

DaVinci Resolve Custom Template Script

This Python script automates the process of setting up a new project in DaVinci Resolve. It allows users to create a new project based on a selected template, import media files and organise them into specific folders. Below you will find a detailed summary of the functions and use of the script.

Prerequisites

- DaVinci Resolve must be open before you run this script.
- Make sure that the folder structures for the media files are set up as required.

Features

- 1.Template selection: The script allows the user to select a project template from predefined options or specify a custom template path.
- 2.Project creation: The user can name the new project and the script creates a copy of the selected template with the new project name.
- 3.Import project: The new project file is moved to a specific location and imported into DaVinci Resolve.
- 4.Import media: The script helps to import media files from user-defined locations into the project's media pool.
- 5.Folder management: Media files can be moved to specific folders within the media pool to ensure a clear project structure.

Script workflow

1. DaVinci Resolve initialisation:
 - The script checks whether DaVinci Resolve is open and initialises the API connection.
 - Calls up the DaVinci Resolve project manager.
- 2.Template selection:
 - Prompts the user to select a template from the predefined options or enter a custom path.
3. Create project:
 - Prompts for the new project name.
 - Copies the selected template to create a new project file with the specified name.
 - Moves the new project file to a specific directory and imports it into DaVinci Resolve.
4. Load project:
 - Loads the newly created project.
 - Retrieves the Media Pool and Media Storage objects for further operations.
5. Media import:
 - Recursively finds the "Source Media" folder in the master bin.
 - Prompts the user to specify the location of the media clips and imports them into the Media Pool.
 - Moves the imported clips to the "Source Media" folder.
6. Additional folder imports:
 - Provides options to import files into additional folders such as SFX, graphics, logo, sound, refs, subtitles, stills, VFX, proxy and timelines.
 - Users can either use the default paths or specify custom paths for each folder.

Instructions for use

1. Make sure that DaVinci Resolve is open:
 - Start DaVinci Resolve before executing the script.
2. Execute the script:
 - Run the script in a Python environment.
3. Follow the prompts:
 - Select a project template.
 - Enter a project name.
 - Confirm or enter paths for importing media files and organising folders.
4. Complete the setup:
 - Import media into the media pool and organise them in the designated folders.
5. Finish:
 - Follow the instructions to import files into additional folders as needed.
 - Finish the setup by pressing 'F' when you are done.

Example folder paths

The script uses the following default paths for additional folders (they can be customised during execution):

- SFX: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/SFX`
- Graphics: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Graphics`
- Logo: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Logo`
- Sound: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Sound`
- Refs: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Refs`
- Subtitles: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Subtitles`
- Stills: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Stills`
- VFX: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/VFX`
- Proxy: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Source Media/Proxy`
- Timelines: `/Users/sasmi18/Dropbox/Projects/IKEA IMC/2024/Projects/Campaign 0001/Timelines`

Conclusion

This script provides an efficient way to set up and manage DaVinci Resolve projects and ensures that media files are properly organised and easily accessible. By automating repetitive tasks, it saves time and reduces the risk of errors when setting up projects.