ConVidSDK - Integration Guide

About:

This SDK will convert the video at given URL into .mp4/.mov/.m4v format and compress it with predefined compression bit rate of VLD/LD/SD/HD/VHD/nill.

SDK Configuration:

Declare the sdk_config var of type ConVidConfiguration to pass the required Configuration values to SDK

```
var sdk_config:ConVidConfiguration  = ConVidConfiguration()
```

CONFIGURATION PARAMETERS:

```
sdk_config.FILE_SIZE_LIMIT = .MAX_30MB
```
      The **FILE_SIZE_LIMIT** configuration property is meant for specifying the threshold value for the input video file size. i.e. if th input video file size is greater than the set value then the video will be compressed and converted by the SDK. Else the compression or conversion is not done.

Allowed Values:
This will accept the Enum values defined in the SDK enum **FILE_SIZE_LIMIT** .
Values -
MAX_10MB ,MAX_20MB ,MAX_30MB ,MAX_40MB ,MAX_50MB ,MAX_60MB ,MAX_70MB ,MAX_80MB ,MAX_90MB ,MAX_100MB ,MAX_200MB ,MAX_300MB ,MAX_400MB ,MAX_500MB

```
sdk_config.OUTPUT_FORMAT = .mp4
```
      The OUTPUT_FORMAT configuration property is meant for specifying the output video format to which the SDK must convert the video. This property will take the values of type AVFileType, i.e.

Allowed values
.**mp4, .m4v, .mov**

```
sdk_config.COMPRESSION = .HD
```
The **COMPRESSION** configuration property is meant for specifying the compression quality in terms of definition, i.e. for compressing the video to quality of High Definition Video set ".HD"

Allowed Values:
This will accept the Enum values defined in the SDK, enum **COMPRESSION_MODE** .
Values - **NO_COMPRESSION, VHD ,HD ,SD ,LD ,VLD**

Steps for Integration of ConVidSDK:

- copy the ConVidSDK.framework to the project folder
- In Xcode project settings General>Frameworks & Libraries Add the SDK as framework with "Embed & Sign" option
- Go to your swift class file and add below code:

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- **import** ConVidSDK

- Declare the below variables
    ```
    var sdk_config:ConVidConfiguration  = ConVidConfiguration()
    var sdk_conVid:ConVidSDK!
    ```

- Set the configuration values
    ```
    sdk_config.FILE_SIZE_LIMIT = .MAX_30MB
    sdk_config.OUTPUT_FORMAT = .mp4
    sdk_config.COMPRESSION = .HD
    ```

- Initialise the SDK with configuration
    ```
    sdk_conVid = ConVidSDK()
    sdk_conVid.initSDK(with: sdk_config)
    ```

- To get the video compressed and converted to required format
    - Input Parameters:
        - localURL -> This must be the url to the video file that must be converted and compressed by the SDK.
    - Output Parameters:
        - SDK will return the output in the closure block with two parameters **convertedUrl** and **outFileSize**
        - The SDK will return **convertedUrl** the URL to the converted file placed at the tmp folder by the SDK and **outFileSize** the size of the converted file in MB.

```
self?.sdk_conVid!.processFile(atURL: localURL, completion: { convertedUrl,outFileSize  in

    DispatchQueue.main.async {
      print("Converted File URL: \(convertedUrl)")
      print("Converted File Size: \(outFileSize)")
    }
})
```