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GST API GATEWAY

TECHNICAL SPECIFICATION

Version 1.17 (17-Nov-2021)
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1. Introduction

This document contains technical specification that provides the information necessary for software developers/engineers who intend to integrate ScoreMe APIs in any software application that would like to consume the API Gateway services.

This document describes the APIs exposed by ScoreMe Gateway and contains API endpoints with sample request data payload and sample response of API.

1.1 Pre-requisites

The REST APIs mentioned in this document use JSON notation for data exchange over HTTP.

Knowledge in above mentioned technical area is required before proceeding to rest of the document.

2. Resources & Formats

User of API services should have access to the system before proceeding to the rest of the document. Please contact your system administrator for getting user access.

2.1 URLs

API services use the following URL and associated parameters:

Table 1- URLs

Environment/ Module	Parameter	Value
Production	{BASE_URL}	https://sm-gst.scoreme.in/
Sandbox	{BASE_URL}	https://sm-gst-sandbox.scoreme.in/

2.2 Response JSON Format

All ScoreMe APIs return data as per following JSON object format.

```
{
  "data": { "<key1>": "<value1>",
  .....
  .....
  "<keyN>": "<valueN>"
},
  "responseMessage": "<response message>",
  "responseCode": "<response code>"
}
```

Table 2- JSON Format for APIs

Parameter	Description
Data	JSON string of the data retrieved against an API.
resp_code	Returned response code from server.
resp_msg	Returned message string.

2.3 Date Time Format

Date/Time: All date times have to be passed in IST time zone in format "YYYY-MM-DD HH:MM:SS"

For example:

2021 August 18 11:34:56 PM = 2020-08-18 23:34:56

2021 August 20th 3:29:10 AM = 2021-Aug-20 03:29:10

Authentication & Authorization

Authentication: User Identity

User access is provided to bank/institution authorized personnel only. Please contact your administrator to get your access created in the system. Your email id would be your username for using API services.

Authorization: User Privileges

Please contact your administrator to get your access enabled for usage of API services.

Essential Header Parameters

All APIs take below information in the header part of http request.

Key	Value
ClientId	"<client id>"
ClientSecret	"<client Secret>"
Sample ClientId	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Sample ClientSecret	XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX

Note:

The values for clientId and clientSecret would be different for production and sandbox environments. Please contact your administrator to get correct values for clientId and clientSecret for the environment you are using.

API Gateway Services

The following sub-sections provide detailed, step-by-step instructions on how to use the various APIs provided by Gateway.

2.4 GSTIN List By PAN (Sync)

Name	Description
Title	GST Basic Details API
URL	{BASE_URL}/gst/external/search/gstinListByPan
Objective	To Find the list Of GSTIN By PAN
Headers	clientId and clientSecret
Method	POST
URL Parameters	None
Data Parameters	{ "pan": "AADCR2224H" }
Sample Request Payload	{ "pan": "AADCR2224H" }
Sample Response Payload	{ "data": { "gstinList": ["19AADCR2224H1ZJ", "07AADCR2224H1ZO", "27AADCR2224H1ZM", "08AADCR2224H1ZM", "29AADCR2224H1ZI", "06AADCR2224H1ZQ"], "referenceId": "5c3dcb7e-3e9e-47f5-8bba-67d52f654f8c" }, "responseMessage": "Successfully Completed.", "responseCode": "SRC001" }

Error Response	<p>a) No Input data:</p> <pre>{ "data": null, "responseMessage": "Blank Input Field.", "responseCode": "EBF017" }</pre> <p>b) Wrong key or invalid key:</p> <pre>{ "data": null, "responseMessage": "Payload is Incorrect.", "responseCode": "EPI022" }</pre> <p>c) If pan no does not exist or pan does not contain any data:</p> <pre>{ "data": null, "responseMessage": "No Information Found", "responseCode": "ENI004" }</pre> <p>d) User gave invalid data or PAN format does not satisfy the condition:</p> <pre>{ "data": null, "responseMessage": "Incorrect Input.", "responseCode": "EIP018" }</pre>
-----------------------	---

2.5 GSTIN Details by PAN(Async)

Name	Description
Title	GSTIN Details by PAN
URL	{BASE_URL}/gst/external/search/gstindetailsbypan
Objective	To Get GSTIN Details by PAN
Headers	clientId and clientSecret
Method	POST
URL Parameters	None
Data Parameters	<pre>{ "pan":"" }</pre>
SampleRequest Payload	<pre>{ "pan":"" }</pre>

Sample Response Payload	<pre>{ "data": { "referenceId": "1901582b-959b-49b7-9ee5-cb1e2db4afaf" }, "responseMessage": "Successfully Submitted.", "responseCode": "SRS016" }</pre>
Error Response	<p>a) Incorrect Input</p> <pre>{ "data": { "responseMessage": "Incorrect Input.", "responseCode": "EIP018" } }</pre> <p>a) Blank Input Field</p> <pre>{ "data": null, "responseMessage": "Blank Input Field.", "responseCode": "EBF017" }</pre> <p>b) Payload is Incorrect.</p> <pre>{ "data": null, "responseMessage": "Payload is Incorrect.", "responseCode": "EPI022" }</pre> <p>c) Payload is Incorrect.</p> <pre>{ "data": null, "responseMessage": "Payload is Incorrect.", "responseCode": "EPI022" }</pre> <p>d) GSTIN not exist against the PAN</p> <pre>{ "data": { "referenceId": "6fd037b3-1747-4bff-9580-945a2cdce72b" }, "responseMessage": "No Information Found", "responseCode": "EGN014" }</pre>

2.6 GET GSTIN Details by PAN(Async)

Get GSTR Report	
Name	Description
Title	Get GSTR Report
URL	{BASE_URL}/gst/external/gst/external/getgstreport
Objective	To Get GST Analysis Report
Headers	Content-Type: application/json; clientId and clientSecret
Method	GET
URL Parameters	referenceId
Data Parameters	None
Sample Request Payload	referenceId=b91493f5-d76f-4705-a855-b68dee9c1eea
Sample Response Payload	<pre>{ "data": { "jsonUrl": "https://sm-gst-sandbox.scoreme.in/gst/external/reportdownload?file=Reports/1901582b-959b-49b7-9ee5-cb1e2db4afaf_GstReport.json", "excelUrl": "https://sm-gst-sandbox.scoreme.in/gst/external/reportdownload?file=Reports/1901582b-959b-49b7-9ee5-cb1e2db4afaf_GstReport.xlsx", "referenceId": "1901582b-959b-49b7-9ee5-cb1e2db4afaf" }, "responseMessage": "Successfully Completed.", "responseCode": "SRC001" }</pre>

Error Responses	<p>a. <u>In case, the request is in process</u></p> <pre>{ "data": { "responseCode": "RNP020", "responseMessage": "Request may be in process. Please wait for some time." } }</pre> <p>b. <u>In case, there is no data available in any GSTIN</u></p> <pre>{ "data": { "responseCode": "END013", "responseMessage": "No Data Available" } }</pre> <p>c. <u>In case, the username or password is incorrect</u></p>
	<pre>{ "data": { "responseCode": "EWC002", "responseMessage": "Incorrect UserName Or Password." } }</pre> <p>d. <u>In case, there is any technical issue or request cannot be processed</u></p> <pre>{ "data": { "responseCode": "EUP007", "responseMessage": "Unable To Process. Please Reach Out To Support." } }</pre>

2.7 Validations for Payload

This section details the validations for each GST API that have been put in the system for the payload.

2.8 GSTIN Basic Details

a. GST Number

- GST number is a unique 15-character alphanumeric code wherein first two characters are states, next 10 character is user PAN number & last 3 characters is alpha numeric.
- No special characters allowed.
- It is case sensitive.

3. Webhooks

Webhooks are used to get the data/response automatically once it gets generated at the server. For this we would need an open URL of your application, for which our system will initiate the call to push message that POST request is complete.

System will make a POST request with following headers:

Key	Value
Content- Type	application/json
Access- Type	application/json
Sample Response	<pre>{ "data": { "gstInList": ["19AADCR2224H1ZJ", "07AADCR2224H1ZO", "27AADCR2224H1ZM", "08AADCR2224H1ZM", "29AADCR2224H1ZI", "06AADCR2224H1ZQ"], "referenceId": "5c3dcb7e-3e9e-47f5-8bba-67d52f654f8c" }, "responseMessage": "Successfully Completed.", "responseCode": "SRC001" }</pre>

4. Troubleshooting & Support

4.1 Error Codes

The error messages are returned by the respective APIs. In case there are any system related errors like crash or network issues, then please refer to HTTP errors at <https://www.w3.org/Protocols/HTTP/HTRESP.html>. Still if the error persists then take a screen shot and note down the sequence of steps taken just before the error occurred and share the same with the helpdesk/support team.

4.2 Special Considerations

In case of any system or application failure, please do not try to fix the problem by yourself. Please do not delete any data from the system and reach out to support team immediately.

4.3 Support

Table 3 – Support Points of Contact

Contact	Organization	Email
Support Team	ScoreMe Solutions Private Limited	support@scoreme.in

Appendix A: Record of Changes

Table 4 – Record of Changes

V. No.	Date	Author/Owner	Description of Change
1.0	01-Apr-2019	Bhawani Nandan Prasad	Initial Draft
1.1	03-Jul-2019	Bhawani Nandan Prasad	Final document
1.2	16-Jul-2019	Bhawani Nandan Prasad	Added 2 GST APIs getGSTReportjson and getRefldGSTDetails
1.3	27-Nov-2019	Neha Bramhvanshi	Updated all the API payload parameters and URLs
1.4	28-Feb-2020	Diwakar Mishra	Updated all the API payload parameters and Response
1.5	06-Aug-2020	Daisy	API Update
1.6	26-Oct-2020	Daisy	API Update
1.7	29-Dec-2020	Daisy	API Update
1.8	30-Dec-2020	Daisy	API Update
1.9	05-Jan-2021	Daisy	Error Code Update in Generate OTP and Authenticate OTP APIs
1.10	08-Jan-2021	Daisy	Error Code Update in Generate OTP and Authenticate OTP APIs
1.11	12-Jan-2021	Daisy	URL Update
1.12	25-Feb-2021	Daisy	API Document Update
1.13	01-06-2021	Karan	Error codes Updated
1.14	12-10-2021	Payal	API Update
1.15	13-10-2021	Payal	API Update
1.16	16-10-2021	Payal	API Update
1.17	17-11-2021	Payal	API Update

Appendix B: Acronyms

Table 5 – Acronyms

Acronym	Literal Translation
API	Application Program Interface
URL	Uniform Resource Locator
PAN	Permanent Account Number
REST	Representational State Transfer
HTTP	Hypertext Transfer Protocol
JSON	JavaScript Object Notation

Appendix C: Approvals

The undersigned acknowledge that they have reviewed the document and agree with the information presented within this document. Changes to this document will be coordinated with, and approved by, the undersigned, or their designated representatives.

Table 6 - Approvals

Document Approved By	Date Approved
Name: Ayush Jindal, Chief Executive Officer, ScoreMe Solutions Private Limited	17-Nov-2021
Name: Shashank Sharma, Director, ScoreMe Solutions Private Limited	17-Nov-2021