THINK TRADE FINANCE, THINK VAYANA

Vayana GSP – End to End GST Compliance

VAYANA NETWORK
Connecting Enterprises

Enriched API FAQs **V2**

Leaders in Supply Chain Finance (SCF), Globally

Vayana in Sanskrit means "to weave." Vayana weaves stronger trade relationships between businesses and their supply chain partners

35000+ Cr
Financed

Who we are ?

We are the leading **trade finance partner of Choice** for businesses and financiers in **India and internationally.**
India's largest 3rd Party Trade Finance Network

20+
Lenders

What we do?

We ease frictions in **trade financing** by **digitizing trade** with **tailor-made SCF programs** that is accessible to every business

25+
Industries

How we do it?

We **leverage data and analytics** to score every trade relationship to digitize and **empower SCF coverage till the last mile.**

2 Mn+
Invoices

25+
Countries

Backed by Marquee Investors

Best Credit Innovation
INNOVATION PROJECT 2015
PYMNTS.com
VAYANA

ASSET ASIAN AWARDS
THE Asset
TRIPLE A

SME FINANCE FORUM
IFC International Finance Corporation
Global SME Finance Awards 2018

chiratae VENTURES
jungle ventures
Reliance Industries Limited

Awarded the Best Supply Chain Solution
At the Asset AAA award 2019, at Hong Kong

Vayana GSP – A Plug and Play API gateway for every SMB & Enterprise Application

We are India's largest GSTN Authorized GSP offering GST, E-Way Bill, & E-Invoicing Pass-through API services (Vayana PAS), Enriched API Service (Vayana EAS) and Desktop Solution for E-invoice compliance of SMBs

Licensed gateway providing access to GSTN and NIC using APIs for GST, E-invoicing, and E-Way Bill compliances

⌄

Autoscaling, Auto Failover architecture ensuring zero unscheduled downtime

⌄

With encrypted transmission, Vayana GSP is ISO 27001:2013 and PCI-DSS certified

Benefits

Zero Scheduled or Unscheduled Downtime from past 3 years

Secure Network, Encrypted data transmission

Scalable Systems AWS India (Geographical Redundancy)

Quick and Easy Integration with ERPs and ASPs

SAP Certified GSP Preferred by >75% of SAP Corporates

1 Bn+
API Calls

1
out of 5 E-invoices processed

100+
ASPs

1000+
Corporates

Vayana Enriched API Service :- Your Faceless ASP for GSTR Downloads & E-invoicing

Advantages of using Vayana Enriched API Service :- (Use cases :- GST Return Filing, GST Return Downloads, GSTIN Verification, GST Compliance Score, E-way bill generation, E-invoice generation and details etc for GST Data based lending
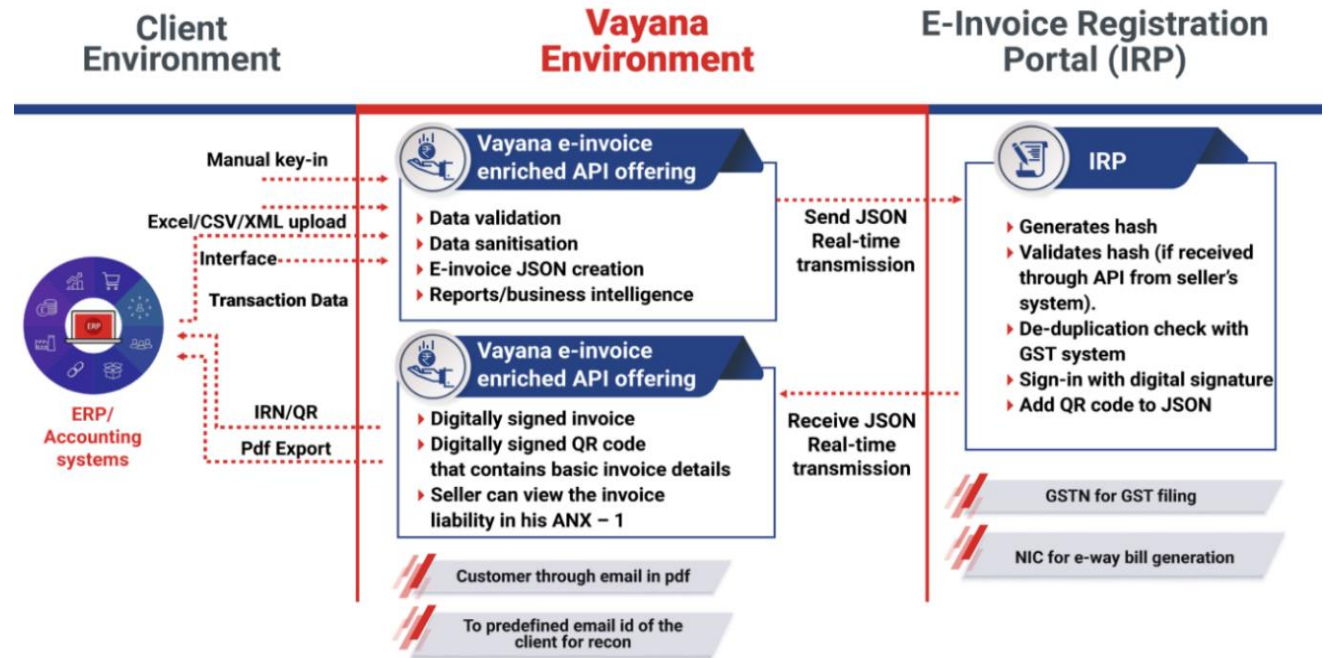
Data encryption and other complex security protocols as per GSTN/NIC's norms are handled by us

⌄

Complex GST Validations are undertaken by us to process high volumes without any API Size limit.

⌄

Insulation from change management effort arising from changing API formats.
Custom Data input and Output formats available

Client Environment | Vayana Environment | E-Invoice Registration Portal (IRP)

- Manual key-in
- Excel/CSV/XML upload
- Interface
- Transaction Data

Vayana e-invoice enriched API offering
- Data validation
- Data sanitisation
- E-invoice JSON creation
- Reports/business intelligence

Send JSON Real-time transmission

IRP
- Generates hash
- Validates hash (if received through API from seller's system).
- De-duplication check with GST system
- Sign-in with digital signature
- Add QR code to JSON

ERP/ Accounting systems

- IRN/QR
- Pdf Export

Vayana e-invoice enriched API offering
- Digitally signed invoice
- Digitally signed QR code that contains basic invoice details
- Seller can view the invoice liability in his ANX – 1

Receive JSON Real-time transmission

GSTN for GST filing

NIC for e-way bill generation

Customer through email in pdf

To predefined email id of the client for recon

Enriched API FAQs

Connectivity:

➢ How can we check if we are able to connect with Vayana services?

✓ If you are facing issue while working with any of E-Invoice/E-Way Bill APIs, please check if you are able to ping Vayana APIs.

- Theodore Health API-Sandbox: https://sandbox.services.vayananet.com/theodore/apis/health

- Theodore Health API-Production: https://services.vayana.com/theodore/apis/health

- Vayana EAS Ping-Sandbox: https://solo.enriched-api.vayana.com/ping

- Vayana EAS Ping-Production: https://live.enriched-api.vayana.com/ping

Details for these APIs are available at:

https://docs.enriched-api.vayana.com/routes/ping/ (Vayana EAS APIs)

https://docs-auth.vayananet.com/#/default/get_health (Theodore APIs)

If a you face issue connecting to Vayana service, mostly it is because you haven't established connectivity and need to whitelist our domain. Before moving on to steps like confirming the certificate and your authentication, we can check and confirm whether you can connect to us. **Vayana does not blacklist any IP** so if you are not able to connect to us, we can conclude that there is some issue at your end and troubleshoot as mentioned further.

<u>Troubleshoot using Telnet Command:</u>

Prerequisites from client side:

For windows or windows server, you will have to enable the telnet feature. You can refer this article or video links for guidance.

https://www.ionos.com/digitalguide/server/tools/telnet-the-system-wideremote-protocol/

https://www.youtube.com/watch?v=6Z1hGTIXvTs

https://www.rootusers.com/how-to-enable-telnet-client-in-windows-server2019/

For Linux/MAC: telnet is enabled by default

Instructions:

`telnet <domain> 443`

Domain can be either be `solo.enriched-api.vayana.com` or `live.enriched-api.vayana.com` based on environment client is trying to connect.

post this you should be able to receive following result

```
Trying <ip address>...
Connected to <domain alb address>.
```

The `connected to` section is important , which means that you are able to connect to Vayana domain.

Type `quit` to exit the session.

Note: The `ip address` can be any ip from the AWS ip pool. You should not try to whitelist it and whitelist the domain instead.

<u>Issues</u>:

If there is any issue with in connecting to Vayana domain, you will be stuck in the `Trying <ip address>` part.

If you get this error on windows `'telnet' is not recognized as an internal or external command, operable program or batch file`. that means you haven't yet enabled telnet. Please follow Prerequisites section

Onboarding:

➢ Do we need to onboard all our clients on VOV portal?

✓ If you are already registered as an ASP then you don't need to register again on VOV but if you are a Corporate then you will have to register separately for each PAN. The ASP to whom Vayana will be billing to will only be required to onboard at VOV portal once in sandbox as well as in production.

Sandbox VOV portal link: https://sandbox.vov.vayananet.com/

Production VOV portal link: https://vov.vayana.com/

➢ Can we create multiple users for our onboarded organisation?

✓ Yes, you can associate multiple users with your organisation.

Onboarding:

- ➢ Do we need to create any account for our clients in our system that will use this E-invoice/E-Way Bill process?
- ✓ No. You do not need to create any account for your clients. The minimum details you will be required to maintain will the GSTIN, username and password generated for API integration registration.

Theodore Token/User Token:

➢ How many tokens can be generated at a time? Is there any limitations?

✓ A maximum of 10 token can be generated at a time which means there can be 10 active session. If one goes on generating the 11th token, it will give an error message and not allow to do so. Here the user then needs to wait for the very first token to get expired.

Theodore Token/User Token:

➢ For how much duration the validity of the token gets extended to when called for Refresh token of Theodore API?

✓ Refresh Token API takes a current valid token and returns a new token. Expiry of old token remains unchanged. The newer token will have the expiry time of whatever was set in "*tokenDurationInMins*" (or by default 20mins).

Theodore Token/User Token:

➢ We have already exceeded the token generation limit. Can Vayana Team reset the count so that we can proceed further?

✓ There cannot be any manual intervention for resetting the token limit. However, if you are stuck in such situation, you can add new user and proceed by generating token with the newly associated user with the Organization by using it's credentials. Please make sure to manage the token generation and maintain the session as per the validity and limit of token at your end.

Theodore Token/User Token:

➤ Our token does not last for 6hrs. How do we manage the token regeneration before it's expiry?

✓ The Theodore **/authtokens** API will return a token which will have the "*expiry*" mentioned in Epoch time. This API Returns a JWT authtoken whose validity period (in minutes) can be specified using "*tokenDurationInMins*" in the request body, which is a non-mandatory param. Default token duration, if not specified, is 20 mins. Max duration restricted to 360 mins (6 hours). So, if one specifies *tokenDurationInMins* = 370; the token will be created with expiry of 360 mins. Hard expiry of the session, once a token is issued to the user, is set to 6x of the token duration.

For ex: If token duration is of 20 mins, hard expiry will be 120 mins (2 hours). If token duration is of 360 mins, hard expiry will be 2160 mins (36 hours). After hard expiry, tokens cannot be refreshed. User will have to re-authenticate. You can refresh the token with the help of Refresh token API available at https://docs-auth.vayananet.com/. You can have a maximum of 10 active sessions for each user.

Theodore Token/User Token:

➢ If one token has been already generated and we make another API call for token generation before the expiry of earlier one, then in such case is a new token issued or same token will be shared back?

✓ A token generation API will always create a new token. There is no way to return the old token once generated.

Theodore Token/User Token:

- ➢ Is the token count as per the onboarded Org-Id or as per the user associated to the Org?
- ✓ The token limit is based on the user and not the Org-Id.

Theodore Token/User Token:

➢ We are getting Status Code ***401 – Unauthorized User*** while generating a token. How to resolve this?

✓ Please make sure that you are using the correct username and password. Also, check that the authorization type is not mentioned as 'Bearer Token'.

Vayana APIs - E-Invoice/ E-Way Bill/ GST:

➢ Do we need to call the Authentication APIs of E-Invoice and E-Way Bill?

✓ It is not mandatory to call the Authentication API as Vayana will authenticate on your behalf. This is the enrichment provided by Vayana APIs. If you wish to carry out the authentication of E-Invoice/E-Way Bill APIs you can do so.

Vayana APIs - E-Invoice/ E-Way Bill/ GST:

➢ Is there a way we as an ASP can view or check somewhere the created E-invoices at sandbox?

✓ Once you are able to register the GSTINs for API integration on E-Invoice sandbox, you will be able to view the generated E-Invoices at the portal itself, but this will be GSTIN specific.

Vayana APIs - E-Invoice/ E-Way Bill/ GST:

➢ In our software our client will need to provide us their login details from E-invoice portal (sandbox as well as production). And we push those details when we use the Vayana API. Correct?

✓ The client should share with you the username & password generated for API integration for GSP-Clayfin (not the login credentials of E-Invoice portal). You can then send these details in headers along with the JSON payload.

E-Invoice Sandbox portal: https://einv-apisandbox.nic.in/

E-Invoice Production portal: https://einvoice1.gst.gov.in/

Vayana APIs - E-Invoice/ E-Way Bill/ GST:

- ➢ How can we check auto population of E-Invoices in GSTR1 data at sandbox?
- ✓ At present there are no common credentials shared across E-Invoice and GST (i.e there is no common GSTIN used for E-Invoice and GST). Hence, this testing is not possible at Sandbox. However, you can check the auto population at Production level.

Vayana APIs - E-Invoice/ E-Way Bill/ GST:

- ➢ We are getting error message as "***err-api-not-enabled***" and not able to proceed further.
- ✓ Please make one GET API call from E-Invoice/E-Way Bill and make sure that while generating the token you are getting your Organisation details in "associatedOrgs". Inform Vayana team once this API call is done and the team will enable the API access for your Organisation for both Sandbox and Production.

Vayana APIs - E-Invoice/ E-Way Bill/ GST – Long Running Tasks:

➢ How can we call for Bulk APIs or the Long running task?

✓ Vayana EAS Enriched module provides additional enrichment in E-Invoice, E-Way Bill & GST APIs. Working of these APIs is supported by Long running tasks. The API sequence for them has been explained as below.

1st API Call

| IRN/GST API | Status API | Result API |

APIs referred at 1st API Call

- E-Invoice: Cancel E-way Bills
- E-Invoice: Cancel E-Invoice by IRN (bulk)
- GST: PAN to GSTIN lookup

| IRN/EWB API | Status API | Download API |

- E-Invoice: Generate E-way Bill by IRN (bulk)
- E-Invoice: Generate IRN Bulk
- E-Way Bill: Generate E-way Bill (bulk)
- Generate IRN With Notification

| GST API | Status API | Result API | Pages API |

- GST: Download GST Returns
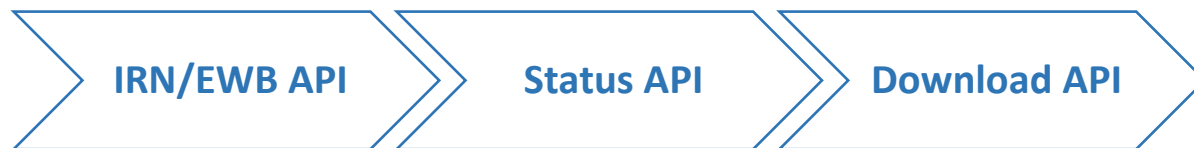
GSTIN registration for E-Invoice:

➢ We are not able to login at the E-Invoice sandbox (https://einv-apisandbox.nic.in/) portal with the GSTIN shared by you.

✓ The test GSTINs shared by Vayana Team are API specific. These cannot be used for login on E-Invoice Sandbox portal. You can have your own/your client production GSTIN registered at E-Invoice sandbox portal (steps are mentioned in this PDF file). Such registered GSTIN will be accessible on the portal as well as with the APIs. Presently, we do not have any such GSTIN which are accessible at E-Invoice sandbox portal.

GSTIN registration for E-Invoice:

➢ We are not able to get 'Clayfin' as option for GSP selection while doing self-registration for our GSTIN at E-Invoice sandbox portal.

✓ This situation will occur only if you have registered with other GSP prior to this. In such case you need to share below details with Vayana team who will be doing the registration on your behalf.

Details required:

- GSTIN
- Registered Mobile number
- Registered Email id
- Trade Name
- Contact name & number of person for OTP generation

GSTIN registration for E-Invoice:

➢ In the onboarding PDF you have shared GSTIN registration for E Invoice Sandbox. Is this for client information?

✓ Right. The GSTIN that are supposed to access E-Invoice API at sandbox needs to register at the E-Invoice sandbox portal.

GSTIN registration for E-Invoice:

➢ Will registering production GSTIN on E-Invoice sandbox for testing, affect the GSTR1 data of the GSTIN?

✓ The registration for testing will be done on sandbox portal which is altogether a different environment from production. Hence will not affect the actual GSTIN data.

GSTIN registration for E-Invoice:

➢ We are trying to register the GSTIN on E-Invoice portal but it displays message as "*3026 - E-Invoice Options are not enabled for this GSTIN -xxxxxxxxxxxx*"

✓ Please make sure that the PAN associated with this GSTIN has aggregate turnover of more than **Rs 50 Crores**. If still you get the above message, then you can manually enable the GSTIN status by visiting https://einvoice1.gst.gov.in/Home/Enablement in case of Production GSTIN. Also check the "Type" mentioned for the GSTIN. If it is SEZ then for E-Invoice the above message remains valid.

Get IN Touch

VAYANA NETWORK
Connecting Enterprises

✉ enriched-api-support@vayana.com