SAP Ariba

Seller Integration - Introduction HTTPS/cXML general details + Supplier activities

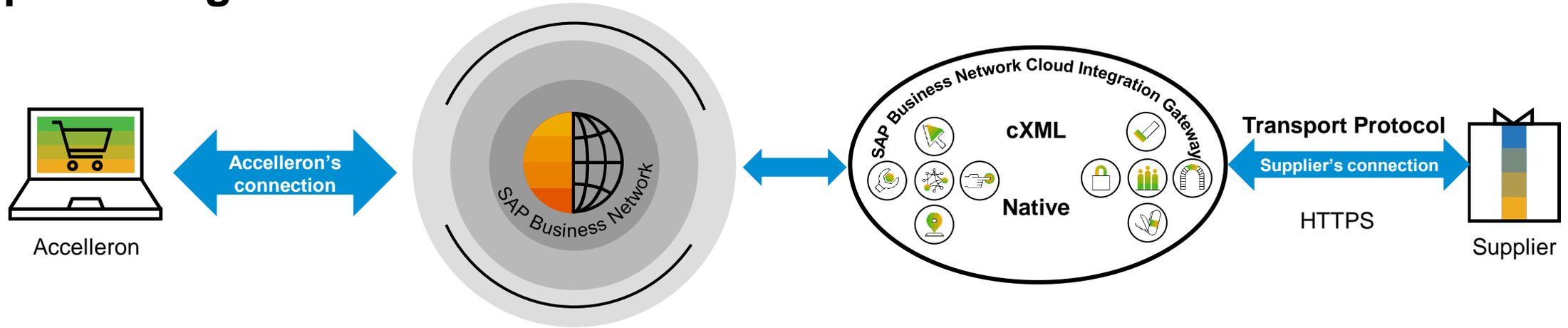SCC Seller Integration EMEA Team, SAP

November 2022

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THE BEST RUN **SAP**

Supplier CIG general considerations

- ➢ Please, note that CIG **will not "touch"** the Supplier's internal back-end system.

- ➢ *For example*, in case the supplier is integrating a PO sent by Accelleron what the supplier will need to provide is an *URL where they would like to receive this document*:
  - • When Accelleron is sending the PO, the file will *be transmitted in real-time to the URL* of the supplier.
  - • It will be the *responsibility of the supplier to take the PO* from their internal URL and import it in the system of their own internal choice
  - • *Consequently, all the Supplier's Internal approvals/processes will be applied to that document in the Internal Supplier's Back-end System*

- ➢ Also if the supplier would like to integrate Advance Ship Notice, for example, they will need :
  - • to prepare, internally, the Advance Ship Notice file according to requirements presented in the Accelleron Seller Integration Guidelines
  - • To export the file from their internal environment/back-end systems and place it in the URL indicated by SAP Ariba Team / CIG configurations
  - • From there the file will be processed according to the standards steps, and if compliant with all Accelleron's requirements, will be delivered in real time to Accelleron

- ➢ *Please note the above picture is not an actual technical architecture but an illustration meant to create a general understanding. The architectures on the suppliers side are different and vary case by case as each supplier is free to chose his internal applications, solutions, middleware, service providers, ERP, etc. Please note as well that Accelleron CIG and Supplier CIG do not perform the same functions.*

Integration with cXML

- **SAP Business Network language:**
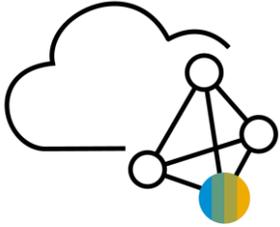
  - ➢ The native language of SAP Business Network platform is **cXML**.

  - ➢ cXML is an open standard created by SAP Ariba and the general specifications can be found on http://cxml.org/

  - ➢ Please refer to the specific generic cXML documentation found on http://cxml.org/

    Please note that the documentation from http://cxml.org/ is not Accelleron specific.

    Separate Accelleron specific documentation – Integration guidelines will be provided, representing basically a "sub-set" of the documentation from cXML.org
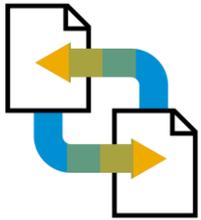
- **Transport protocol :**

  - ➢ cXML is supported through **HTTPS** transport protocol.
  - ➢ Suppliers web server must support at least **TLS** version 1.2

Cloud Integration Gateway: HTTP/S transport & security

- **CIG Support HTTP/S transmissions both ways, for cXML integrations.**

  The cXML payload is always sent with UTF-8 encoding.

  File attachments are encoded in base64, within MIME envelopes.

- **CIG supports 2 types of Authentication modes with HTTPS**

  ➢ **HTTP Basic**
  - Via a username and a password

  ➢ **Certificate based**
  - CIG only accepts certificates issued by a trusted authority (self-signed certificates are not acceptable).
  - Trusted certificate authorities list can be find on SAP Ariba Cloud Integration Gateway "how to guide" for suppliers (will be provided after the call).

Pre- requisites to Supplier Cloud Integration Gateway

➢ An active Supplier account on SAP Business Network (Test and Production)

➢ A valid trading Accelleron - supplier relationship on SAP Business Network (Test and Production).

➢ Ensure Ariba specific IPs are authorized on supplier's Firewall.

➢ Ensure Ariba specific URL domain (*.ariba.com) is authorized.

➢ Ensure Ariba email domain (*.ariba.com) is authorized.

## What you will need to prepare on your side as Supplier for the first step :

➢ The URL where you would like to receive the documents you have in scope with Accelleron (we recommend one for Test and one for Production)

➢ Chose what authentication method you would like to use : Basic or Certificate

Ariba specific IPs to authorize can be found in the "SAP Ariba Clod Integration Gateway guide how to guide for suppliers" downloadable in CIG by clicking on "Resource tab" or in official documentation following the link : SAP Help Portal

SSL handshake overview

➤ SSL communication consists of a series of messages exchanged between two parties (client and server).

➤ The SSL handshake between a client and server consists of nine steps, and appears as follows:

➤ The SSL messages determine the parameters of the encrypted communication channel that the two parties plan to use. It is important that the client and server agree on the message details, such as the protocol version, cipher suites, secure renegotiation, or client certificate requests. Otherwise the handshake fails.
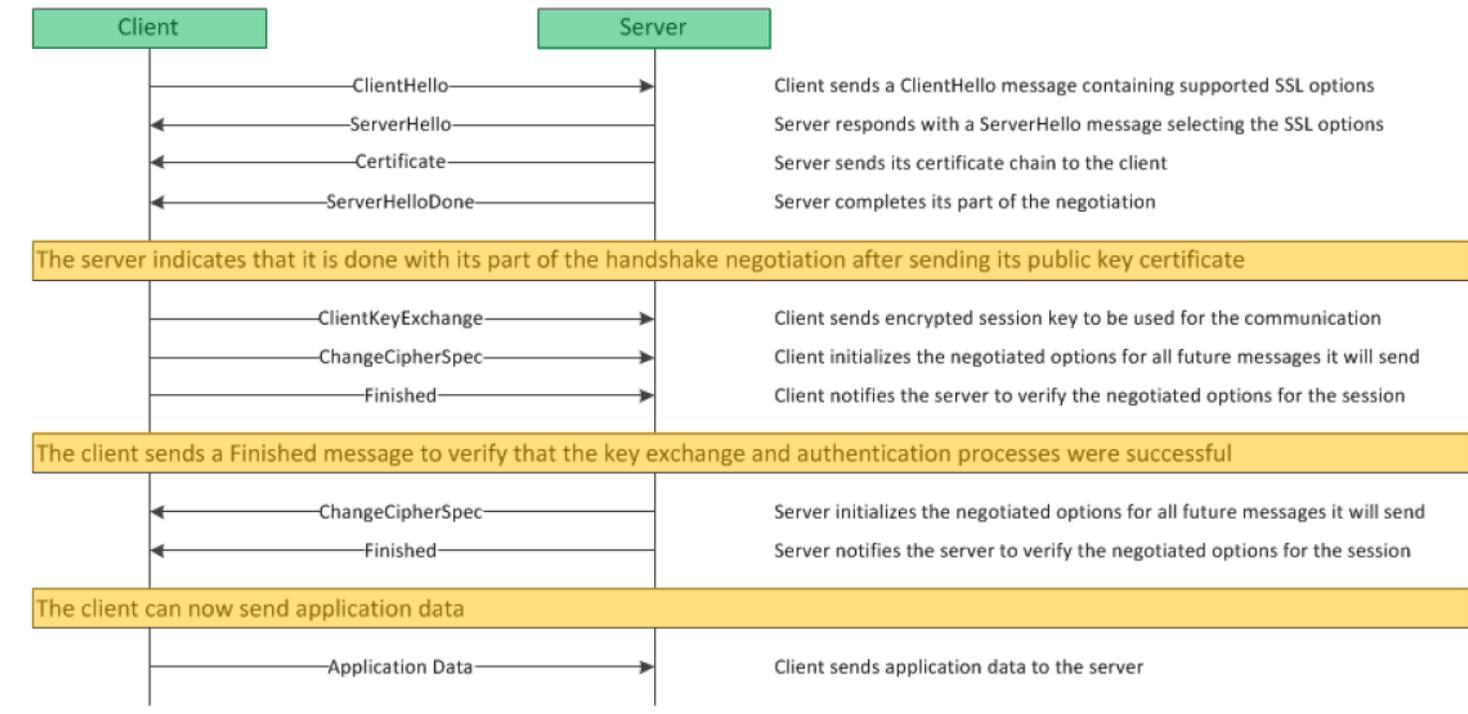
➤ For example, to keep the case presented above, in case the supplier is integrating the PO sent by Accelleron, :

  • *CIG* initiates the communication and is the *Client*
  • *Supplier Web Server* is the *Server*

Activities on the SUPPLIER side -
general overview
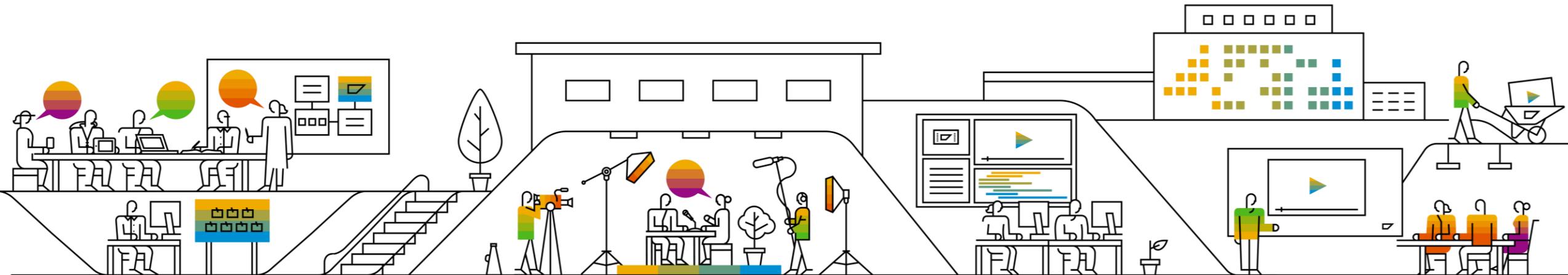
Activities on the SUPPLIER side - general overview

Task	Description of Task (including but not limited to)	Suggested Supplier Resource(s)
Scope confirmation and Change management	• Agree to the scope of the project, processes, document types and locations • Indicate how many document types will be integrated • Agrees with Accelleron on how will the remaining document types be managed, according to case • Work with Accelleron team on the change management activities	• Project Lead • Business owner • Technical resource
Project governance activities	• Confirm/Agree with Accelleron on proposed timeline and dedicates resources, detailed per each phase • Confirm/Agree on business process test cases based on real-time business process scenarios • Participate in Supplier Facing Kick-off call(s) • Participate in weekly project call(s)	• Project Lead • Technical Resources • Business Owner
Supplier Internal Design and development	• Supplier Team will ensure/complete Internal Solution Design as per Supplier Internal polices/procedures and in compliance with the Agreed project scope • Supplier Team will ensure/complete Internal Solution Development as per Supplier Internal policies/procedures as per Agreed Scope and Accelleron Integration Guidelines requirements • Supplier Team will ensure the dedicated Technical resources needed (internal or outsourced)	• Project Lead • Technical Resources • Business Owner
Provide visibility on development status	• Validate all document development is completed and ready for testing as per Agreed Scope and Accelleron Integration Guidelines requirements • Communicate weekly on development and/or additional project tasks • Communicate any project risks to the project team	• Project Lead • Technical Resources
End-to-End testing	• Participate in send/receive of documents during testing • Ensure documents/data is being received correctly into suppliers back-end ERP • Provide document #'s to be populated into test case plan/scenarios • Supplier's team will review the Supplier CIG, including Transaction Tracker section and Supplier SAP Business Network account as per the needs / case raised during testing	• Testing Lead • Technical Resources • Project Lead • Business Owner
Complete testing sign-off	• Review completed test plan and verify that testing is completed, both orally within a status call and written approval to be sent to the Accelleron SIFL • Schedule/Drive/Participate in daily/weekly hyper care calls • Participate/Agree to Cut-over activities	• Business Owner • Project Lead • Technical Resources

Please note that we can not estimate all the activities needed on the supplier side since each supplier represents a specific case. Please consider the above as a guide and not an exhaustive list of activities.

Activities on the SUPPLIER side - SAP Business Network / CIG account

Task	Description of Task (including but not limited to)	Suggested Supplier Resource(s)
Users / Roles creation / administration in the Supplier SAP Business Network Account Test / Production	• The Supplier's Team will ensure the creation / administration / maintenance in time of all needed Supplier Users and/or Roles as per the internal Supplier needs / internal procedures so that all needed parties / supplier's contacts / roles have the necessary access / rights	• The internally designated Supplier Administrator of the SAP Business Network Account Test /Production
Set up / administration of the needed configurations in the Supplier SAP Business Network Account Test / Production as per Supplier's choice / case	• The Supplier's Team will ensure the creation / administration / maintenance in time of all needed configurations within the Supplier SAP Business Network Account Test / Production as per Supplier's choice / case in order to ensure proper day to day activities. An example of such set up is the Document Routing section, the Notification section, etc	• Project Lead • Technical Resources • Business Owner • The internally designated Supplier Administrator of the SAP Business Network Account Test /Production
Set up / administration of the needed configurations in the Supplier Cloud Integration Gateway (CIG application)	• The Supplier's Team will ensure the set-up of the HTTPS connection details in the Supplier Cloud Integration Gateway (CIG application) . The Supplier's team will receive guidance related to the set-up from the SAP Ariba SI but the actual set-up in the Supplier CIG will be executed by the Supplier's Team.	• Project Lead • Technical Resources
Set up / administration / review of the notifications from Supplier SAP Business Network Account Test / Production and Supplier Cloud Integration Gateway (CIG application) as per suppliers choice	• The Supplier's Team will ensure the Set up / administration / review of the notifications from Supplier SAP Business Network Account Test / Production and Supplier Cloud Integration Gateway (CIG application) as per suppliers choice per each notification type • The Supplier's Team will ensure, during the entire duration of the project and after the go live, that the notifications are reviewed and the needed actions are taken on the supplier side in order to solve / manage the situation presented in the notification (including technical responses / status updates)	• Project Lead • Technical Resources • Business Owner • The internally designated Supplier Administrator of the SAP Business Network Account Test /Production

Please note that we can not estimate all the activities/ responsibilities needed on the supplier side since each supplier represents a specific case. Please consider the above as a guide and not an exhaustive list of activities.

Frequently asked questions

| Question	Answer
Is SAP Business Network "touching" the internal back-end system / middleware of the supplier ?	No it does not.
Is there a specific requirement coming from SAP Business Network for the supplier to use a specific ERP / ERP version ?	No. SAP Business Network does not have requirements or limitations related to the ERP / ERP version used by the supplier. That because the Supplier's ERP / ERP version is basically not transparent to the SAP Business Network. As long as the supplier is able to process the files in the specification of Accelleron project and provide back files that comply with the Accelleron specification as requitements the actual back-end of the supplier is not transparent for the project.
Is SAP Business Network requiring the suppliers to use / purchase a specific middleware / third party provider in order to complete the seller integration ?	No. SAP Business Network does not have requirements or limitations related to the middleware / third party provider that the supplier is using. The suppliers are free to chose whatever integration solutions, applications, middleware's or service providers are better suited for their internal polices. As long as the supplier is able to process the files in the specification of Accelleron project and provide back files that comply with the Accelleron specification as requitements the actual middleware / third party provider of the supplier is not transparent for the project.
Is the SAP Business Network team, the SI team, part of the internal mappings that take place internally on Supplier's side ?	No. Please note the SAP SI is not part of the internal mappings that take place on the supplier's side. Please note that the SAP SI will not be in a position offer any type consultancy in terms or internal supplier mappings, supplier ERP processes, supplier middleware, etc. It will be the responsibility of the supplier to find and engage the necessary resources for their own internal project .

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Note

- ❑ Please note this is not an official documentation, this guide was created by SCC SI EMEA team in order to help Suppliers during the integration project and after Hyper care period when SCC SI consultant is disengaged from the project.

- ❑ For more details and official documentation please refer to:

  - ➢ Generic CIG Guide by clicking on "Resource tab":
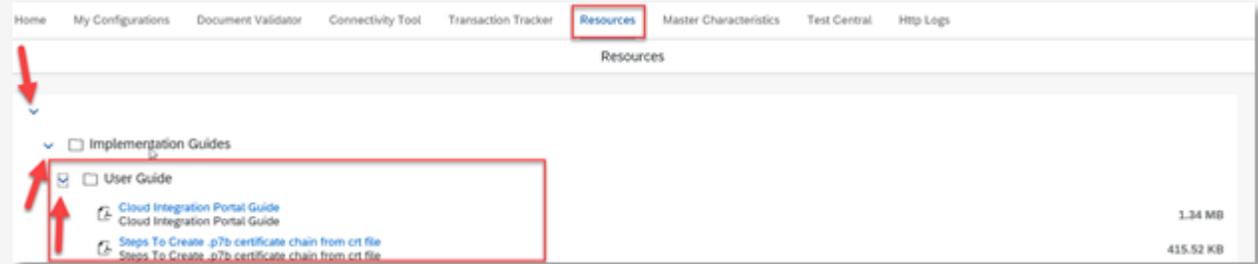
  - ➢ Or please access the "Help center" from your SAP Business Network account and type key words to find the necessary information:
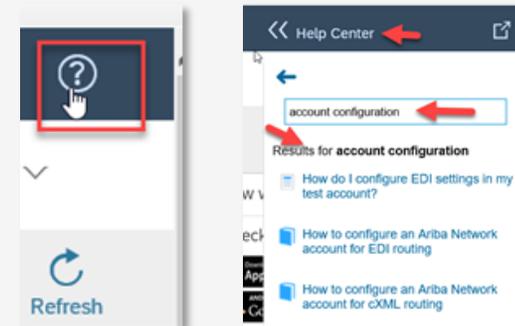
  - ➢ You can also access to the official documentation following the link : SAP Help Portal

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