KARVY DATA MANAGEMENT SERVICES LIMITED

2017

GSP APIs

**Window to your actual product**

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# **OVERVIEW**

All Taxpayer related functionalities (Registration, Filing of Returns, Information on Payment, Viewing of ledgers etc.) will be available as G2B (Government to Business) APIs. This document describes standards and formats used in these APIs. The content in this section should help application developers in understanding general API format standard and in turn help in consumption of these APIs in their application. All G2B APIs will be RESTFul services.

# **PROCEDURE FOR ASPs**

* **ASPs need to follow the procedure of GSTN Rules to call the APIs.**

**APIs Calling Procedure**

<http://developer.gstsystem.co.in/apiportal/taxpayer>

* **GSP APIs**

[http://gsp.karvygst.com/v0.3/](http://gsp.karvygst.com/v0.3)

* **ASP Should Download Public Key From GSTN**

<https://groups.google.com/group/gst-suvidha-provider-gsp-discussion-group/attach/500289e9c2a1f/GSTN%20Public%20Key.zip?part=0.1.0.1&authuser=0>

* **ASP Should Register For GSTN Sandbox Access Through GSP.**

# **AUTHENTICATION**

The objective of the Authentication APIs is to establish a secure authenticated session for all subsequent interactions with the GST System.

Establishing a secure authenticated session has four distinct elements:

1. Authenticating the GSP

2. Authenticating the Tax Payer and issuing an authorization token used in subsequent calls

3. Establishing an Encryption Key for encrypting all subsequent requests

4. Establishing an Encryption Key for encrypting all subsequent response

#### **ATTRIBUTE DEFINITION**

|  |  |
| --- | --- |
| ATTRIBUTES | DESCRIPTION |
| clientid | Client Identification for authentication. This is the identifier generated in API developer portal and mapped to an application. This is also called API Key and API usage is monitored at API key level. |
| client-secret | Secret code for the API client. This API password is generated in API developer portal. Along with clientid, client-secret needs to be included in each request to access GST API. API consumer can regenerate client-secret through API Developer Portal. |
| state-cd | State code to which the Tax Payer belongs. |
| ip-usr | Public IP Address of end user who requested access to data will be passed by GSP application or application accessing Taxpayer services. Access System will capture IP Address of calling application. |
| txn | Unique Transaction ID associated with the request. |
| app\_key | 32 character random unique id generated by GSP identifying unique user session. E.g.: 9b0d686d-f4e3-4b49-a347-22440b8f  app\_key will be encrypted using Public key of GST. |
| username | User name of tax payer or tax consultant registered with GSTN. |
| otp | OTP is 6 digit unique number. E.g. 102030  OTP will be encrypted using AES 256 (AES/ECB/PKCS5Padding) using app\_key as key. |
| auth\_token | Authorization token is a universally unique identifier (UUID). |
| karvyclientid | Clientid provided to ASP by Karvy. |
| karvyclient-secret | Client-secret provided to ASP by Karvy. |

The aforementioned list of headers should be passed in every API call.

## **API LIST**

### **REQUEST OTP**

Tax payer and tax consultant using GSP application will be authenticated asynchronously using OTP. OTP Request API is used by the GSP to initiate the issue of OTP to tax payer.After the successful verification of request parameters, GST system sends the OTP to the taxpayer’s primary business credentials through Email and SMS.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/Authenticate |
| HTTP METHOD | POST |
| CONTENT TYPE | application/json |
| ENCRYPTION | YES |
| API ACTION | REQUESTOTP |

curl --request POST \

--url http://gsp.karvygst.com/v0.3/Authenticate \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'state-cd: 33' \

--header 'txn: TXN789123456789' \

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

--data '{

"username" : "<ASP USERNAME>",

"action" : "OTPREQUEST",

"app\_key" : "ViPkXKzedJ0dA56fkGvHfTFsGACjIfL7mxJfTSVw0tWqLfy1ib3HiqoM1eWykvmHXRDkEqwg0/qPG7H3EmRRPWVjDCA6j2uSVl7KhOACZeLHOABwui+aPGm/OfRSvUFCOs+6Lq/VV8gYKTyHba9scfaCsWMjgieTQ5Vg1JrEJxS8velO16owkhsGXp7usj/G0VIjPxgo6BRO+KAxhfczf9vwSTU8EnoxY/nDDl0yfaC9WfBd0fyWKfsSkrwjYhgixBg4Ab3b9bY29zWZ3mM25WHkmm92XN9IR3yxDF+JT/vTICv5xN+YIXYvCeuBha8EPZFjFY6KJXx21S6k8JU4eA=="

}'

### **REQUEST AUTHORIZATION TOKEN**

This API is invoked by the GSP application to issue authentication token by verifying username and OTP combination.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/Authenticate |
| HTTP METHOD | POST |
| CONTENT TYPE | application/json |
| ENCRYPTION | YES |
| API ACTION | AUTHTOKEN |

curl --request POST \

--url http://gsp.karvygst.com/v0.3/Authenticate\

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

--data '{

"action" : "AUTHTOKEN",

"username" : "<ASP USERNAME>",

"app\_key" : "BESPAqESTp1TOPDeNg1Kb8ASfmOgdeBO1ZMmE0yErewxCmjZoskl2ghqnfUf+8KiXudC/ao5YcQqsi1x16ZVbYmfchfhk2rQucoPOgB4ckL8Cl01fiJvbG9F8i5ZIVXh7cNje1xrnlTaZm2MAxr+kcQ/oyTxrRl2x4F/o7dd3Tj+csQI7imflNmbo63OQtCd6bXT1WWOvEJ2nR6kMxPD5Lb7v95PgFRxGMf3IPtwcWFOf1sy5wYJkczaUwUNuGX2w4otuz7etGMsvWpnei++yecaZLTWRfCd+Gm5YqiK8cyBYm86vLHYo4E3oueqMNtwMlDJUhJpF8C4bXLcddnp3Q==",

"otp" : "SyK3JqgO8VMJF3Px0WvmIA=="

}'

# **RETURNS API**

Returns APIs enable Tax Payer to interact with the GST System for the purpose of uploading returns data for various return forms, download and view uploaded data and finally submit the return form.

**Reference URL for API Request Payload formats:** <http://developer.gstsystem.co.in/apiportal/taxpayer/returns/apilist>

## **API LIST**

### **GSTR1 - SAVE GSTR1 DATA**

This API is used to save entire GSTR1 invoices.

The first task in the Return filing process is to upload data to each section of GSTR1 form. This task is accomplished using the ‘Save’ API for the corresponding form. The design of the Save API allows the developer to submit data for all the sections of the form in a single JSON format. For example, in the case of GSTR1, the Save API will accept a single JSON which supports a data structure for all the sections like B2B invoices, B2C invoices, B2C summary, Exports, Credit/Debit Notes etc.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | PUT |
| CONTENT TYPE | application/json |
| ENCRYPTION | YES |
| API ACTION | RETSAVE |

curl --request POST \

--url http://gsp.karvygst.com/v0.3/returns/gstr1\

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>' \

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

--data '{

"action" : "RETSAVE",

"data" : "",

"hmac" : "zDRqTi58xAIyWZEynWLfcOaHy37TesY1KJoaRFoyxPY="

}'

#### **URL PARAMETER DEFINITION**

The definition of URL parameters used in the subsequent sections:

|  |  |  |  |
| --- | --- | --- | --- |
| ATTRIBUTE | DESCRIPTION | SPECIFICATION | SAMPLE |
| gstin\* | GSTIN of the Tax Payer | Alphanumeric with 15 characters | 07CQZCD1111I4Z7 |
| ret\_prd\* | Return Period | MMYYYY | 052016 |
| action\_required | Status filter for filtering the invoices. Action\_required = Y, fetches the invoices where tax payer need to take action (Accept/Reject). Already accepted or uploaded invoices can be fetched by using action\_required=N filter. | Character(Y/N) | Y |
| statecode | Recipient State Code | String(Max length:2) | 12 |
| ctin | Counter party GSTIN | Alphanumeric with 15 characters | 20GRRHF2562D3A3 |
| from\_time | from which time taxpayer wants Invoices | String (dd-mm-yyyy) 10 Characters | 04-02-2017 |
| action\* | API method | Alphanumeric | B2B |
| ref\_id\* | Reference id | Alphanumeric with 15 characters | AD2235345345123 |

\* indicates mandatory.

### **GSTR1 - GET B2B INVOICES**

API call for getting all B2B invoices for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | action\_required='Y/N',gstin={},ret\_period={},ctin={},from\_time={}, action=B2B |
| ENCRYPTION | YES |
| API ACTION | B2B |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=B2B&gstin=33GSPTN0051G1ZK&ret\_period=022017&action\_required=&ctin=&from\_time=' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET B2CL INVOICES**

API call for getting all B2C Large invoices for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | statecode={}, gstin={}, ret\_period={}, action=B2CL |
| ENCRYPTION | YES |
| API ACTION | B2CL |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=B2CL&gstin=33GSPTN0051G1ZK&ret\_period=022017&state\_cd=33' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET B2CS INVOICES**

This API will be used for getting all B2C HSN data for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=B2CS |
| ENCRYPTION | YES |
| API ACTION | B2CS |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=B2CS&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET CDNR INVOICES**

This API will call CDN for getting all Credit/Debit notes for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | action\_required='Y/N', gstin={}, ret\_period={},from\_time={}, action=CDNR |
| ENCRYPTION | YES |
| API ACTION | CDNR |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=CDNR&gstin=33GSPTN0051G1ZK&ret\_period=022017&action\_required=&from\_time=' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET NIL RATED SUPPLIES**

API call NIL for getting liabilities such as ‘Nil Rated’, ‘Exempted’, and ‘Non GST’ supplies for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=NIL |
| ENCRYPTION | YES |
| API ACTION | NIL |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=NIL&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET EXP**

API call for getting invoices related to supplies exported for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=EXP |
| ENCRYPTION | YES |
| API ACTION | EXP |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=EXP&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET AT**

API call for getting advance tax details for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=AT |
| ENCRYPTION | YES |
| API ACTION | AT |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=AT&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET TXP**

API call for getting tax paid details for a return period.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=TXP |
| ENCRYPTION | YES |
| API ACTION | TXP |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=TXP&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1–GET CDNUR INVOICES**

This API will call CDNUR for getting all Credit/Debit notes for Unregistered Users.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=CDNUR |
| ENCRYPTION | YES |
| API ACTION | CDNUR |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=CDNUR&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header '<ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET GSTR1 SUMMARY**

This API is to get the table wise summary of GSTR1 data.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=RETSUM |
| ENCRYPTION | YES |
| API ACTION | RETSUM |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=RETSUM&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - GET HSN SUMMARY DETAILS**

API call for getting HSN Summary details.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={}, action=HSNSUMSUM |
| ENCRYPTION | YES |
| API ACTION | HSNSUM |

curl --request GET \

--url 'http://gsp.karvygst.com/v0.3/returns/gstr1?action=HSNSUM&gstin=33GSPTN0051G1ZK&ret\_period=022017' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

### **GSTR1 - FILE GSTR1**

This API is to file the GSTR1 return.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | POST |
| CONTENT TYPE | application/json |
| ENCRYPTION | YES |
| API ACTION | RETFILE |

curl --request POST \

--url http://gsp.karvygst.com/v0.3/returns/gstr1 \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>' \

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

--data '{

"action" : "RETFILE",

"data" : "",

"sign" : "",

"st": "",

"sid" : ""

### **GSTR1 - SUBMIT GSTR1**

This API is to submit all the saved invoices.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr1 |
| HTTP METHOD | POST |
| CONTENT TYPE | application/json |
| ENCRYPTION | YES |
| API ACTION | RETSUBMIT |

curl --request POST \

--url http://gsp.karvygst.com/v0.3/returns/gstr1\

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP PUBLIC IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>' \

--header 'karvyclient-secret: <CLIENT SECRET PROVIDED BY KARVY>' \

--header 'karvyclientid: <CLIENT ID PROVIDED BY KARVY>' \

--data '{

"action" : "RETSUBMIT",

"data" : ""

}'

### **ALL - RETURN STATUS**

This API is to get the status of the Returns submitted.

|  |  |
| --- | --- |
| API URL | http://gsp.karvygst.com/v0.3/returns/gstr |
| HTTP METHOD | GET |
| CONTENT TYPE | application/json |
| URL PARAMETERS | gstin={}, ret\_period={},ref\_id={} |
| ENCRYPTION | YES |
| API ACTION | RETSTATUS |

curl --request GET \

--url 'http://gsp.karvygst.com/GSTR/RETSTATUS?gstin=33GSPTN0051G1ZK&ret\_period=022017&ref\_id=ad2235345345123' \

--header 'accept: application/json' \

--header 'auth-token: <ASP AUTHORIZATION TOKEN>' \

--header 'client-secret: <ASP CLIENT SECRET>' \

--header 'clientid: <ASP CLIENT ID>' \

--header 'content-type: application/json' \

--header 'gstin: 33GSPTN0051G1ZK' \

--header 'ip-usr: <ASP IP ADDRESS>' \

--header 'ret\_prd: 022017' \

--header 'state-cd: 33' \

--header 'txn: TXN7891234565' \

--header 'username: <ASP USERNAME>'

### **ERROR CODES**

|  |  |
| --- | --- |
| Error Code | Error Description |
| RET11400 | API Header Value Missing |
| RET11401 | API Authentication Failed |
| RET11402 | API Authorization Failed |
| RET11403 | Invalid API Request |
| RET11404 | Invalid API Header value |
| RET11405 | Invalid API Request Parameters |
| RET11406 | Malformed API Request |
| RET12501 | System Failure |
| RET12502 | System Failure |
| RET12503 | System Failure |
| RET12504 | System Failure |
| RET12505 | Corrupted API Payload Data |
| RET13500 | Invalid Return Type |
| RET13501 | Invalid API Payload |
| RET13502 | System Failure |
| RET13503 | Communication Failure |
| RET13504 | System Failure |
| RET13505 | System Failure |
| RET13506 | Invalid DSC Signature |
| RET13507 | Mismatch of signed data & payload |
| RET13508 | No Details Found for the Provided Inputs |
| RET13509 | No Invoices found for the provided Inputs |
| RET13510 | No Record found for the provided Inputs |
| RET13511 | Date format entered is Invalid |