



# DaVinci Resolve Scripting API - Documentation

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**Important:** Without any mention in the v19.1 changelog, **Blackmagic just removed UIManager for the free version of Resolve**, breaking all scripts using UI for free users, including the well-known [Reactor](#). [Please join the discussion about this](#) on [BM Forum](#) to help bring it back!

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In this package, you will find a brief introduction to the Scripting API for DaVinci Resolve Studio. Apart from this README.txt file, this package contains folders containing the basic import modules for scripting access (DaVinciResolve.py) and some representative examples.

From v16.2.0 onwards, the nodeIndex parameters accepted by `SetLUT()` and `SetCDL()` are 1-based instead of 0-based, i.e.  $1 \leq \text{nodeIndex} \leq \text{total number of nodes}$ .

## Overview

As with Blackmagic Fusion scripts, user scripts written in Lua and Python programming languages are supported. By default, scripts can be invoked from the Console window in the Fusion page, or via command line. This permission can be changed in Resolve Preferences, to be only from Console, or to be invoked from the local network. Please be aware of the security implications when allowing scripting access from outside of the Resolve application.

## Prerequisites

DaVinci Resolve scripting requires one of the following to be installed (for all users):

Lua 5.1  
Python >= 3.6 64-bit  
Python 2.7 64-bit

## Using a script

DaVinci Resolve needs to be running for a script to be invoked.

For a Resolve script to be executed from an external folder, the script needs to know of the API location. You may need to set the these environment variables to allow for your Python installation to pick up the appropriate dependencies as shown below:

**Mac OS X:**

```
RESOLVE_SCRIPT_API="/Library/Application Support/Blackmagic Design/DaVinci
RESOLVE_SCRIPT_LIB="/Applications/DaVinci Resolve/DaVinci Resolve.app/Cont
PYTHONPATH="$PYTHONPATH:$RESOLVE_SCRIPT_API/Modules/"
```

**Windows:**

```
RESOLVE_SCRIPT_API="%PROGRAMDATA%\Blackmagic Design\DaVinci Resolve\Suppor
RESOLVE_SCRIPT_LIB="C:\Program Files\Blackmagic Design\DaVinci Resolve\fus
PYTHONPATH="%PYTHONPATH%;%RESOLVE_SCRIPT_API%\Modules\"
```

**Linux:**

```
RESOLVE_SCRIPT_API="/opt/resolve/Developer/Scripting"
RESOLVE_SCRIPT_LIB="/opt/resolve/libs/Fusion/fusionscript.so"
PYTHONPATH="$PYTHONPATH:$RESOLVE_SCRIPT_API/Modules/"
(Note: For standard ISO Linux installations, the path above may need to be
```

As with Fusion scripts, Resolve scripts can also be invoked via the menu and the Console.

On startup, DaVinci Resolve scans the subfolders in the directories shown below and enumerates the scripts found in the Workspace application menu under Scripts. Place your script under Utility to be listed in all pages, under Comp or Tool to be available in the Fusion page or under folders for individual pages (Edit, Color or Deliver). Scripts under Deliver are additionally listed under render jobs. Placing your script here and invoking it from the menu is the easiest way to use scripts.

**Mac OS X:**

## ■ All users:

```
/Library/Application Support/Blackmagic Design/DaVinci
Resolve/Fusion/Scripts
```

## ■ Specific user:

```
/Users/<UserName>/Library/Application Support/Blackmagic
Design/DaVinci Resolve/Fusion/Scripts
```

**Windows:**

## ■ All users:

```
%PROGRAMDATA%\Blackmagic Design\DaVinci Resolve\Fusion\Scripts
```

## ■ Specific user:

```
%APPDATA%\Roaming\Blackmagic Design\DaVinci
Resolve\Support\Fusion\Scripts
```

**Linux:**

## ■ All users:

```
/opt/resolve/Fusion/Scripts (or /home/resolve/Fusion/Scripts/
depending on installation)
```

## ■ Specific user: \$HOME/.local/share/DaVinciResolve/Fusion/Scripts

The interactive Console window allows for an easy way to execute simple scripting commands, to query or modify properties, and to test scripts. The console accepts commands in Python 2.7, Python 3.6 and Lua and evaluates and executes them immediately. For more information on how to use the Console, please refer to the DaVinci Resolve User Manual.

This example Python script creates a simple project:

```
#!/usr/bin/env python
import DaVinciResolveScript as dvr_script
resolve = dvr_script.scriptapp("Resolve")
fusion = resolve.Fusion()
```

```
projectManager = resolve.GetProjectManager()
projectManager.CreateProject("Hello World")
```

The `resolve` object is the fundamental starting point for scripting via Resolve. As a native object, it can be inspected for further scriptable properties - using table iteration and `getmetatable` in Lua and `dir`, `help` etc in Python (among other methods). A notable scriptable object above is `fusion` - it allows access to all existing Fusion scripting functionality.

## Running DaVinci Resolve in headless mode

DaVinci Resolve can be launched in a headless mode without the user interface using the `-nogui` command line option. When DaVinci Resolve is launched using this option, the user interface is disabled. However, the various scripting APIs will continue to work as expected.

## DaVinci Resolve API

Some commonly used API functions are described below (\*). As with the `resolve` object, each object is inspectable for properties and functions.

### Resolve

Name	Return	Definition
<code>Fusion()</code>	<code>Fusion</code>	Returns the Fusion object. Starting point for Fusion scripting.
<code>GetMediaStorage()</code>	<code>MediaStorage</code>	Returns the media storage object to query and act on media locations.
<code>GetProjectManager()</code>	<code>ProjectManager</code>	Returns the project manager object for currently open database.
<code>OpenPage(pageName)</code>	<code>Bool</code>	Switches to indicated page in DaVinci Resolve. Input one of ( <code>media</code> , <code>cut</code> , <code>fusion</code> , <code>color</code> , <code>fairlight</code> , <code>deliver</code> ).
<code>GetCurrentPage()</code>	<code>String</code>	Returns the page currently displayed in the main view. Returned value can be <code>media</code> , <code>cut</code> , <code>edit</code> , <code>color</code> , <code>fairlight</code> , <code>deliver</code> . None.
<code>GetProductName()</code>	<code>string</code>	Returns product name.
<code>GetVersion()</code>	[version fields]	Returns list of product fields in [major, minor, build, suffix] format.
<code>GetVersionString()</code>	<code>string</code>	Returns product version in "major.minor.patch[suffix]" format.
<code>LoadLayoutPreset(presetName)</code>	<code>Bool</code>	Loads UI layout from saved preset named <code>presetName</code> .

Name	Return	Definition
<code>UpdateLayoutPreset(presetName)</code>	Bool	Overwrites preset named <code>presetName</code> with current layout.
<code>ExportLayoutPreset(presetName, presetFilePath)</code>	Bool	Exports preset named <code>presetName</code> to path <code>presetFilePath</code> .
<code>DeleteLayoutPreset(presetName)</code>	Bool	Deletes preset named <code>presetName</code> .
<code>SaveLayoutPreset(presetName)</code>	Bool	Saves current UI layout preset named <code>presetName</code> .
<code>ImportLayoutPreset(presetFilePath, presetName)</code>	Bool	Imports preset from path <code>presetFilePath</code> . The argument <code>presetName</code> specifies how the preset shall be named. If not specified, the preset will be named based on the file name.
<code>Quit()</code>	None	Quits the Resolve App.
<code>ImportRenderPreset(presetPath)</code>	Bool	Import a preset from path (string) and set it as current preset for rendering.
<code>ExportRenderPreset(presetName, exportPath)</code>	Bool	Export a preset to a given path (string) if <code>presetName</code> exists.
<code>ImportBurnInPreset(presetPath)</code>	Bool	Import a data burn in preset from a given presetPath.
<code>ExportBurnInPreset(presetName, exportPath)</code>	Bool	Export a data burn in preset to a given path (string) if <code>presetName</code> exists.
<code>GetKeyframeMode()</code>	keyframeMode	Returns the currently selected keyframe mode (int). Refer to the section 'Keyframe Mode' information' below for details.
<code>SetKeyframeMode(keyframeMode)</code>	Bool	Returns True when <code>keyframeMode</code> (enum) is successfully set. Refer to the 'Keyframe Mode' information' below for details.
<code>GetFairlightPresets()</code>	[presetNames...].	Returns a list of Fairlight Presets by name.

## ProjectManager

Name	Return	Definition
<code>ArchiveProject(projectName, filePath, isArchiveSrcMedia=True, isArchiveRenderCache=True, isArchiveProxyMedia=False)</code>	Bool	Archives project to provided file path with the configuration as provided by the optional arguments
<code>CreateProject(projectName, mediaLocationPath)</code>	Project	Creates and returns a project if projectName (string) is unique, and None if it is not. Accepts an optional argument to set the media location path.
<code>DeleteProject(projectName)</code>	Bool	Delete project in the current folder if not currently loaded
<code>LoadProject(projectName)</code>	Project	Loads and returns the project with name = projectName (string) if there is a match found, and None if there is no matching Project.
<code>GetCurrentProject()</code>	Project	Returns the currently loaded Resolve project.
<code>SaveProject()</code>	Bool	Saves the currently loaded project with its own name. Returns True if successful.
<code>CloseProject(project)</code>	Bool	Closes the specified project without saving.
<code>CreateFolder(folderName)</code>	Bool	Creates a folder if folderName (string) is unique.
<code>DeleteFolder(folderName)</code>	Bool	Deletes the specified folder if it exists. Returns True in case of success.
<code>GetProjectListInCurrentFolder()</code>	[project names...]	Returns a list of project names in current folder.
<code>GetFolderListInCurrentFolder()</code>	[folder names...]	Returns a list of folder names in current folder.

Name	Return	Definition
GotoRootFolder()	Bool	Opens root folder in database.
GotoParentFolder()	Bool	Opens parent folder of current folder in database if current folder has parent.
GetCurrentFolder()	string	Returns the current folder name.
OpenFolder(folderName)	Bool	Opens folder under given name.
ImportProject(filePath, projectName=None)	Bool	Imports a project from the file path provided with given project name, if any. Returns True if successful.
ExportProject(projectName, filePath, withStillsAndLUTs=True)	Bool	Exports project to provided file path, including stills and LUTs if withStillsAndLUTs is True (enabled by default). Returns True in case of success.
RestoreProject(filePath, projectName=None)	Bool	Restores a project from the file path provided with given project name, if any. Returns True if successful.
GetCurrentDatabase()	{dbInfo}	Returns a dictionary (with keys DbType, DbName and optional IpAddress) corresponding to the current database connection
GetDatabaseList()	[{dbInfo}]	Returns a list of dictionary items (with keys DbType, DbName and optional IpAddress) corresponding to all the databases added to Resolve

Name	Return	Definition
<code>SetCurrentDatabase({dbInfo})</code>	Bool	<p>Switches current database connection to the database specified by the keys below, and closes any open project.</p> <p><code>DbType : Disk or PostgreSQL (string)</code>  <code>DbName : database name (string)</code>  <code>IpAddress : IP address of the PostgreSQL server (string, optional key - defaults to 127.0.0.1 )</code></p>
<code>CreateCloudProject({cloudSettings})</code>	Project	<p>Creates and returns a cloud project.</p> <p>'{cloudSettings}': Check 'Cloud Projects Settings' subsection below for more information.</p>
<code>LoadCloudProject({cloudSettings})</code>	Project	<p>Loads and returns a cloud project with the following cloud settings if there is a match found, and None if there is no matching cloud project.</p> <p>'{cloudSettings}': Check 'Cloud Projects Settings' subsection below for more information.</p>
<code>ImportCloudProject(filePath, {cloudSettings})</code>	Bool	<p>Returns True if import cloud project is successful; False otherwise</p> <p><code>filePath : String;</code>  <code>filePath of file to import</code>  <code>'{cloudSettings}': Check 'Cloud Projects Settings' subsection below for more information.</code></p>

Name	Return	Definition
<code>RestoreCloudProject(folderPath, {cloudSettings})</code>	Bool	Returns True if restore cloud project is successful; False otherwise <code>folderPath</code> : String; path of folder to restore <code>{cloudSettings}</code> : Check 'Cloud Projects Settings' subsection below for more information.

## Project

Name	Return	Definition
<code>GetMediaPool()</code>	MediaPool	Returns the object.
<code>GetTimelineCount()</code>	int	Returns the timelines count in the project
<code>GetTimelineByIndex(idx)</code>	Timeline	Returns timeline at index, $1 \leq idx \leq \text{project.GetTimelineCount()}$
<code>GetCurrentTimeline()</code>	Timeline	Returns the current timeline.
<code>SetCurrentTimeline(timeline)</code>	Bool	Sets given timeline as current. Returns True.
<code>GetGallery()</code>	Gallery	Returns the gallery.
<code>GetName()</code>	string	Returns project name.
<code>SetName(projectName)</code>	Bool	Sets project name unique.
<code>GetPresetList()</code>	[presets...]	Returns a list of all their info.
<code>SetPreset(presetName)</code>	Bool	Sets preset unique.
<code>AddRenderJob()</code>	string	Adds a render job to current render queue. unique job id for new render.
<code>DeleteRenderJob(jobId)</code>	Bool	Deletes render job by job id (string).
<code>DeleteAllRenderJobs()</code>	Bool	Deletes all render jobs in queue.

Name	Return	Definition
GetRenderJobList()	[render jobs...]	Returns a list of render jobs and their information.
GetRenderPresetList()	[presets...]	Returns a list of render presets and their information.
StartRendering(jobId1, jobId2, ...)	Bool	Starts rendering the specified jobs. Returns true if indicated by the UI.
StartRendering([jobIds...], isInteractiveMode=False)	Bool	Starts rendering the specified jobs. The option <code>isInteractiveMode=False</code> is set, enabling the UI during rendering.
StartRendering(isInteractiveMode=False)	Bool	Starts rendering the current job. The option <code>isInteractiveMode=False</code> is set, enabling the UI during rendering.
StopRendering()	None	Stops any currently running processes.
IsRenderingInProgress()	Bool	Returns True if rendering is in progress.
LoadRenderPreset(presetName)	Bool	Sets a preset for rendering. The preset name is provided.
SaveAsNewRenderPreset(presetName)	Bool	Creates a new render preset with the given name. The preset name is provided.
DeleteRenderPreset(presetName)	Bool	Deletes a render preset provided by name.
SetRenderSettings({settings})	Bool	Sets given settings for rendering. with support. Refer to "List of render settings" section for information about supported settings.
GetRenderJobStatus(jobId)	{status info}	Returns a complete status object for the job ID provided as a string.
GetQuickExportRenderPresets()	[preset_name..]	Returns a list of render presets for quick export.
RenderWithQuickExport(preset_name, {param_dict})	{status info}	Starts a quick export for the current timeline. The function <code>GetQuickExportPresets()</code> is used to get the list of param_dicts. The render settings are provided by TargetDir and VideoQuality.

Name	Return	Definition
<code>EnableUp1</code>		
<code>EnableUp1</code>		
direct uplo web preset		
Returns a c and time to		
an error str		
failed or no		
Refer to "L		
Settings" si		
nformatio		
supported		
<code>GetSetting(settingName)</code>	string	Returns val setting (inc settingNaN the section information)
<code>SetSetting(settingName, settingValue)</code>	Bool	Sets the pr (indicated string) to tl (settingVal the section information)
<code>GetRenderFormats()</code>	{render formats...}	Returns a c extension) formats.
<code>GetRenderCodecs(renderFormat)</code>	{render codecs...}	Returns a c descriptior of available render for
<code>GetCurrentRenderFormatAndCodec()</code>	{format, codec}	Returns a c selected fo render cod
<code>SetCurrentRenderFormatAndCodec(format, codec)</code>	Bool	Sets given (string) and (string) as rendering.
<code>GetCurrentRenderMode()</code>	int	Returns the Individual c clip.
<code>SetCurrentRenderMode(renderMode)</code>	Bool	Sets the re Specify ren Individual c clip.
<code>GetRenderResolutions(format, codec)</code>	[{Resolution}]	Returns list applicable render for render cod full list of r argument i element in dictionary and Height

Name	Return	Definition
RefreshLUTList()	Bool	Refreshes LUT list.
GetUniqueId()	string	Returns a unique identifier for the current project iteration.
InsertAudioToCurrentTrackAtPlayhead(mediaPath, startOffsetInSamples, durationInSamples)	Bool	Inserts the audio file at the specified media path and offset, with a given duration. Returns True if successful, False otherwise.
LoadBurnInPreset(presetName)	Bool	Loads user preset from the specified preset name. Returns true if successful.
ExportCurrentFrameAsStill(filePath)	Bool	Exports current frame as a still image to the specified file path. Returns true if successful.
GetColorGroupsList()	[ColorGroups...]	Returns a list of color groups objects in the timeline.
AddColorGroup(groupName)	ColorGroup	Creates a new color group with the given name.
DeleteColorGroup(colorGroup)	Bool	Deletes the color group and sets the current color group to the previous one.
ApplyFairlightPresetToCurrentTimeline(name)	Bool	Applies the Fairlight preset with the given name to the current timeline, returning True if successful.

## MediaStorage

Name	Return	Definition
GetMountedVolumeList()	[paths...]	Returns list of folder paths corresponding to mounted volumes displayed in Resolve's Media Storage.
GetSubFolderList(folderPath)	[paths...]	Returns list of folder paths in the given absolute folder path.
GetFileList(folderPath)	[paths...]	Returns list of media and file listings in the given absolute folder path.

Name	Return	Definition
<code>RevealInStorage(path)</code>	Bool	folder path. Note that media listings may be logically consolidated entries.
<code>AddItemListToMediaPool(item1, item2, ...)</code>	[clips...]	Expands and displays given file/folder path in Resolve's Media Storage.
<code>AddItemListToMediaPool([items...])</code>	[clips...]	Adds specified file/folder paths from Media Storage into current Media Pool folder. Input is one or more file/folder paths. Returns a list of the MediaPoolItems created.
<code>AddItemListToMediaPool([{itemInfo}, ...])</code>	[clips...]	Adds specified file/folder paths from Media Storage into current Media Pool folder. Input is an array of file/folder paths. Returns a list of the MediaPoolItems created.
<code>AddClipMatteToMediaPool(MediaPoolItem, [paths], stereoEye)</code>	Bool	Adds list of itemInfos specified as dict of <code>media</code> , <code>startFrame</code> (int), <code>endFrame</code> (int) from Media Storage into current Media Pool folder. Returns a list of the MediaPoolItems created.
		Adds specified media files as mattes for the specified MediaPoolItem. StereoEye is an optional argument for specifying which

Name	Return	Definition
AddTimelineMattesToMediaPool([paths])	[MediaPoolItems]	eye to add the matte to for stereo clips (left or right). Returns True if successful.
		Adds specified media files as timeline mattes in current media pool folder. Returns a list of created MediaPoolItems.

## MediaPool

Name	Return	Definition
GetRootFolder()	Folder	Returns root Folder object
AddSubFolder(folder, name)	Folder	Adds new subfolder Folder object with the
RefreshFolders()	Bool	Updates the folders in mode
CreateEmptyTimeline(name)	Timeline	Adds new timeline w
AppendToTimeline(clip1, clip2, ...)	[TimelineItem]	Appends specified M objects in the current the list of appended
AppendToTimeline([clips])	[TimelineItem]	Appends specified M objects in the current the list of appended
AppendToTimeline([{clipInfo}, ...])	[TimelineItem]	Appends list of clipInfo dict of mediaPoolItem (float/int), endFrame (optional) mediaType only, 2 - Audio only), and recordFrame (float/int) the list of appended
CreateTimelineFromClips(name, clip1, clip2,...)	Timeline	Creates new timeline name, and appends t MediaPoolItem objec
CreateTimelineFromClips(name, [clips])	Timeline	Creates new timeline name, and appends t MediaPoolItem objec
CreateTimelineFromClips(name, [{clipInfo}])	Timeline	Creates new timeline name, appending the specified as a dict of startFrame (float/int), endFrame (float/int), recordFrame (float/int), and mediaType
ImportTimelineFromFile(filePath, {importOptions})	Timeline	Creates timeline base within given file

Name	Return	Definition
<code>DeleteTimelines([timeline])</code>	Bool	(AAF/EDL/XML/FCPX and optional import) support for the keys: <code>timelineName : string</code> name of the timeline valid for DRT import <code>importSourceClips : bool</code> whether source clips imported, True by default for DRT import <code>sourceClipsPath : string</code> filesystem path to search for clips if the media is in its original path and if <code>isTrue</code> is True <code>sourceClipsFolders : string</code> folder objects to search if the media is not present in the folder and if <code>imports</code> is False. Not valid for DRT import <code>interlaceProcessing : bool</code> whether to enable interlace processing on the imported timeline valid only for AAF imports
<code>GetCurrentFolder()</code>	Folder	Returns currently selected folder.
<code>SetCurrentFolder(Folder)</code>	Bool	Sets current folder by name.
<code>DeleteClips([clips])</code>	Bool	Deletes specified clip mattes in the media pool.
<code>ImportFolderFromFile(filePath, sourceClipsPath=``)</code>	Bool	Returns true if import is successful, filePath is successful, sourceClipsPath is a filesystem path to search for clips if the media is in its original path, empty string otherwise.
<code>DeleteFolders([subfolders])</code>	Bool	Deletes specified subfolders from the media pool.
<code>MoveClips([clips], targetFolder)</code>	Bool	Moves specified clips to targetFolder.
<code>MoveFolders([folders], targetFolder)</code>	Bool	Moves specified folders to targetFolder.
<code>GetClipMatteList(MediaPoolItem)</code>	[paths]	Get mattes for specific MediaPoolItem as a list of paths to the mattes.
<code>GetTimelineMatteList(Folder)</code>	[MediaPoolItems]	Get mattes in specific folder as a list of MediaPoolItems.
<code>DeleteClipMattes(MediaPoolItem, [paths])</code>	Bool	Delete mattes based on MediaPoolItem and paths. Returns True on success.
<code>RelinkClips([MediaPoolItem], folderPath)</code>	Bool	Update the folder location for media pool clips with folder path.

Name	Return	Definition
<code>UnlinkClips([MediaPoolItem])</code>	Bool	Unlink specified media pool item.
<code>ImportMedia([items...])</code>	[MediaPoolItems]	Imports specified file or folder into current Media Pool for array of file/folder paths. Returns a list of MediaPoolItems created.
<code>ImportMedia([{clipInfo}])</code>	[MediaPoolItems]	Imports file path(s) into Media Pool folder as specified. Returns a list of MediaPoolItems created. Each clipInfo gets imported as a MediaPoolItem unless 'Frames' is turned on. Example: ImportMedia("file_%03d.dpx", {StartIndex :1, EndIndex :100}) would return "file_[001-100].dpx".
<code>ExportMetadata(fileName, [clips])</code>	Bool	Exports metadata of clips in CSV format. If no clips are specified, media pool will be used.
<code>GetUniqueId()</code>	string	Returns a unique ID for the media pool entry.
<code>CreateStereoClip(LeftMediaPoolItem, RightMediaPoolItem)</code>	MediaPoolItem	Takes in two existing media pool entries and creates a new 3D media pool entry representing media in the media pool.
<code>AutoSyncAudio([MediaPoolItems], {audioSyncSettings})</code>	Bool	Syncs audio for specified MediaPoolItems (list must contain a minimum of one item). Returns True if successful. 'Audio Sync Settings' is optional.
<code>GetSelectedClips()</code>	[MediaPoolItems]	Returns the current selected MediaPoolItems.
<code>SetSelectedClip(MediaPoolItem)</code>	Bool	Sets the selected MediaPoolItem.

## Folder

Name	Return	Definition
<code>GetClipList()</code>	[clips...]	Returns a list of clips (items) within the folder.
<code>GetName()</code>	string	Returns the media folder name.
<code>GetSubFolderList()</code>	[folders...]	Returns a list of subfolders in the folder.
<code>GetIsFolderStale()</code>	bool	Returns true if folder is stale in collaboration mode, false otherwise.
<code>GetUniqueId()</code>	string	Returns a unique ID for the media pool folder.

Name	Return	Definition
Export(filePath)	bool	Returns true if export of DRB folder to filePath is successful, false otherwise
TranscribeAudio()	Bool	Transcribes audio of the MediaPoolItems within the folder and nested folders. Returns True if successful; False otherwise
ClearTranscription()	Bool	Clears audio transcription of the MediaPoolItems within the folder and nested folders. Returns True if successful; False otherwise.

## MediaPoolItem

Name	Return	Definition
GetName()	string	Returns the clip name.
SetName(name)	bool	Sets the clip's name to name(string). Returns True if successful
GetMetadata(metadataType=None)	string dict	Returns the metadata value for the key metadataType . If no argument is specified, a dict of all set metadata properties is returned.
SetMetadata(metadataType, metadataValue)	Bool	Sets the given metadata to metadataValue (string). Returns True if successful.
SetMetadata({metadata})	Bool	Sets the item metadata with specified metadata dict. Returns True if successful.
GetThirdPartyMetadata(metadataType=None)	string dict	Returns the third party metadata value for the key metadataType . If no argument is specified, a dict of all set third party metadata properties is returned.

Name	Return	Definition
<code>SetThirdPartyMetadata(metadataType, metadataValue)</code>	Bool	Sets/Add the given third party metadata to <code>metadataValue</code> (string). Returns True if successful.
<code>SetThirdPartyMetadata({metadata})</code>	Bool	Sets/Add the item third party metadata with specified <code>metadata</code> dict. Returns True if successful.
<code>GetMediaId()</code>	string	Returns the unique ID for the <code>MediaPoolItem</code> .
<code>AddMarker(frameId, color, name, note, duration, customData)</code>	Bool	Creates a new marker at given frameId position and with given marker information. <code>customData</code> is optional and helps to attach user specific data to the marker.
<code>GetMarkers()</code>	{markers...}	Returns a dict (frameId -> {information}) of all markers and dicts with their information. Example of output format: <pre>{96.0: {     color : Green ,     duration : 1.0,     note :     , `name` : 'Marker     1', `customData`: }, ...}</pre> <p>In the above example - there is one <code>Green</code> marker at offset 96 (position of the marker)</p>
<code>GetMarkerByCustomData(customData)</code>	{markers...}	Returns marker {information} for the first matching marker with specific customData.
<code>UpdateMarkerCustomData(frameId, customData)</code>	Bool	Updates <code>customData</code> (string) for the marker at given frameId position. <code>CustomData</code> is not exposed via UI and is useful for scripting developer to attach

Name	Return	Definition
<code>GetMarkerCustomData(frameId)</code>	string	any user specific data to markers.
<code>DeleteMarkersByColor(color)</code>	Bool	Returns customData string for the marker at given frameld position.
<code>DeleteMarkerAtFrame(frameNum)</code>	Bool	Delete all markers of the specified color from the media pool item. All as argument deletes all color markers.
<code>DeleteMarkerByCustomData(customData)</code>	Bool	Delete marker at frame number from the media pool item.
<code>AddFlag(color)</code>	Bool	Delete first matching marker with specific customData.
<code>GetFlagList()</code>	[colors...]	Adds a flag with given color (string).
<code>ClearFlags(color)</code>	Bool	Returns a list of flag colors assigned to the item.
<code>GetClipColor()</code>	string	Clears the flag of the given color if one exists. An All argument is supported and clears all flags.
<code>SetClipColor(colorName)</code>	Bool	Returns the item color as a string.
<code>ClearClipColor()</code>	Bool	Sets the item color based on the colorName (string).
<code>GetClipProperty(propertyName=None)</code>	string dict	Clears the item color.
<code>SetClipProperty(propertyName, propertyValue)</code>	Bool	Returns the property value for the key propertyName . If no argument is specified, a dict of all clip properties is returned. Check the section below for more information.
<code>LinkProxyMedia(proxyMediaFilePath)</code>	Bool	Sets the given property to propertyValue (string). Check the section below for more information.

Name	Return	Definition
<code>proxyMediaFilePath</code>		specified by arg proxyMediaFilePath with the current clip. proxyMediaFilePath should be absolute clip path.
<code>LinkFullResolutionMedia(fullResMediaPath)</code>	Bool	Links proxy media to full resolution media files specified via its path.
<code>UnlinkProxyMedia()</code>	Bool	Unlinks any proxy media associated with clip.
<code>ReplaceClip(filePath)</code>	Bool	Replaces the underlying asset and metadata of MediaPoolItem with the specified absolute clip path.
<code>ReplaceClipPreserveSubClip(filePath)</code>	Bool	Replaces the underlying asset and metadata of a video or audio clip with the specified absolute clip path, preserving original sub clip extents.
<code>GetUniqueId()</code>	string	Returns a unique ID for the media pool item
<code>TranscribeAudio()</code>	Bool	Transcribes audio of the MediaPoolItem. Returns True if successful; False otherwise
<code>ClearTranscription()</code>	Bool	Clears audio transcription of the MediaPoolItem. Returns True if successful; False otherwise.
<code>GetAudioMapping()</code>	json formatted string	Returns a string with MediaPoolItem's audio mapping information. Check 'Audio Mapping' section below for more information.

Name	Return	Definition
<code>GetMarkInOut()</code>	{mark}	Returns dict of in/out marks set (keys omitted if not set), example: <code>{ video : { in : 0, out : 134}, audio : { in : 0, out : 134}}</code>
<code>SetMarkInOut(in, out, type= all )</code>	Bool	Sets mark in/out of type <code>video</code> , <code>audio</code> or <code>all</code> (default).
<code>ClearMarkInOut(type= all )</code>	Bool	Clears mark in/out of type <code>video</code> , <code>audio</code> or <code>all</code> (default).
<code>MonitorGrowingFile()</code>	Bool	Monitor a file as long as it keeps growing (stops if the file does not grow for some time).

## Timeline

Name	Return	Def
<code>GetName()</code>	string	Retu
<code>SetName(timelineName)</code>	Bool	Sets is ui
<code>GetStartFrame()</code>	int	Retu time
<code>GetEndFrame()</code>	int	Retu time
<code>SetStartTimecode(timecode)</code>	Bool	Set strin is su
<code>GetStartTimecode()</code>	string	Retu
<code>GetTrackCount(trackType)</code>	int	Retu type
<code>AddTrack(trackType, subTrackType)</code>	Bool	Add auc use sub lcr, l 5.1 ada sub trac
<code>AddTrack(trackType, newTrackOptions)</code>	Bool	Add auc auc inc

Name	Return	Def
<code>DeleteTrack(trackType, trackIndex)</code>	Bool	Getauc <tracincapp< td=""></tracincapp<>
<code>GetTrackSubType(trackType, trackIndex)</code>	string	Retu the lcr, l 5.1 ada and auc retu
<code>SetTrackEnable(trackType, trackIndex, Bool)</code>	Bool	Ena trac trac 1 <:
<code>GetIsTrackEnabled(trackType, trackIndex)</code>	Bool	Retu trac trac 1 <:
<code>SetTrackLock(trackType, trackIndex, Bool)</code>	Bool	Loc trac trac 1 <:
<code>GetIsTrackLocked(trackType, trackIndex)</code>	Bool	Retu trac trac 1 <:
<code>DeleteClips([timelineItems], Bool)</code>	Bool	Deletetime argu(The
<code>SetClipsLinked([timelineItems], Bool)</code>	Bool	Link dep
<code>GetItemListInTrack(trackType, index)</code>	[items...]	Retu (bas Get
<code>AddMarker(frameId, color, name, note, duration, customData)</code>	Bool	Create and is oj to tl
<code>GetMarkers()</code>	{markers...}	Retu mar Exar dur ,

Name	Return	Def
GetMarkerByCustomData(customData)	{markers...}	Retu mat
UpdateMarkerCustomData(frameId, customData)	Bool	Upc give exp dev mar
GetMarkerCustomData(frameId)	string	Retu give
DeleteMarkersByColor(color)	Bool	Del colc dele
DeleteMarkerAtFrame(frameNum)	Bool	Del num
DeleteMarkerByCustomData(customData)	Bool	Del cust
GetCurrentTimecode()	string	Retu curr Colc
SetCurrentTimecode(timecode)	Bool	Sets time Deli
GetCurrentVideoItem()	item	Retu
GetCurrentClipThumbnailImage()	{thumbnailData}	Retu and ima base Pag An thui 6_g Exai
GetTrackName(trackType, trackIndex)	string	Retu trac inde Get
SetTrackName(trackType, trackIndex, name)	Bool	Sets by t inde Get
DuplicateTimeline(timelineName)	timeline	Dup time succ
CreateCompoundClip([timelineItems], {clipInfo})	timelinItem	Cre with 00: retu

Name	Return	Def
CreateFusionClip([timelineItems])	TimelineItem	Create retu
ImportIntoTimeline(filePath, {importOptions})	Bool	Imp opti with aut spe mec igr spe wh lir to s by c use info imp
Export(fileName, exportType, exportSubtype)	Bool	: Bo sho def ins add def ins offs "00: ins sou patl inac igr sou fold mec
GetSetting(settingName)	string	Exp exp Ref proj
SetSetting(settingName, settingValue)	Bool	Ret sett for i
InsertGeneratorIntoTimeline(generatorName)	TimelineItem	Inse gen
InsertFusionGeneratorIntoTimeline(generatorName)	TimelineItem	Inse gen
InsertFusionCompositionIntoTimeline()	TimelineItem	Inse
InsertOFXGeneratorIntoTimeline(generatorName)	TimelineItem	Inse gen
InsertTitleIntoTimeline(titleName)	TimelineItem	Inse into

Name	Return	Def
<code>InsertFusionTitleIntoTimeline(titleName)</code>	TimelineItem	Inse strin
<code>GrabStill()</code>	galleryStill	Gral Gall
<code>GrabAllStills(stillFrameSource)</code>	[galleryStill]	Gral sti fran
<code>GetUniqueId()</code>	string	Retu
		Create
		Take
<code>CreateSubtitlesFromAudio({autoCaptionSettings})</code>	Bool	{aut Sett info Retu
		Detec
<code>DetectSceneCuts()</code>	Bool	time other
		Con
<code>ConvertTimelineToStereo()</code>	Bool	succ
		Retu
		Ana
		time
		succ
<code>AnalyzeDolbyVision([timelineItems]=[ ], analysisType=NONE)</code>	Bool	if [ti on a [tim set , for l
		Retu
<code>GetMediaPoolItem()</code>	MediaPoolItem	the
		Retu
<code>GetMarkInOut()</code>	{mark}	not { vi out
		Sets
<code>SetMarkInOut(in, out, type= all )</code>	Bool	(def
		Clea
<code>ClearMarkInOut(type= all )</code>	Bool	all
		Retu
<code>GetVoiceIsolationState(trackIndex)</code>	{VoiceIsolationState}	{isE
		Sets
		give
<code>SetVoiceIsolationState(trackIndex, {VoiceIsolationState})</code>	Bool	Voice (int) trac True

## TimelineItem

Name	Return	Definition
<code>GetName()</code>	string	Returns the name of the clip.
<code>SetName(name)</code>	bool	Sets the name of the clip.
<code>GetDuration(subframe_precision)</code>	int/float	Returns the duration of the clip in frames.
<code>GetEnd(subframe_precision)</code>	int/float	Returns the end time of the clip in frames.
<code>GetSourceEndFrame()</code>	int	Returns the end frame of the media item.
<code>GetSourceEndTime()</code>	float	Returns the end time of the media item.
<code>GetFusionCompCount()</code>	int	Returns the number of compositions in the timeline.
<code>GetFusionCompByIndex(compIndex)</code>	fusionComp	Returns the composition object at the specified index in the timeline.
<code>GetFusionCompNameList()</code>	[names...]	Returns a list of names for the items in the timeline.
<code>GetFusionCompByName(compName)</code>	fusionComp	Returns the composition object by name.
<code>GetLeftOffset(subframe_precision)</code>	int/float	Returns the left offset of the frame in subframes.
<code>GetRightOffset(subframe_precision)</code>	int/float	Returns the right offset of the frame in subframes.
<code>GetStart(subframe_precision)</code>	int/float	Returns the start time of the clip in frames.
<code>GetSourceStartFrame()</code>	int	Returns the start frame of the media item.
<code>GetSourceStartTime()</code>	float	Returns the start time of the media item.
<code>SetProperty(propertyKey, propertyName)</code>	Bool	Sets the property value for the specified key.
<code>GetProperty(propertyKey)</code>	int/[key:value]	Returns the property value for the specified key.

Name	Return	Definition
AddMarker(frameId, color, name, note, duration, customData)	Bool	Creates frame-level marker options specific to the current clip.
GetMarkers()	{markers...}	Returns an array of markers from the current clip. Each marker object contains properties: color, name, note, duration, and customData.
GetMarkerByCustomData(customData)	{markers...}	Returns the first marker with matching custom data.
UpdateMarkerCustomData(frameId, customData)	Bool	Updates the custom data for a specific marker.
GetMarkerCustomData(frameId)	string	Returns the custom data for a specific marker.
DeleteMarkersByColor(color)	Bool	Deletes all markers of a specific color from the current clip.
DeleteMarkerAtFrame(frameNum)	Bool	Deletes a specific marker from the current clip.
DeleteMarkerByCustomData(customData)	Bool	Deletes a specific marker by its custom data.
AddFlag(color)	Bool	Adds a flag of a specific color to the current clip.
GetFlagList()	[colors...]	Returns an array of colors available for flags.
ClearFlags(color)	Bool	Clears all flags of a specific color from the current clip.
GetClipColor()	string	Returns the current clip color.
SetClipColor(colorName)	Bool	Sets the current clip color.
ClearClipColor()	Bool	Clears the current clip color.
AddFusionComp()	fusionComp	Adds a Fusion comp to the current clip.
ImportFusionComp(path)	fusionComp	Imports a Fusion comp from a given file path.

Name	Return	Definition
ExportFusionComp(path, compIndex)	Bool	Exports based on provided item.
DeleteFusionCompByName(compName)	Bool	Deletes a composition.
LoadFusionCompByName(compName)	fusionComp	Loads a composition by name.
RenameFusionCompByName(oldName, newName)	Bool	Renames a composition by identifying it.
AddVersion(versionName, versionType)	Bool	Adds a clip base version (1 - remote).
GetCurrentVersion()	{versionName...}	Returns video clips that have the current version.
DeleteVersionByName(versionName, versionType)	Bool	Deletes a version.
LoadVersionByName(versionName, versionType)	Bool	Loads a specific active version (1 - remote).
RenameVersionByName(oldName, newName, versionType)	Bool	Renames a version by old name, local, 1.
GetVersionNameList(versionType)	[names...]	Returns the given remote names.
GetMediaPoolItem()	MediaPoolItem	Returns the corresponding media item.
GetStereoConvergenceValues()	{keyframes...}	Returns keyframe convergence values.
GetStereoLeftFloatingWindowParams()	{keyframes...}	For the left floating window parameters, includes bottom.
GetStereoRightFloatingWindowParams()	{keyframes...}	For the right floating window parameters, includes bottom.
SetCDL([CDL map])	Bool	Keys of Slope Satura

Name	Return	Definition
AddTake(mediaPoolItem, startFrame, endFrame)	Bool	Adds a new take to the timeline at the specified frame range. Returns true if successful.
GetSelectedTakeIndex()	int	Returns the index of the currently selected take in the timeline.
GetTakesCount()	int	Returns the total number of takes in the timeline.
GetTakeByIndex(idx)	{takeInfo...}	Returns the take information for the specified index. Includes endFrame, name, and duration.
DeleteTakeByIndex(idx)	Bool	Deletes the take at the specified index. Returns true if successful.
SelectTakeByIndex(idx)	Bool	Selects the take at the specified index.
FinalizeTake()	Bool	Finalizes the current take.
CopyGrades([tgtTimelineItems])	Bool	Copies grades from the source items to the target items in the timeline. Returns true if successful.
SetClipEnabled(Bool)	Bool	Sets the enabled state of the clip. Returns true if successful.
GetClipEnabled()	Bool	Gets the enabled state of the clip.
UpdateSidecar()	Bool	Updates the sidecar file for the project.
GetUniqueId()	string	Returns a unique identifier for the project.
LoadBurnInPreset(presetName)	Bool	Loads a burn-in preset by name. Returns true if successful.
CreateMagicMask(mode)	Bool	Returns a magic mask object based on the specified mode. Create mode creates a new mask, while (backward) mode updates an existing one.
RegenerateMagicMask()	Bool	Regenerates the magic mask.

Name	Return	Definition
<code>Stabilize()</code>	Bool	Returns success.
<code>SmartReframe()</code>	Bool	Performs True if:
<code>GetNodeGraph(layerIdx)</code>	Graph	Returns at layer first lay layerId: nodeSt
<code>GetColorGroup()</code>	ColorGroup	Returns exists.
<code>AssignToColorGroup(ColorGroup)</code>	Bool	Returns assigned ColorG group i
<code>RemoveFromColorGroup()</code>	Bool	Returns success ColorG
<code>ExportLUT(exportType, path)</code>	Bool	Exports value p for LUT notes' : Saves g path ( the int If an er provide (.cube/ end of
<code>GetLinkedItems()</code>	[TimelineItems]	Returns items.
<code>GetTrackTypeAndIndex()</code>	[trackType, trackIndex]	Returns correspond trackTy (int) res trackTy subtitle 1 <= tr Timeline
<code>GetSourceAudioChannelMapping()</code>	json formatted string	Returns audio r 'Audio more ir
<code>GetIsColorOutputCacheEnabled()</code>	cache_value	Returns to cach
<code>GetIsFusionOutputCacheEnabled()</code>	cache_value	Returns to cach
<code>SetColorOutputCache(cache_value)</code>	Bool	Sets ca Equivalent action '

Name	Return	Definition
<code>SetFusionOutputCache(cache_value)</code>	Bool	Sets cache value for Fusion output. Returns Bool.
<code>GetVoiceIsolationState()</code>	{VoiceIsolationState}	Returns current voice isolation state as a dict {isolate: [timelines]}
<code>SetVoiceIsolationState({VoiceIsolationState})</code>	Bool	Sets voice isolation state. Returns Bool.
<code>ResetAllNodeColors()</code>	Bool	Resets all node colors. Returns Bool.

## Gallery

Name	Return	Definition
<code>GetAlbumName(galleryStillAlbum)</code>	string	Returns the name of the GalleryStillAlbum object.
<code>SetAlbumName(galleryStillAlbum, albumName)</code>	Bool	Sets the name of the GalleryStillAlbum object.
<code>GetCurrentStillAlbum()</code>	galleryStillAlbum	Returns current album as a GalleryStillAlbum object.
<code>SetCurrentStillAlbum(galleryStillAlbum)</code>	Bool	Sets current album to GalleryStillAlbum object.
<code>GetGalleryStillAlbums()</code>	[galleryStillAlbum]	Returns the gallery Still albums as a list of GalleryStillAlbum objects.
<code>GetGalleryPowerGradeAlbums()</code>	[galleryStillAlbum]	Returns the gallery PowerGrade albums as a list of GalleryStillAlbum objects.
<code>CreateGalleryStillAlbum()</code>	galleryStillAlbum	Returns a newly created Still album (GalleryStillAlbum).

Name	Return	Definition
<code>CreateGalleryPowerGradeAlbum()</code>	<code>galleryStillAlbum</code>	object), or None if not successful.

## GalleryStillAlbum

Name	Return	Definition
<code>GetStills()</code>	<code>[galleryStill]</code>	Returns the list of <code>GalleryStill</code> objects in the album.
<code>GetLabel(galleryStill)</code>	<code>string</code>	Returns the label of the <code>galleryStill</code> .
<code>SetLabel(galleryStill, label)</code>	<code>Bool</code>	Sets the new <code>label</code> to <code>GalleryStill</code> object <code>galleryStill</code> .
<code>ImportStills([filePaths])</code>	<code>Bool</code>	Imports <code>GalleryStill</code> from each <code>filePath</code> in <code>[filePaths]</code> list. True if at least one still is imported successfully. False otherwise.
<code>ExportStills([galleryStill], folderPath, filePrefix, format)</code>	<code>Bool</code>	Exports list of <code>GalleryStill</code> objects ' <code>[galleryStill]</code> ' to directory <code>FolderPath</code> , with filename prefix <code>filePrefix</code> , using file format <code>format</code> (supported formats: dpx, cin, tif, jpg, png, ppm, bmp, xpm, drx).
<code>DeleteStills([galleryStill])</code>	<code>Bool</code>	Deletes specified list of <code>GalleryStill</code> objects ' <code>[galleryStill]</code> '.

## GalleryStill

This class does not provide any API functions but the object type is used by functions in other classes.

## Graph

Name	Return	Definition
<code>GetNumNodes()</code>	<code>int</code>	Returns the number of nodes in the graph
<code>SetLUT(nodeIndex, lutPath)</code>	<code>Bool</code>	Sets LUT on the node mapping the node index

Name	Return	Definition
<code>GetLUT(nodeIndex)</code>	String	Gets relative LUT path based on the node index provided, $1 \leq \text{nodeIndex} \leq \text{total number of nodes}$ .
<code>SetNodeCacheMode(nodeIndex, cache_value)</code>	Bool	Sets the cache mode type on the node mapping the node index provided. Refer to "Cache Mode" section below to find the possible values of <code>cache_value</code> .
<code>GetNodeCacheMode(nodeIndex)</code>	cache_value	Returns the cache mode type on the node mapping the node index provided.
<code>GetNodeLabel(nodeIndex)</code>	string	Returns the label of the node at <code>nodeIndex</code> .
<code>GetToolsInNode(nodeIndex)</code>	[toolsList]	Returns <code>toolsList</code> (list of strings) of the tools used in the node indicated by given <code>nodeIndex</code> (int).
<code>SetNodeEnabled(nodeIndex, isEnabled)</code>	Bool	Sets the node at the given <code>nodeIndex</code> (int) to <code>isEnabled</code> (bool). $1 \leq \text{nodeIndex} \leq \text{self.GetNumNodes}()$ .
<code>ApplyGradeFromDRX(path, gradeMode)</code>	Bool	Loads a still from given file path (string) and applies grade to graph with <code>gradeMode</code> (int): 0 - "No keyframes", 1 - "Source Timecode aligned", 2 - "Start Frames aligned".
<code>ApplyArriCdlLut()</code>	Bool	Applies ARRI CDL and LUT. Returns True if successful, False otherwise.
<code>ResetAllGrades()</code>	Bool	Returns True if all grades were reset successfully, False otherwise.

## ColorGroup

Name	Return	Definition
<code>GetName()</code>	String	Returns the name (string) of the ColorGroup.
<code>SetName(groupName)</code>	Bool	Renames ColorGroup to groupName (string).
<code>GetClipsInTimeline(Timeline=CurrTimeline)</code>	[TimelineItem]	Returns a list of TimelineItem that are in colorGroup in the given Timeline. Timeline is Current Timeline by default.
<code>GetPreClipNodeGraph()</code>	Graph	Returns the ColorGroup Pre-clip graph.
<code>GetPostClipNodeGraph()</code>	Graph	Returns the ColorGroup Post-clip graph.

## List and Dict Data Structures

Beside primitive data types, Resolve's Python API mainly uses list and dict data structures. Lists are denoted by [ ... ] and dicts are denoted by { ... } above. As Lua does not support list and dict data structures, the Lua API implements `list` as a table with indices, e.g. { [1] = listValue1, [2] = listValue2, ... }. Similarly the Lua API implements `dict` as a table with the dictionary key as first element, e.g. { [dictKey1] = dictValue1, [dictKey2] = dictValue2, ... }.

## Keyframe Mode information

This section covers additional notes for the functions `Resolve.GetKeyframeMode()` and `Resolve.SetKeyframeMode(keyframeMode)`.

`keyframeMode` can be one of the following enums:

```
- `resolve.KEYFRAME_MODE_ALL`    == 0
- `resolve.KEYFRAME_MODE_COLOR` == 1
- `resolve.KEYFRAME_MODE_SIZING` == 2
```

Integer values returned by `Resolve.GetKeyframeMode()` will correspond to the enums above.

## Cache Mode information

This section covers additional notes for the functions `Graph:GetNodeCacheMode(nodeIndex)` and `Graph:SetNodeCacheMode(nodeIndex, cache_value)`.

`cache_value` is an enumerated integer with one of the following values:

- `resolve.CACHE\_AUTO\_ENABLED` = -1
- `resolve.CACHE\_DISABLED` = 0
- `resolve.CACHE\_ENABLED` = 1

Integer values returned by `Graph:GetNodeCacheMode(nodeIndex)` will correspond to the enums above.

## Cloud Projects Settings

This section covers additional notes for the functions

`ProjectManager:LoadCloudProject`, `ProjectManager>CreateCloudProject`,  
`ProjectManager:ImportCloudProject`, and `ProjectManager:RestoreCloudProject`

All four functions `ProjectManager:CreateCloudProject`,  
`ProjectManager:LoadCloudProject`, `ProjectManager:ImportCloudProject`, and  
`ProjectManager:RestoreCloudProject` take in a `{cloudSettings}` dict, that have the following keys:

- `resolve.CLOUD_SETTING_PROJECT_NAME` : String, [`` by default]
- `resolve.CLOUD_SETTING_PROJECT_MEDIA_PATH` : String, [`` by default]
- `resolve.CLOUD_SETTING_IS_COLLAB` : Bool, [False by default]
- `resolve.CLOUD_SETTING_SYNC_MODE` : syncMode (see below), [  
`resolve.CLOUD_SYNC_PROXY_ONLY` by default]
- `resolve.CLOUD_SETTING_IS_CAMERA_ACCESS` : Bool [False by default]

Note that `ProjectManager:LoadCloudProject` only honour the following keys:

`resolve.CLOUD_SETTING_PROJECT_NAME`,  
`resolve.CLOUD_SETTING_PROJECT_MEDIA_PATH` and  
`resolve.CLOUD_SETTING_SYNC_MODE`. Only 1st load on a given system will honour all 3 settings. Subsequent loads will honour only  
`resolve.CLOUD_SETTING_PROJECT_NAME`

Where `syncMode` is one of the following values:

- `resolve.CLOUD_SYNC_NONE`,
- `resolve.CLOUD_SYNC_PROXY_ONLY`,
- `resolve.CLOUD_SYNC_PROXY_AND_ORIG`

All four functions `ProjectManager:CreateCloudProject`,  
`ProjectManager:LoadCloudProject`, `ProjectManager:ImportCloudProject`, and  
`ProjectManager:RestoreCloudProject` require `resolve.PROJECT_MEDIA_PATH` to be defined. `ProjectManager:LoadCloudProject` and  
`ProjectManager:CreateCloudProject` also requires `resolve.PROJECT_NAME` to be defined.

## Audio Sync Settings

This section covers additional notes for the functions `MediaPool:AutoSyncAudio`.

`AutoSyncAudio` takes in a `{audioSyncSettings}` dict, that has the following keys:

- `resolve.AUDIO_SYNC_MODE` : `audioSyncMode` (see below), [  
`resolve.AUDIO_SYNC_TIMECODE` by default]
- `resolve.AUDIO_SYNC_CHANNEL_NUMBER` : `channelNumber` (see below) [1 by default]
- `resolve.AUDIO_SYNC_RETAIN_EMBEDDED_AUDIO` : `Bool`, [False by default]
- `resolve.AUDIO_SYNC_RETAIN_VIDEO_METADATA` : `Bool`, [False by default]

`audioSyncMode` can be one of the following:

- `resolve.AUDIO_SYNC_WAVEFORM`
- `resolve.AUDIO_SYNC_TIMECODE`

With `AUDIO_SYNC_WAVEFORM` mode, `channelNumber` is used to determine channel offset for comparison. `channelNumber` can be one of the following:

- `resolve.AUDIO_SYNC_CHANNEL_AUTOMATIC` = -1
- `resolve.AUDIO_SYNC_CHANNEL_MIX` = -2
- an actual channel offset from input media for waveform comparison.  $1 \leq \text{channel offset} \leq \text{channelMax}$ , where `channelMax` is the channel count of the audio clip in `[MediaPoolItems]` with the fewest channels.

## Looking up Project and Clip properties

This section covers additional notes for the functions `Project:GetSetting`, `Project:SetSetting`, `Timeline:GetSetting`, `Timeline:SetSetting`, `MediaPoolItem:GetClipProperty` and `MediaPoolItem:SetClipProperty`. These functions are used to get and set properties otherwise available to the user through the Project Settings and the Clip Attributes dialogs.

The functions follow a key-value pair format, where each property is identified by a key (the `settingName` or `propertyName` parameter) and possesses a value (typically a text value). Keys and values are designed to be easily correlated with parameter names and values in the Resolve UI. Explicitly enumerated values for some parameters are listed below.

Some properties may be read only - these include intrinsic clip properties like date created or sample rate, and properties that can be disabled in specific application contexts (e.g. custom colorspaces in an ACES workflow, or output sizing parameters when behavior is set to match timeline)

### Getting values:

Invoke `Project:GetSetting`, `Timeline:GetSetting` or `MediaPoolItem:GetClipProperty` with the appropriate property key. To get a snapshot of all queryable properties (keys and values), you can call `Project:GetSetting`, `Timeline:GetSetting` or `MediaPoolItem:GetClipProperty` without parameters (or with a `NoneType` or a blank property key). Using specific keys to query individual properties will be faster. Note that getting a property using an invalid key will return a trivial result.

### Setting values:

Invoke `Project:SetSetting`, `Timeline:SetSetting` or `MediaPoolItem:SetClipProperty` with the appropriate property key and a valid value. When setting a parameter, please check the return value to ensure the success of the operation. You can troubleshoot the validity of keys and values by setting the desired result from the UI and checking property snapshots before and after the change.

The following Project properties have specifically enumerated values:

`superScale` - the property value is an enumerated integer between 0 and 4 with these meanings: 0=Auto, 1=no scaling, and 2, 3 and 4 represent the Super Scale

multipliers 2x, 3x and 4x. for super scale multiplier '2x Enhanced', exactly 4 arguments must be passed as outlined below. If less than 4 arguments are passed, it will default to 2x. Affects:

- `x = Project:GetSetting( superScale )` and `Project:SetSetting( superScale , x)` • for '2x Enhanced' --> `Project:SetSetting( superScale , 2, sharpnessValue, noiseReductionValue)`, where `sharpnessValue` is a float in the range [0.0, 1.0] and `noiseReductionValue` is a float in the range [0.0, 1.0]

`timelineFrameRate` - the property value is one of the frame rates available to the user in project settings under "Timeline frame rate" option. Drop Frame can be configured for supported frame rates by appending the frame rate with "DF", e.g. "29.97 DF" will enable drop frame and "29.97" will disable drop frame Affects:

- `x = Project:GetSetting( timelineFrameRate )` and `Project:SetSetting( timelineFrameRate , x)`

The following Clip properties have specifically enumerated values:

"Super Scale" - the property value is an enumerated integer between 1 and 4 with these meanings: 1=no scaling, and 2, 3 and 4 represent the Super Scale multipliers 2x, 3x and 4x. for super scale multiplier '2x Enhanced', exactly 4 arguments must be passed as outlined below. If less than 4 arguments are passed, it will default to 2x. Affects:

- `x = MediaPoolItem:GetClipProperty('Super Scale')` and `MediaPoolItem:SetClipProperty('Super Scale', x)` • for '2x Enhanced' --> `MediaPoolItem:SetClipProperty('Super Scale', 2, sharpnessValue, noiseReductionValue)`, where `sharpnessValue` is a float in the range [0.0, 1.0] and `noiseReductionValue` is a float in the range [0.0, 1.0]

"Cloud Sync" = the property value is an enumerated integer that will correspond to one of the following enums:

- `resolve.CLOUD_SYNC_DEFAULT == -1`
- `resolve.CLOUD_SYNC_DOWNLOAD_IN_QUEUE == 0`
- `resolve.CLOUD_SYNC_DOWNLOAD_IN_PROGRESS == 1`
- `resolve.CLOUD_SYNC_DOWNLOAD_SUCCESS == 2`
- `resolve.CLOUD_SYNC_DOWNLOAD_FAIL == 3`
- `resolve.CLOUD_SYNC_DOWNLOAD_NOT_FOUND == 4`
- `resolve.CLOUD_SYNC_UPLOAD_IN_QUEUE == 5`
- `resolve.CLOUD_SYNC_UPLOAD_IN_PROGRESS == 6`
- `resolve.CLOUD_SYNC_UPLOAD_SUCCESS == 7`
- `resolve.CLOUD_SYNC_UPLOAD_FAIL == 8`
- `resolve.CLOUD_SYNC_UPLOAD_NOT_FOUND == 9`
- `resolve.CLOUD_SYNC_SUCCESS == 10`

## Audio Mapping

This section covers the output for `mpItem.GetAudioMapping()` and `timelineItem.GetSourceAudioChannelMapping()`. Mapping format (json result) is similar for `mpItem` and `timelineItem`.

This section will follow an example of an `mpItem` that has audio from its embedded source, and from two other clips that are linked to it. The audio clip attributes of this `mpItem` will show 3 tracks.

Assume that (A) the embedded track is of format/type `stereo` (2 channels), (B) linked clip 1 track is of format/type '7.1' (8 channels). (C) linked clip 2 track is '5.1'

(6 channels) and assume that the format/type was not changed further.

`mpItem.GetAudioMapping()` returns a string of the form:

```
{
    "embedded_audio_channels": 2,                                # Total number of embedded
    "linked_audio": {                                              # A list of only linked au
        "1": {                                                       # Same as (B) above
            "channels": 8,
            "offset": -100,                                         # Audio at media offset 0
            "path": FILE_PATH
        },
        "2": {                                                       # Same as (C) above
            "channels": 6,
            "offset": 200,                                         # Audio at media start pla
            "path": FILE_PATH
        }
    },
    "track_mapping": {                                            # Listing of all the track
        "1": {                                                      
            "channel_idx": [1, 3],                                     # In this case, channel in
            "mute": true,                                         # Mute 'true' indicates tr
            "type": "Stereo"                                       # The length of the 'chann
            # In this case, 'Stereo' a
        },
        "2": {                                                      
            "channel_idx": [3, 4, 5, 6, 7, 8, 9, 10], # Channel indices here are
            "mute": true,
            "type": "7.1"
        },
        "3": {                                                      
            "channel_idx": [1, 1, 1, 1, 15, 16],      # The first four channels
            "mute": false,
            "type": "5.1"
        }
    }
}
```

## Auto Caption Settings

This section covers the supported settings for the method  
`Timeline.CreateSubtitlesFromAudio({autoCaptionSettings})`

The parameter setting is a dictionary containing the following keys:

- `resolve.SUBTITLE_LANGUAGE` : languageID (see below), [  
`resolve.AUTO_CAPTION_AUTO` by default]
- `resolve.SUBTITLE_CAPTION_PRESET` : presetType (see below), [  
`resolve.AUTO_CAPTION_SUBTITLE_DEFAULT` by default]
- `resolve.SUBTITLE_CHARS_PER_LINE` : Number between 1 and 60 inclusive [42 by default]
- `resolve.SUBTITLE_LINE_BREAK` : lineBreakType (see below), [  
`resolve.AUTO_CAPTION_LINE_SINGLE` by default]
- `resolve.SUBTITLE_GAP` : Number between 0 and 10 inclusive [0 by default]

Note that the default values for some keys may change based on values defined for other keys, as per the UI. For example, if the following dictionary is supplied,

```
{ resolve.SUBTITLE_LANGUAGE = resolve.AUTO_CAPTION_KOREAN,
  resolve.SUBTITLE_CAPTION_PRESET = resolve.AUTO_CAPTION_NETFLIX }
```

the default value for `resolve.SUBTITLE_CHARS_PER_LINE` will be 16 instead of 42  
languageIDs:

- `resolve.AUTO_CAPTION_AUTO`
- `resolve.AUTO_CAPTION_DANISH`
- `resolve.AUTO_CAPTION_DUTCH`
- `resolve.AUTO_CAPTION_ENGLISH`
- `resolve.AUTO_CAPTION_FRENCH`
- `resolve.AUTO_CAPTION_GERMAN`
- `resolve.AUTO_CAPTION_ITALIAN`
- `resolve.AUTO_CAPTION_JAPANESE`
- `resolve.AUTO_CAPTION_KOREAN`
- `resolve.AUTO_CAPTION_MANDARIN_SIMPLIFIED`
- `resolve.AUTO_CAPTION_MANDARIN_TRADITIONAL`
- `resolve.AUTO_CAPTION_NORWEGIAN`
- `resolve.AUTO_CAPTION_PORTUGUESE`
- `resolve.AUTO_CAPTION_RUSSIAN`
- `resolve.AUTO_CAPTION_SPANISH`
- `resolve.AUTO_CAPTION_SWEDISH`

`presetTypes:`

- `resolve.AUTO_CAPTION_SUBTITLE_DEFAULT`
- `resolve.AUTO_CAPTION_TELETEXT`
- `resolve.AUTO_CAPTION_NETFLIX`

`lineBreakTypes:`

- `resolve.AUTO_CAPTION_LINE_SINGLE`
- `resolve.AUTO_CAPTION_LINE_DOUBLE`

## Looking up Render Settings

This section covers the supported settings for the method `SetRenderSettings({settings})`

The parameter setting is a dictionary containing the following keys:

- `SelectAllFrames` : Bool (when set True, the settings `MarkIn` and `MarkOut` are ignored)
- `MarkIn` : int
- `MarkOut` : int
- `TargetDir` : string
- `CustomName` : string
- `UniqueFilenameStyle` : 0 - Prefix, 1 - Suffix.
- `ExportVideo` : Bool
- `ExportAudio` : Bool
- `FormatWidth` : int
- `FormatHeight` : int
- `FrameRate` : float (examples: 23.976, 24)
- `PixelAspectRatio` : string (for SD resolution: `16_9` or `4_3`) (other resolutions: `square` or `cinemascope` )
- `VideoQuality` possible values for current codec (if applicable):
  - 0 (int) - will set quality to automatic
  - [1 -> MAX] (int) - will set input bit rate

- [ Least , Low , Medium , High , Best ] (String) - will set input quality level
- AudioCodec : string (example: aac )
- AudioBitDepth : int
- AudioSampleRate : int
- ColorSpaceTag : string (example: "Same as Project", AstroDesign )
- GammaTag : string (example: "Same as Project", ACEScct )
- ExportAlpha : Bool
- EncodingProfile : string (example: Main10 ). Can only be set for H.264 and H.265.
- MultiPassEncode : Bool. Can only be set for H.264.
- AlphaMode : 0 - Premultiplied, 1 - Straight. Can only be set if ExportAlpha is true.
- NetworkOptimization : Bool. Only supported by QuickTime and MP4 formats.
- ClipStartFrame : int
- TimelineStartTimecode : string (example: "01:00:00:00")
- ReplaceExistingFilesInPlace : Bool
- ExportSubtitle : Bool
- SubtitleFormat : string (options: BurnIn , EmbeddedCaptions , SeparateFile )

## Looking up timeline export properties

This section covers the parameters for the argument Export(fileName, exportType, exportSubtype).

exportType can be one of the following constants:

- resolve.EXPORT\_AAF
  - resolve.EXPORT\_DRT
  - resolve.EXPORT\_EDL
  - resolve.EXPORT\_FCP\_7\_XML
  - resolve.EXPORT\_FCPXML\_1\_8
  - resolve.EXPORT\_FCPXML\_1\_9
  - resolve.EXPORT\_FCPXML\_1\_10
  - resolve.EXPORT\_HDR\_10\_PROFILE\_A
  - resolve.EXPORT\_HDR\_10\_PROFILE\_B
  - resolve.EXPORT\_TEXT\_CSV
  - resolve.EXPORT\_TEXT\_TAB
  - resolve.EXPORT\_DOLBY\_VISION\_VER\_2\_9
  - resolve.EXPORT\_DOLBY\_VISION\_VER\_4\_0
  - resolve.EXPORT\_DOLBY\_VISION\_VER\_5\_1
  - resolve.EXPORT\_OTIO
  - resolve.EXPORT\_ALE
  - resolve.EXPORT\_ALE\_CDL
- exportSubtype can be one of the following enums:
- resolve.EXPORT\_NONE
  - resolve.EXPORT\_AAF\_NEW
  - resolve.EXPORT\_AAF\_EXISTING
  - resolve.EXPORT\_CDL
  - resolve.EXPORT\_SDL
  - resolve.EXPORT\_MISSING\_CLIPS

Please note that `exportSubType` is a required parameter for `resolve.EXPORT_AAF` and `resolve.EXPORT_EDL`. For rest of the `exportType`, `exportSubtype` is ignored.

When `exportType` is `resolve.EXPORT_AAF`, valid `exportSubtype` values are `resolve.EXPORT_AAF_NEW` and `resolve.EXPORT_AAF_EXISTING`.

When `exportType` is `resolve.EXPORT_EDL`, valid `exportSubtype` values are `resolve.EXPORT_CDL`, `resolve.EXPORT_SDL`, `resolve.EXPORT_MISSING_CLIPS` and `resolve.EXPORT_NONE`. Note: Replace `resolve.` when using the constants above, if a different Resolve class instance name is used.

## Unsupported exportType types

Starting with DaVinci Resolve 18.1, the following export types are not supported:

- `resolve.EXPORT_FCPXML_1_3``
- `resolve.EXPORT_FCPXML_1_4``
- `resolve.EXPORT_FCPXML_1_5``
- `resolve.EXPORT_FCPXML_1_6``
- `resolve.EXPORT_FCPXML_1_7``

## Looking up Timeline item properties

This section covers additional notes for the function "TimelineItem:SetProperty" and "TimelineItem:GetProperty". These functions are used to get and set properties mentioned.

The supported keys with their accepted values are:

- `Pan` : floating point values from -4.0width to 4.0width
- `Tilt` : floating point values from -4.0height to 4.0height
- `ZoomX` : floating point values from 0.0 to 100.0
- `ZoomY` : floating point values from 0.0 to 100.0
- `ZoomGang` : a boolean value
- `RotationAngle` : floating point values from -360.0 to 360.0
- `AnchorPointX` : floating point values from -4.0width to 4.0width
- `AnchorPointY` : floating point values from -4.0height to 4.0height
- `Pitch` : floating point values from -1.5 to 1.5
- `Yaw` : floating point values from -1.5 to 1.5
- `FlipX` : boolean value for flipping horizontally
- `FlipY` : boolean value for flipping vertically
- `CropLeft` : floating point values from 0.0 to width
- `CropRight` : floating point values from 0.0 to width
- `CropTop` : floating point values from 0.0 to height
- `CropBottom` : floating point values from 0.0 to height
- `CropSoftness` : floating point values from -100.0 to 100.0
- `CropRetain` : boolean value for "Retain Image Position" checkbox
- `DynamicZoomEase` : A value from the following constants
  - `DYNAMIC_ZOOM_EASE_LINEAR` = 0
  - `DYNAMIC_ZOOM_EASE_IN`
  - `DYNAMIC_ZOOM_EASE_OUT`
  - `DYNAMIC_ZOOM_EASE_IN_AND_OUT`
- `CompositeMode` : A value from the following constants
  - `COMPOSITE_NORMAL` = 0
  - `COMPOSITE_ADD`

- COMPOSITE\_SUBTRACT
- COMPOSITE\_DIFF
- COMPOSITE\_MULTIPLY
- COMPOSITE\_SCREEN
- COMPOSITE\_OVERLAY
- COMPOSITE\_HARDLIGHT
- COMPOSITE\_SOFTLIGHT
- COMPOSITE\_DARKEN
- COMPOSITE\_LIGHTEN
- COMPOSITE\_COLOR\_DODGE
- COMPOSITE\_COLOR\_BURN
- COMPOSITE\_EXCLUSION
- COMPOSITE\_HUE
- COMPOSITE\_SATURATE
- COMPOSITE\_COLORIZE
- COMPOSITE\_LUMA\_MASK
- COMPOSITE\_DIVIDE
- COMPOSITE\_LINEAR\_DODGE
- COMPOSITE\_LINEAR\_BURN
- COMPOSITE\_LINEAR\_LIGHT
- COMPOSITE\_VIVID\_LIGHT
- COMPOSITE\_PIN\_LIGHT
- COMPOSITE\_HARD\_MIX
- COMPOSITE\_LIGHTER\_COLOR
- COMPOSITE\_DARKER\_COLOR
- COMPOSITE\_FOREGROUND
- COMPOSITE\_ALPHA
- COMPOSITE\_INVERTED\_ALPHA
- COMPOSITE\_LUM
- COMPOSITE\_INVERTED\_LUM
- `Opacity` : floating point value from 0.0 to 100.0
- `Distortion` : floating point value from -1.0 to 1.0
- `RetimeProcess` : A value from the following constants
  - RETIME\_USE\_PROJECT = 0
  - RETIME\_NEAREST
  - RETIME\_FRAME\_BLEND
  - RETIME\_OPTICAL\_FLOW
- `MotionEstimation` : A value from the following constants
  - MOTION\_EST\_USE\_PROJECT = 0
  - MOTION\_EST\_STANDARD\_FASTER
  - MOTION\_EST\_STANDARD\_BETTER
  - MOTION\_EST\_ENHANCED\_FASTER
  - MOTION\_EST\_ENHANCED\_BETTER
  - MOTION\_EST\_SPEED\_WARP\_BETTER
  - MOTION\_EST\_SPEED\_WARP\_FASTER
- `Scaling` : A value from the following constants
  - SCALE\_USE\_PROJECT = 0
  - SCALE\_CROP
  - SCALE\_FIT
  - SCALE\_FILL
  - SCALE\_STRETCH
- `ResizeFilter` : A value from the following constants
  - RESIZE\_FILTER\_USE\_PROJECT = 0
  - RESIZE\_FILTER\_SHARPER

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- RESIZE\_FILTER\_SMOOTH
- RESIZE\_FILTER\_BICUBIC
- RESIZE\_FILTER\_BILINEAR
- RESIZE\_FILTER\_BESSEL
- RESIZE\_FILTER\_BOX
- RESIZE\_FILTER\_CATMULL\_ROM
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- RESIZE\_FILTER\_LANCZOS
- RESIZE\_FILTER\_MITCHELL
- RESIZE\_FILTER\_NEAREST\_NEIGHBOR
- RESIZE\_FILTER\_QUADRATIC
- RESIZE\_FILTER\_SINC
- RESIZE\_FILTER\_LINEAR Values beyond the range will be clipped width and height are same as the UI max limits

The arguments can be passed as a key and value pair or they can be grouped together into a dictionary (for python) or table (for lua) and passed as a single argument.

Getting the values for the keys that uses constants will return the number which is in the constant

## ExportLUT notes

The following section covers additional notes for `TimelineItem.ExportLUT(exportType, path)`.

Supported values for `exportType` (enum) are:

- `resolve.EXPORT\_LUT\_17PTCUBE`
- `resolve.EXPORT\_LUT\_33PTCUBE`
- `resolve.EXPORT\_LUT\_65PTCUBE`
- `resolve.EXPORT\_LUT\_PANASONICVLUT`

## Deprecated Resolve API Functions

The following API functions are deprecated.

### ProjectManager

Name	Return	Definition
<code>GetProjectsInCurrentFolder()</code>	{project names...}	Returns a dict of project names in current folder.
<code>GetFoldersInCurrentFolder()</code>	{folder names...}	Returns a dict of folder names in current folder.

### Project

Name	Return	Definition
<code>GetPresets()</code>	{presets...}	Returns a dict of presets and their information.
<code>GetRenderJobs()</code>	{render jobs...}	Returns a dict of render jobs and their information.

Name	Return	Definition
GetRenderPresets()	{presets...}	Returns a dict of render presets and their information.

## MediaStorage

Name	Return	Definition
GetMountedVolumes()	{paths...}	Returns a dict of folder paths corresponding to mounted volumes displayed in Resolve's Media Storage.
GetSubFolders(folderPath)	{paths...}	Returns a dict of folder paths in the given absolute folder path.
GetFiles(folderPath)	{paths...}	Returns a dict of media and file listings in the given absolute folder path. Note that media listings may be logically consolidated entries.
AddItemsToMediaPool(item1, item2, ...)	{clips...}	Adds specified file/folder paths from Media Storage into current Media Pool folder. Input is one or more file/folder paths. Returns a dict of the MediaPoolItems created.
AddItemsToMediaPool([items...])	{clips...}	Adds specified file/folder paths from Media Storage into current Media Pool folder. Input is an array of file/folder paths. Returns a dict of the MediaPoolItems created.

## Folder

Name	Return	Definition
GetClips()	{clips...}	Returns a dict of clips (items) within the folder.
GetSubFolders()	{folders...}	Returns a dict of subfolders in the folder.

## MediaPoolItem

Name	Return	Definition
GetFlags()	{colors...}	Returns a dict of flag colors assigned to the item.

## Timeline

Name	Return	Definition
GetItemsInTrack(trackType, index)	{items...}	Returns a dict of Timeline items on the video or audio track (based on trackType) at specified

## TimelinItem

Name	Return	Definition
GetFusionCompNames()	{names...}	Returns a dict of Fusion composition names associated with the timeline item.
GetFlags()	{colors...}	Returns a dict of flag colors assigned to the item.
GetVersionNames(versionType)	{names...}	Returns a dict of version names by provided versionType: 0 - local, 1 - remote.
GetNumNodes()	int	Returns the number of nodes in the current graph for the timeline item
SetLUT(nodeIndex, lutPath)	Bool	Sets LUT on the node mapping the node index provided, 1 <= nodeIndex <= total number of nodes. The lutPath can be an absolute path, or a relative path (based off custom LUT paths or the master LUT path). The operation is successful for valid lut paths that Resolve has already discovered (see Project.RefreshLUTList).
GetLUT(nodeIndex)	String	Gets relative LUT path based on the node index provided, 1 <= nodeIndex <= total number of nodes.
getNodeLabel(nodeIndex)	string	Returns the label of the node at nodeIndex.

## Unsupported Resolve API Functions

The following API (functions and parameters) are no longer supported. Use job IDs instead of indices.

## Project

Name	Return	Definition
StartRendering(index1, index2, ...)	Bool	Please use unique job ids (string) instead of indices.

Name	Return	Definition
<code>StartRendering([idxs...])</code>	Bool	Please use unique job ids (string) instead of indices.
<code>DeleteRenderJobByIndex(idx)</code>	Bool	Please use unique job ids (string) instead of indices.
<code>GetRenderJobStatus(idx)</code> <code>GetSetting and SetSetting</code>	{status info}{} Bool	Please use unique job ids (string) instead of indices. settingName videoMonitorUseRec601For422SDI is now replaced with videoMonitorUseMatrixOverrideFor422S and videoMonitorMatrixOverrideFor422SDI. settingName perfProxyMediaOn is now replaced with perfProxyMediaMode which takes values 0 - disabled, 1 - when available, 2 - when source not available.