

**Integration to Vayana GSP
via SAP Cloud Integration Platform
for E-Way Bill Compliance**

Pre-requisites for Vayana clients from Vayana:

- Integration Flow Content package (.zip file) for setting up the Integration Flow from SAP Cloud Integration Platform to Vayana GSP
- Router Content package (.zip file) for setting up the Integration Flow from SAP Cloud Integration Platform to Vayana GSP
- Vayana GSP server certificate (Production and Sandbox)
- NIC server public key (same for Production and Sandbox environment)
- URLs of Vayana GSP (Production and Sandbox)
- RSA private and public key pair (size=2048 bit)

Setup Steps

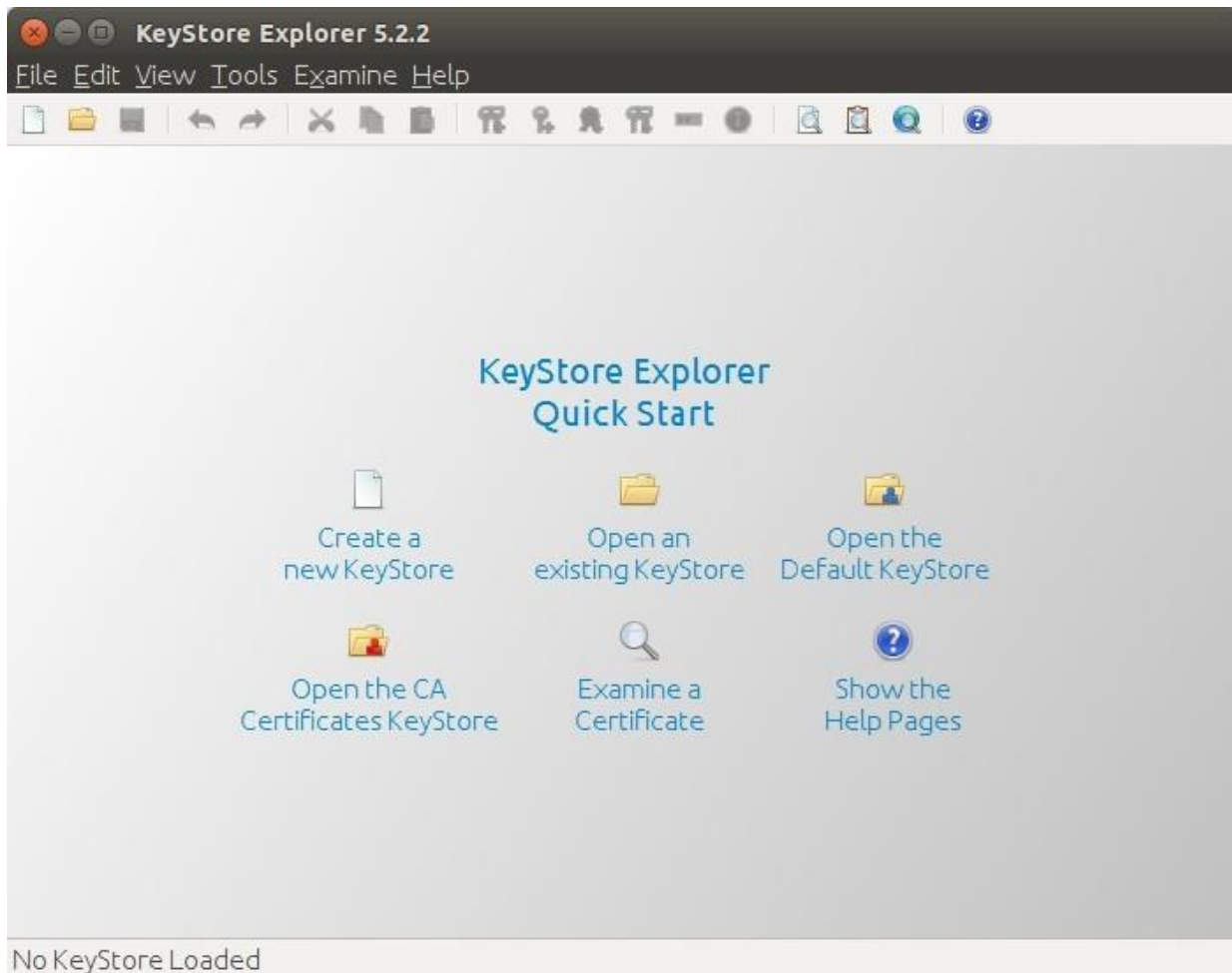
- Following documents shall be available to help you get started with setting up SAP Cloud Integration Platform for integration with Vayana GSP to enable E-way Bill Compliance:
 - Integration Flow Content package (.zip file)
 - Router Content package (.zip file)
 - SAP's Guide for GSP Setup (SAP EWB GSP Setup Document)
 - Vayana GSP Process Note (this document)
- Client ID previously issued by Vayana GSP at the time of integrating client's DCS application.
- Client to generate a RSA key pair using Java Keystore. Refer "Generate a public-private keypair" section for the detailed steps. **(Existing SAP DCS client can use the same public and private key pair which they are using for DCS application. If they wish to maintain separate key pair for DCS and EWB application integration to Vayana GSP, they need to explicitly inform Vayana GSP Support)**
- Client to submit its RSA public key to Vayana GSP Support team (gsp-support@vayana.com)
- Client uses the iFlow and Router content packages (.zip files) to setup the integration flow between SAP Cloud Integration Platform and Vayana GSP, by referring SAP's guide for GSP Setup and Vayana GSP Process Note

Generate a public-private key pair

This is required for VayanaGSP to authenticate the E-way Bill application. The private key will be used by your E-way Bill application. The public key will be used by VayanaGSP to authenticate the E-way Bill application.

SAP E-way Bill application requires the private key to be in Java Keystore format. Hence we will use an tool called "KeyStore Explorer" to generate our keypair in JKS format and then export the public key to be shared with VayanaGSP. You will require JRE to be installed for this tool to work.

- 1) Download and install Oracle JRE - <http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>
- 2) Download and install KeyStore Explorer - <http://keystore-explorer.org/downloads.html>
- 3) Start Keystore Explorer and follow the process below to generate your keypair and export the public key



Click on "CreateNewKeyStore" ,select "JKS" and save it as vayanagsp_iflow.jks"



When prompted provide a password and remember this password, since it will be required during configuration in your SAP E-way Bill application integration flow setup.

Use "Tools" menu, to "Generate a keypair" of type "RSA" and key size=2048





Generate Key Pair Certificate

Version: Version 1 Version 3

Signature Algorithm: SHA-256 with RSA

Validity Period: 1 Year(s)

Serial Number: 1501255673

Name:  

Click on the "Book" icon against the "Name" field and fill up the details

Name

Common Name (CN):

Organization Unit (OU):

Organization Name (O):

Locality Name (L):

State Name (ST):

Country (C):

Email (E):

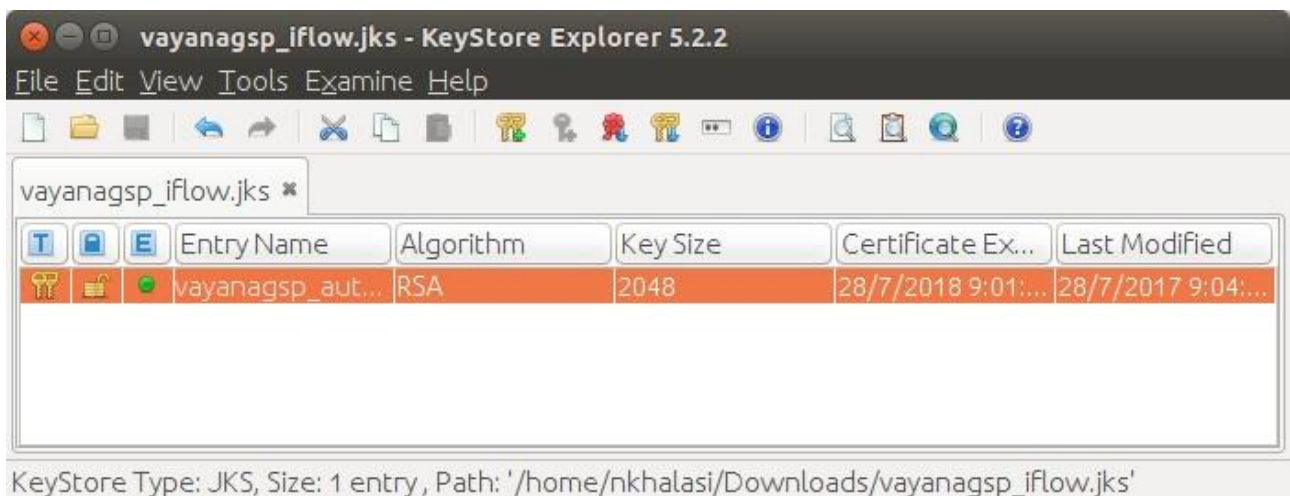
Provide an "alias" (required by Java Keystore) and note down this value, since it will be required during SAP E-way Bill application Integration flow setup.



Earlier you were prompted for a keystore password (required to open this JKS file next time). Now you will be prompted for keypair password. Note down this value as well. You can keep this password same as the password for JKS.

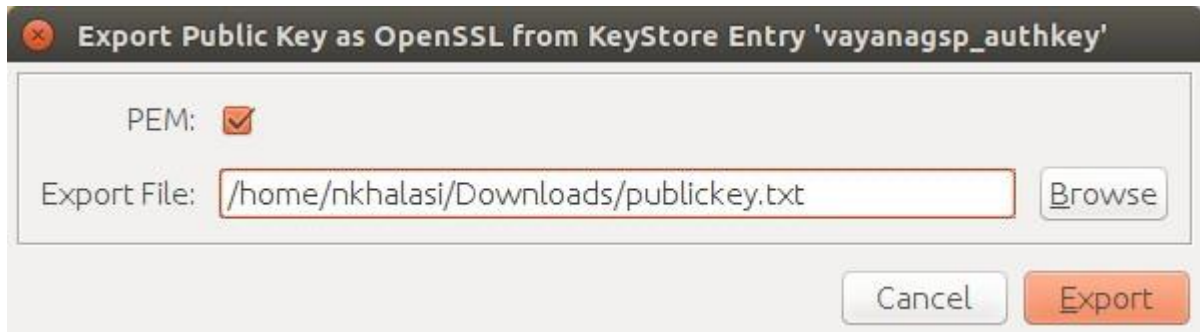


Save the keystore file



Right click on the keypair entry -> Export -> Export Public Key

Change the name to "publickey.txt"



Click on "Export" and the file will be saved in the location you selected.

Share the publickey.txt and your client ID with VayanaGSP team for enabling your access.