Web SDK - Integration Guide

This guide provides step-by-step instructions for integrating the HyperKYC Web SDK into your project.

ADDITIONAL RESOURCE

• Complete Sample Project: A ready to use example project with all the code you need to get started with the Web SDK quickly.

Prerequisites

Before starting the integration, please ensure you meet all the requirements listed in the Prerequisites for Web SDK Integration section.

Integration Steps

The following steps will guide you through implementing the HyperVerge WebSDK in your application:

Step 1: Add the SDK Script to Your Project

Add the following script to your HTML page :

```
<script src="https://hv-web-sdk-cdn.hyperverge.co/hyperverge-web-sdk@<actual_SDK_VERSION>/src/sdk.min.js"></script>
```

Replace

@<actual_sdk_version>

with the specific version number for production use. Please check out the

changelog

for the current recommended version.

Step 2: Launch the SDK

You have two options to initialise and launch the HyperKYC SDK:

Option 1: Pass the WorkflowID and transactionID directly

Create a HyperKycConfig instance and launch the workflow:

JavaScript

```
const hyperKycConfig = new HyperKycConfig(
  "<jwtToken>",        // JWT token generated from your backend
  "<workflowID>",      // Workflow identifier
  "<transactionID>",   // Unique transaction identifier
  true                 // Optional: true to show landing page, default is false
);
await HyperKYCModule.launch(hyperKycConfig, callback); // see handler function in the error handling section for callback function
```

Option 2: Pass only the authToken containing the WorkflowID and transactionID

1. Generate the auth token from your backend.

2. Initialise the SDK using the generated token:

JavaScript

```
const hyperKycConfig = new HyperKycConfig(
  "<jwtToken>", // JWT token with WorkflowID and transactionID in payload
  true          // Optional: true to show landing page, default is false
);
await HyperKYCModule.launch(hyperKycConfig, callback); // see handler function in the error handling section for callback function
```

Parameter Descriptions

The following table provides the details of the parameters required for the Launch SDK step:

Parameter Name	Description
jwtToken	• A secure JWT token generated from your backend to authenticate requests
workflowID	Name/ID of the workflow you're launching
transactionID	A unique ID for tracking individual transactions
Landing Page Flag	If set to true , a landing page is displayed before the configured journey begins, informing users about what to expect during the journey
Callback	A function to handle the SDK response after workflow completion

Step 3 (Optional): Prefetch Resources and Configs

To improve performance, prefetch resources and configs before launch:

JavaScript

```
HyperKYCModule.prefetch(appId, workflowId);
```

- appId: Your assigned App ID
- workflowId: Name/ID of the workflow configured in the HyperVerge dashboard

Step 4: Optional Configurations

Customise your HyperKYC Web SDK setup with configurations based on your specific needs.

NOTE
These configuration methods should be executed after creating the

HyperKycConfig instance but before calling the

launch() method.

setInputs

Use this function to pass additional input parameters to the SDK. Only apply this configuration when your workflow explicitly requires external input data beyond the standard flow.

JavaScript

```
hyperKycConfig.setInputs({
  "input_key": "input_value"
});
```

supportDarkMode

Use this function to enable automatic system theme detection for the SDK interface**.** When set to true, the SDK will launch in dark mode if the system is in dark mode, or light mode if the system is in light mode. By default (when not set or set to false), the SDK always launches in light mode regardless of system settings.

JavaScript

```
hyperKycConfig.supportDarkMode(true);
```

setCustomFontStylesheet

Use this function to specify a custom font stylesheet URL for your workflow UI. This is required if you're using an SDK version older than 8.11.5 and need custom fonts. For SDK version 8.11.5 and newer, this function is optional since font URLs can be included directly in the workflow's UI configuration instead.

JavaScript

```
hyperKycConfig.setCustomFontStylesheet('https://fonts.googleapis.com/css2?family=Roboto');
```

setDefaultLangCode

Use this function when multiple languages are configured in your workflow's text configuration. This allows the SDK to identify which language to use by default when fetching the text configuration. If you don't specify a language, the SDK will default to the first language listed in the workflow config.

JavaScript

```
hyperKycConfig.setDefaultLangCode('en');
```

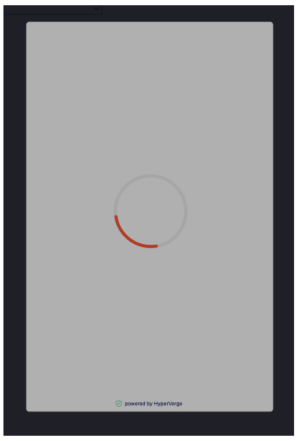
setInitialLoaderColor

Use this function to set the loader color displayed immediately when the SDK is launched. Initially, the SDK loads, during which it briefly displays a default purple loader. If you'd like to customize this initial loader color to avoid the default color, apply this setter function.

JavaScript

```
hyperKycConfig.setInitialLoaderColor('#ff5733');
```

- For example, if you set setInitialLoaderColor to #ff5733, a red loader will be displayed from the beginning.



setUseLocation

Use this setter function to enable the SDK to request user consent for accessing their location before proceeding with workflow execution. If the user denies location access, they will be prevented from continuing with the workflow.

JavaScript

```
hyperKycConfig.setUseLocation(true); // default is false
```

setUniqueId (Deprecated)

Use this function specifically for workflows with cross-platform resume enabled. By providing a unique ID, users can resume the workflow seamlessly across different platforms and devices, maintaining their progress throughout the process.

JavaScript

```
hyperKycConfig.setUniqueId('<unique_id>');
```

SDK Responses

For detailed information about Web SDK responses, see the SDK Response Documentation .

Error Handling

The following codeblock provides an example of how to handle the status values in the HyperKycResult object:

Javascript

```
const handler = (HyperKycResult) => {
      switch (HyperKycResult.status) {
        case "user_cancelled":
          console.log("User cancelled the workflow");
          break;
        case "error":
          alert("Error");
          console.log(HyperKycResult);
          break;
        case "auto_approved":
          alert("User approved");
          console.log()
          break;
        case "auto_declined":
          console.log("Workflow auto-declined");
          break;
        case "needs_review":
          console.log("Workflow needs manual review");
          break;
        default:
          console.warn("Unknown status:", HyperKycResult.status);
          break;
      }
    };
```

Important: Always handle all possible status values to prevent technical errors and workflow interruptions.

Error Response Details

The HyperKYC Web SDK returns the following standardized error codes that categorize different failure types during workflow execution:

Error code	Error message	Description	Summary
101	Unable to Fetch workFlow with WorkflowID: <workflow_id>	• The SDK is unable to find the specified workflow ID for the provided app ID. • The app ID is parsed from the auth token passed to the SDK • If you encounter this error, please verify that the workflow ID exists within the app ID, and ensure you are using the correct app ID to generate the auth token	SDK Config Error
101	Unable to Fetch Text Config	If the workflow has a custom text config source configured and the SDK cannot locate the text config file, please verify that the file exists and is correctly placed under the appropriate app ID.	SDK Config Error
101	accessToken cannot be empty	The access token was not provided during SDK initialization and launch.	SDK Config Error
101	WorkflowID cannot be empty	The workflow id was not provided during SDK initialization and launch.	SDK Config Error
101	transactionID cannot be empty	The transactionID was not provided during SDK initialization and launch.	SDK Config Error
101	Invalid Request Headers / Request Body	• This indicates that the Get Transaction State API, used in the Cross-Platform Resume feature, is returning a 4xx error • This means that one or more of the inputs—such as the unique ID or workflow ID—passed to the API is incorrect	SDK Config Error
101	uniqueId invalid	Unique is not passed in the correct format. It should be standard UUID format	SDK Config Error
101	Local data not supported by cross platform resume	• When the Cross-Platform Resume feature is enabled, the workflow should not be configured to pass module variables that store file references of locally saved document and face files • This is because web and mobile platforms use different formats, which are not compatible • If this error occurs, ensure that the default exposed variables for document and face are passed as inputs to other modules	SDK Config Error
102	<input> is not found in inputs	• The inputsRequired object in the workflow defines the list of inputs needed by the SDK to start the journey • If any of the inputs listed in inputsRequired are missing in the setInputs, this error will be triggered.	Workflow Input Error
102	value <value_passed> for key <key_name> is not of the expected	• The inputsRequired object in the workflow defines the list of inputs required by the SDK to start the journey, along with their expected data types • If the data type of any input passed to the SDK does	Workflow Input Error

Error code	Error message	Description	Summary
	type	not match the type specified in the workflow, this error will be thrown	
102	Unexpected param <key_name> passed as input	This error is thrown when the SDK receives an input that is not defined in the inputsRequired object of the workflow.	Workflow Input Error
103	Workflow cancelled by user	User cancelled the journey by clicking on the close button in the screen.	User Cancelled Error
103	Internet is down	Workflow ended because of no internet	User Cancelled Error
103	Domain is not CORS whitelisted	Workflow ended because of CORS	User Cancelled Error
103	Network error occured	Workflow ended because of network issues	User Cancelled Error
104	Invalid previous step	This error is thrown if a module has a previous step configured, but that step was not executed by the SDK	Workflow Error
104	Could not start recording	Issue in starting video recording in the specified device or browser	Workflow Error
106	Following Permissions not granted by user: Camera	User denied camera permission	Camera Permissions Denied
107	Camera could not be initialised properly. Please try again.	An issue occurred while initializing or accessing the camera on the device or browser	Hardware Error
107	Media recorder not present	Issue in initializing or accessing the Media Recoder API on the device or browser	Hardware Error
107	Error generating recording	Issue in saving the recording generated using Media Recoder API	Hardware Error
111 or 4xx-5xx	<error message depending on the scenario>	Error thrown by an API	Network error
112	Unauthorised Request	This error occurs due to a request/response signature validation failure, which may indicate a potential man-in-the-middle (MITM) attack. Please consult the Hyperverge team before proceeding with any decision related to the affected transaction.	Signature Failed Error

Error code	Error message	Description	Summary
126	User Denied Privacy Consent	The user denied consent for BIPA compliance to capture their face.This consent screen is shown only for clients with a user base in the USA	Privacy Consent Denied Error
151	Session Validation Failed or <error message depending on the scenario>	Indicates a validation issue while checking for a parallel ongoing session with the same transaction ID. This feature is supported only when the Cross-Platform Resume feature is enabled.	SESSION CONFLICT