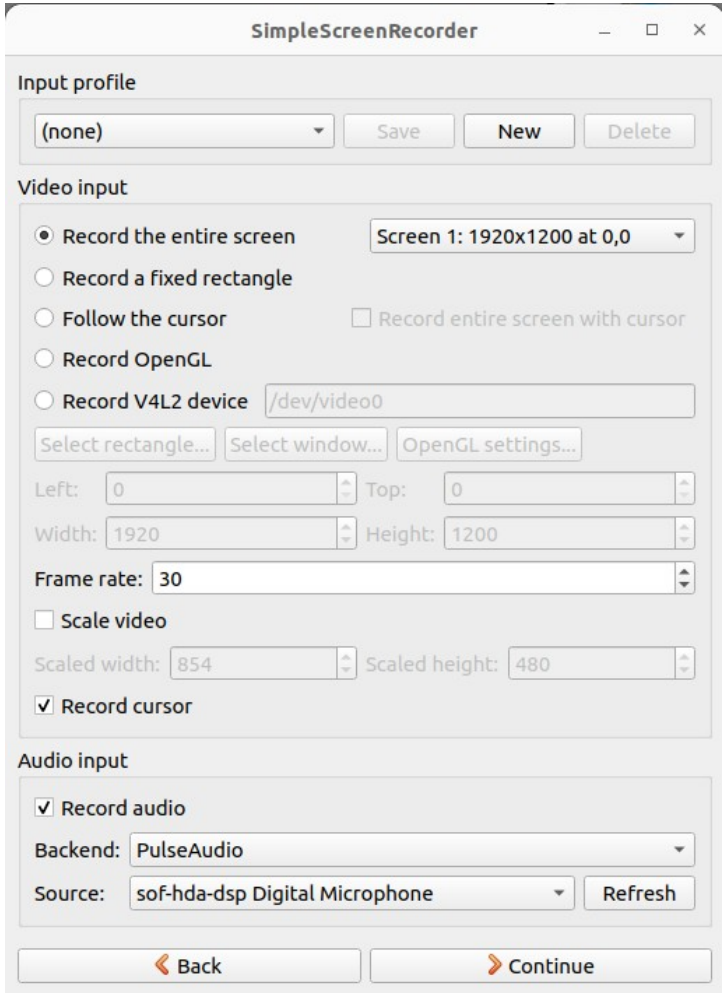
- Step 1.2: Update Your Package List

  ```
  sudo apt-get update
  ```

- Step 1.3: Install SimpleScreenRecorder

  ```
  sudo apt-get install simplescreenrecorder
  ```

The Welcome Screen & Initial Setup



The Welcome Screen & Initial Setup

- Breakdown of the Interface:
  - Video Input: What you want to record (your screen).
  - Audio Input: The source of your sound (your microphone).
  - Output Format: How the video will be saved.
  - Buttons: Continue, Save/Load Profile, Cancel.
- Recommendation:
  - "For now, we'll go through the settings one by one. Click 'Continue'."

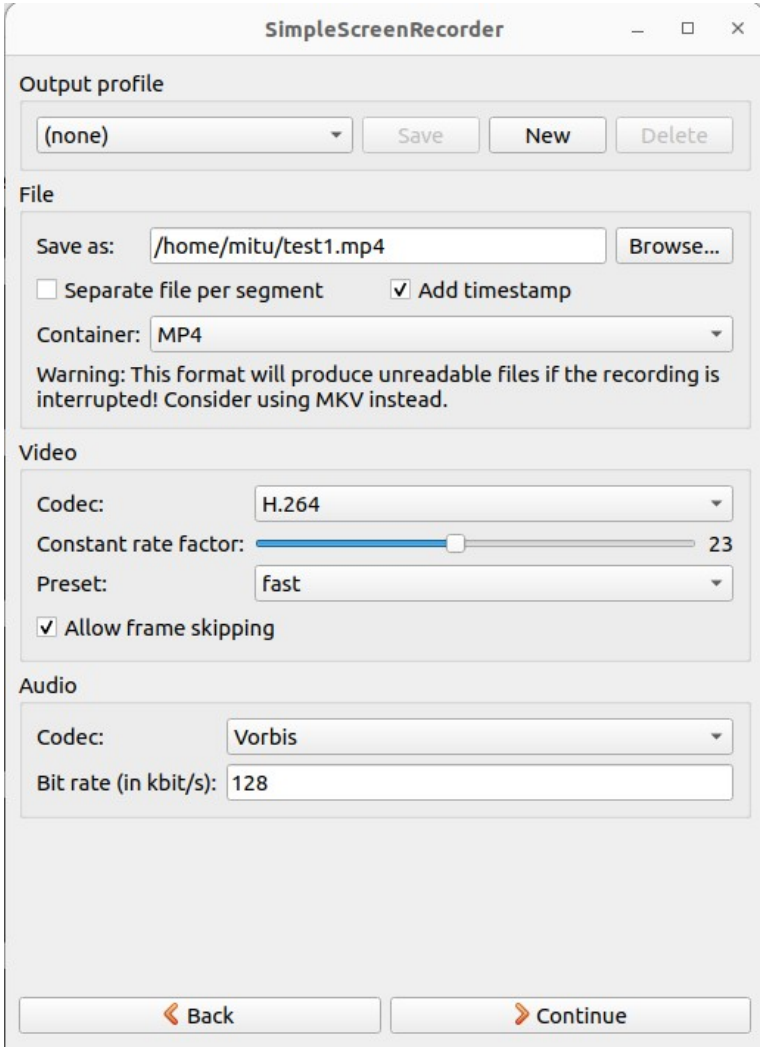
Configuring Video Input

- Record the entire screen:
  - Select the correct monitor for multi-monitor setups.
- Record a fixed rectangle:
  - Click and drag to define an area. Great for focusing on one window.
- Follow the cursor:
  - The recording area moves with your mouse.
- Frame Rate:
  - Explain what it is (frames per second). 30 FPS is standard for tutorials. 60 FPS for smooth motion (e.g., gaming).
- Record cursor:
  - Keep this checked so viewers can see where you're clicking.

Configuring Audio Input

- Record audio: Ensure this box is checked.
- Audio Source:
  - Explain the difference between ALSA and PulseAudio (PulseAudio is usually the default and easiest).
  - Show how to select the correct microphone from the "Source" dropdown (e.g., "Built-in Audio Analog Stereo" or your USB mic's name).
- Pro-Tip:
  - Do a quick test recording to ensure your mic is working before recording a long tutorial.

Choosing Output File and Codecs



Choosing Output File and Codecs

- File Location & Name:
  - Save as: Choose a clear name and location for your video file.
- Container (Format):
  - MP4: Recommended. It's universally compatible.
- Video Codec:
  - H.264 (libx264): The standard for web video. Excellent quality and compression.
  - Constant Rate Factor (CRF): Explain this simply. Lower number = higher quality and larger file size. A value of 21-23 is a great starting point.
- Audio Codec:
  - AAC or MP3: Both are good choices. AAC is slightly more modern.

Recording Your Tutorial!

- The Big Moment:
  - Click "Start recording" or use the default hotkey (Ctrl+R).
  - A red circle/icon will appear in your system tray indicating recording is active.
- Best Practices During Recording:
  - Speak clearly and calmly.
  - Move your mouse deliberately. Avoid frantic movements.
  - If you make a mistake, pause, take a breath, and redo that part. You can edit it out later.
- Use the "Pause recording" feature for any setup that takes time.

Finalizing the Recording

- Once finished, click the "Save recording" button in the SSR window.
- IMPORTANT:
  - Wait for SSR to finish encoding. A progress bar will show the status. Don't close the window until it says "Recording saved."
- Navigate to the file and play it back to check the result.

Summary

- Recap the 6 steps:
  - Install -> Welcome -> Video Input -> Audio Input -> Output -> Record.
- Reiterate the key settings (MP4, H.264, CRF 23, PulseAudio).
- Emphasize that with SSR, you have a complete, free production suite at your fingertips.

Thank you

@mitu_skillologies

@mITuSkillologies

@mitu_group

@mitu-skillologies

@MITUSkillologies

kaggle

@mituskillologies

Web Resources
https://mitu.co.in
http://tusharkute.com

@mituskillologies

contact@mitu.co.in

tushar@tusharkute.com