SAP Ariba

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SAP Ariba Cloud Integration Gateway how to guide for suppliers

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Content

About the SAP Ariba Cloud Integration Gateway. 4
About document types. 4
Error handling in the SAP Ariba Cloud Integration Gateway. 8

Getting started. 9
All procedures at a glance. 9
Accessing the SAP Ariba Cloud Integration Gateway. 11
Configuring your Ariba Network account to access SAP Ariba Cloud Integration Gateway. 11
How to login to the SAP Ariba Cloud Integration Gateway. 12
How to enable the SAP Ariba Cloud Integration Gateway on Ariba Network. 12
How to configure the routing methods for non-cXML transaction documents. 13
How to assign user permissions for the SAP Ariba Cloud Integration Gateway. 14
Trusted certificate authorities. 15
Data center hosting and certification. 20
Viewing the **Home** page. 21
How to add your ERP system information. 22

Configuring an Ariba cloud integration project. 23
About Ariba cloud integration projects. 23
About the Ariba Network connections. 23
About mappings for transaction documents. 27
About buyer and supplier information. 27
About configuration confirmation. 29
About project testing. 30
Creating an Ariba cloud integration project. 32
How to provide basic information. 32
How to configure Ariba Network connection. 32
How to configure data maps for incoming and outgoing transaction documents. 35
How to specify buyer and supplier information. 36
How to confirm your project configuration. 38
How to test your project configuration. 39
Editing and deleting an Ariba cloud integration project. 39
Managing authorization. 40
How to manage authorization. 40
How to manage connections, cross references, and certificates from the My Configurations page. 41
How to share connections with other users. 42
How to add shared connections. 42

How to maintain values in the lookup table from My Configurations . . . 43

Deploying a project to production. . . . 44

About project deployment. . . . 44

How to schedule and activate the project on the production environment. . . . 44

Tracking documents with SAP Ariba Cloud Integration Gateway. . . . 46

About tracking transaction documents. . . . 46

How to track transaction documents. . . . 48

About test tools. . . . 50

Testing the connection to Ariba Network. . . . 50

How to test a connection on the Connectivity Tool. . . . 50

Validating documents. . . . 51

How to validate documents. . . . 51

How to view the custom mapping changes . . . 52

How to view validation errors. . . . 53

Troubleshooting information. . . . 54

Checking for errors in the documents. . . . 54

Common errors in transaction documents. . . . 55

SSL handshake overview. . . . 61

General SSL errors. . . . 64

Server certificate rejected by ChainVerifier. . . . 64

Network troubleshooting techniques and utilities. . . . 65

How to troubleshoot common connection errors. . . . 67

HTTP error codes overview. . . . 67

Migrating from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway. . . . 70

Introduction. . . . 70

Difference between the legacy and SAP Ariba Cloud Integration Gateway EDI. . . . 70

Migrating from SAP Ariba ASCx12 Legacy Translator to SAP Ariba Cloud Integration Gateway. . . . 71

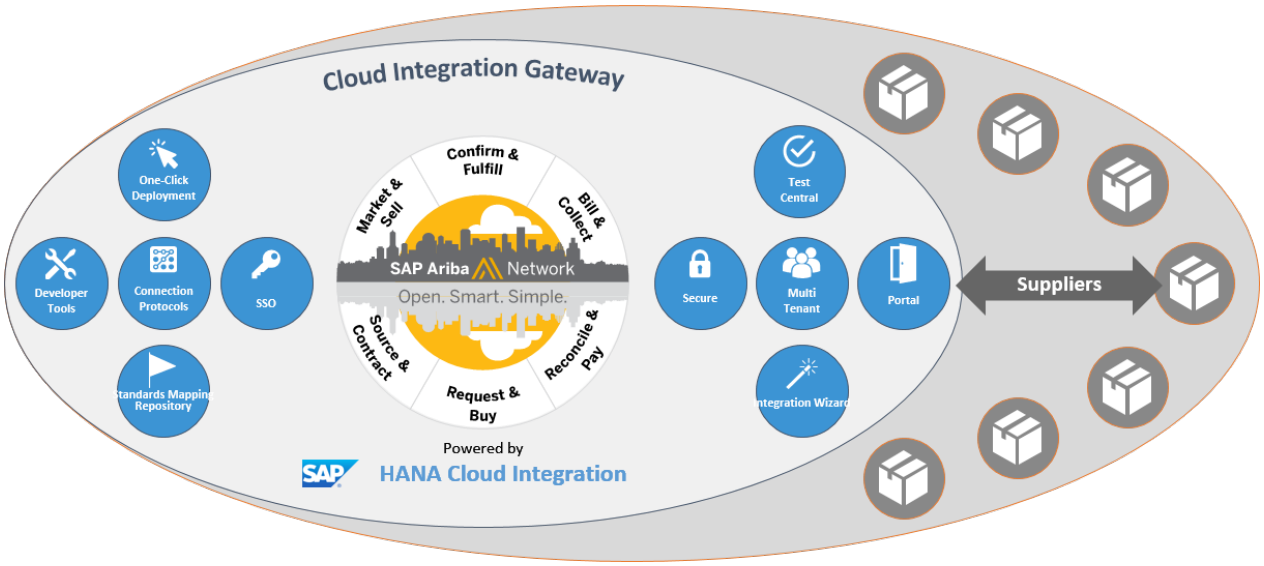
Hi-level steps about migrating from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway . . . 72

Enabling SAP Cloud Integration Gateway for B2B transaction . . . 73

Custom routing. . . . 74

Creating a test account on Ariba Network. . . . 76

About the SAP Ariba Cloud Integration Gateway



The SAP Ariba Cloud Integration Gateway is a self-service gateway that allows suppliers to configure and integrate to Ariba Network and transact with buyers seamlessly.

Using the SAP Ariba Cloud Integration Gateway, you can:

- Configure your integration between Ariba Network and your ERP application to manage one or more buyer-supplier trading relationships.
- Specify the mapping configuration.
- Validate and self test transaction documents.
- Monitor and track the integration lifecycle overall.

> **i** Note
>
> The SAP Ariba Cloud Integration portal provides online help for the tasks associated with each page. To view help information for a page, click the Help button on the top left of the page. Instructions, tips, and notes are displayed in a text pane to the right of the page. You can also enter text in the search field inside the pane to initiate a search within the help text.

About document types

Document types are the documents you send or receive from Ariba Network.

There are different types of documents. UN-EDIFACT, ASC-X12, OAGIS, and PIDX follow different naming conventions for the document types. The file size is limited to 100 MB. You can send multiple document types within an EDI envelope; however, the combined payload must be less than 100 MB. Individual transactions (after splitting the envelope) must be less than 40 MB. If a file or transaction fails this validation, a custom error message

is displayed. The following table lists the supported document types in the available document formats and in cXML as a reference:

Document types	cXML	UN-EDI-FACT D96A	UN-EDI-FACT D01B	GS1 GUSI	ASC-X12 v4010	OAGIS v9.2	PIDX	EANCOM 97	EANCOM 2002
Purchase Order	OrderRequest CopyRequest: SAP Ariba Supply Chain Collaboration	ORDERS	ORDERS	multiShipmentOrder	850	ProcessPurchaseOrder	OrderCreate	—	ORDERS
Sales Orders	SalesOrderRequest	—	—	—	—	ProcessPurchaseOrder	—	—	—
Purchase Order Change Request	OrderRequest CopyRequest: SAP Ariba Supply Chain Collaboration	ORDCHG	ORDCHG	—	860 / 850	ProcessPurchaseOrder	OrderChange	—	ORDCHG
Purchase Order Response	ConfirmationRequest	ORDRSP	—	—	855	AcknowledgePurchaseOrder	OrderResponse	—	—
Advanced Shipment Notice	ShipNoticeRequest CopyRequest: SAP Ariba Supply Chain Collaboration	DESADV	DESADV	despatchAdvice	856	NotifyShipment	AdvanceShipNotice	DESADV	DESADV
Invoice	InvoiceDetail InvoiceDetailRequest	INVOIC	INVOIC	—	810	—	Invoice	INVOIC	INVOIC

Document types	cXML	UN-EDI-FACT D96A	UN-EDI-FACT D01B	GS1 GUSI	ASC-X12 v4010	OAGIS v9.2	PIDX	EANCOM 97	EANCOM 2002
Invoice Response	StatusUpdateRequest	—	—	—	—	—	InvoiceResponse	—	—
Technical Acknowledgment	StatusUpdateRequest	CONTRL	—	—	997	ConfirmBOD	—	—	—
Goods Request (Inbound)	ReceiptRequest	RECADV	—	ReceiptAdvice	861	ProcessReceiveDelivery	Receipt	—	—
Forecast Visibility	ProductActivityMessage	DELFOR	—	ConsumptionReport	830	NotifyPlanningSchedule	—	—	—
ComponentConsumptionRequest	ComponentConsumptionRequest	—	—	—	866	NotifyInventoryConsumption	—	—	—
ForecastCommit	ProductReplenishmentMessage	—	—	—	830	NotifyPlanningSchedule	—	—	—
MO/PO	ProductReplenishmentMessage	INVRPT	—	—	866	NotifyProductionOrder	—	—	—
Inventory	ProductReplenishmentMessage	INVRPT	—	ReplenishmentRequest InventoryStatus	846	NotifyInventoryBalance	—	—	—
Functional Acknowledgment	StatusUpdateRequest	APERAK	—	—	824 / 864	ConfirmBOD	—	—	APERAK
PR	PaymentRemittance	REMADV	—	—	820	ConfirmBOD	—	REMADV	REMADV

Document types	cXML	UN-EDI-FACT D96A	UN-EDI-FACT D01B	GS1 GUSI	ASC-X12 v4010	OAGIS v9.2	PIDX	EANCOM 97	EANCOM 2002
Scheduling Agreement Release/ Delivery Schedule	OrderRequest	DELFOR	—	GoodsRequirement	—	ProcessPurchaseOrder	—	—	—
Scheduling Agreement Release/ Delivery Schedule - JIT	OrderRequest	DELJIT	—	—	862	ProcessPurchaseOrder	—	—	—
Scheduling Agreement Release/ Delivery Schedule - Commit (Forecast Commit Data)	OrderRequest	—	—	—	—	ProcessPurchaseOrder	—	—	—
Consignment Movement List	ProductReplenishmentMessage	INVRPT	—	ReplenishmentProposal	—	—	—	—	—
Transport Request	TransportRequest	IFTMIN	—	—	204	—	—	—	—
Transport Confirmation	TransportConfirmation	IFTSTA	—	—	214	—	—	—	—
Quality Notification (Outbound)	—	—	—	—	842	—	—	—	—
Quality Notification (Inbound)	—	—	—	—	842	—	—	—	—

When configuring an integration project you have to consider the relevant document types in the steps *Connection* and *Mappings*.

You also need to be aware of the document types using *Schema Validation* and *Test Transformation*.

Error handling in the SAP Ariba Cloud Integration Gateway

Get to know how the SAP Ariba Cloud Integration Gateway does error handling and helps you configure your cloud integration project.

Error Validation for Fields

In case you miss to fill a required field or enter an incompatible value, the field will be highlighted in red when you are trying to save or activate a function. This validation is done for select boxes as well as free text fields.

The gateway validates fields that require an entry in a specific format accordingly. An example is the URL within the project configuration which needs to have an `https://` URL due to security reasons and you may not enter any other type of URL.

Getting started

To connect to the Cloud Integration Gateway, you must have the following:

- An active supplier account on Ariba Network. For more information, see *Registering With Ariba Network for Suppliers* in the **Product Documentation** > **Getting Started** section of the Learning Center.
- A valid trading buyer -supplier relationship on Ariba Network. For more information about configuring your Ariba Network buyer account, see the *Ariba Network Buyer Administration Guide*.
- Configure your Ariba Network account to send and receive transaction documents from Cloud Integration Gateway.
- Configure your Ariba Network account to send and receive EDI documents. For more information, see *Configuring Document Routing* in the **Product Documentation** > **Administration and Configuration** section of the Learning Center.
- Configure your system to support IETF Applicability Statement 2 (AS2) documents
- Configure your digital certificates to use the HTTPS or AS2 transport. For more information about obtaining a digital certificate, see the *Ariba cXML Solutions Guide* in the **Product Documentation** > **Administration and Configuration**.

All procedures at a glance

An overview of all procedures in the context of the SAP Ariba Cloud Integration Gateway.

Prerequisites

Description	Related Information
Describes the way from Ariba Network to the SAP Ariba Cloud Integration Gateway.	Logging in to the Cloud Integration Gateway [page 12]
Describes the way from Ariba Network to the SAP Ariba Cloud Integration Gateway and how to change the routing method on the Ariba Network.	Enabling the Cloud Integration Gateway on Ariba Network [page 13]
Change the routing method on Ariba Network.	Configuring the Routing Methods for Non-cXML Transaction Documents [page 13]

Description	Related Information
All about users, roles, and permission settings.	Assigning User Permissions for the Ariba Cloud Integration Gateway [page 14]
Your first task when visiting the SAP Ariba Cloud Integration Gateway. You can also edit this information later.	Adding your ERP System Information [page 22]

Wizard Steps

Description	Related Information
This step is the first one after selecting **Create a new Integration Project** on the **Home** page.	Providing Basic Information [page 32]
Configure connections within a project.	Configuring Ariba Network Connection [page 33]
Set up your mapping using data maps.	Configuring Data Maps for Incoming and Outgoing Transaction Documents [page 35]
Enter data as cross reference between you and your partner.	Specifying Buyer and Supplier Information [page 36]
Double check your project configuration.	Confirming your Project Configuration [page 38]
Create a test script and schedule the testing.	How to test your project configuration [page 39]
Get ready for deployment.	Scheduling and Activating the Project on the Production Environment [page 44]

Preparation or Troubleshooting

Description	Related Information
Track or monitor your transactions.	Tracking Transaction Documents [page 48]
Test a connection with this tool.	Testing the connection to Ariba Network [page 50]
Validate your documents with Document Validator.	Validating documents [page 51]

Accessing the SAP Ariba Cloud Integration Gateway

You can access the SAP Ariba Cloud Integration Gateway from your Ariba Network account or using the email inviting you to register on Ariba Network. You need to set up the SAP Ariba Cloud Integration Gateway to access it.

If you are a user who is newly added to the Ariba Network account with permissions to access the SAP Ariba Cloud Integration Gateway, you receive an invitation to register on Ariba Network.

Enter your system information the first time you log in to the SAP Ariba Cloud Integration Gateway. The SAP Ariba Cloud Integration Gateway stores the information you provide when you log in. When you log in again, the SAP Ariba Cloud Integration Gateway displays the Home page.

You can edit the system information that you enter on the SAP Ariba Cloud Integration Gateway at *Username* > **Basic Data** > **Edit**.

Related Information

How to add your ERP system information [page 22]

Configuring your Ariba Network account to access SAP Ariba Cloud Integration Gateway

Suppliers using Ariba Network can send and receive non-cXML transaction documents using the SAP Ariba Cloud Integration Gateway. You need to set up the SAP Ariba Cloud Integration Gateway and also configure the routing method to send and receive non-cXML transaction documents from SAP Ariba Cloud Integration Gateway to Ariba Network. Supplier administrators need to assign roles and permissions for users to access the SAP Ariba Cloud Integration Gateway.

For more information about users, roles, and permissions, see *Seller Account Settings and Profile Configuration* in the **Product Documentation>** > **Administration and Configuration** > **Account Settings and Profile Configuration** section of the Learning Center.

For more information about routing methods, see *Configuring Document Routing* in the **Product Documentation** > **Administration and Configuration** section of the Learning Center.

Related Information

How to login to the SAP Ariba Cloud Integration Gateway [page 12]
How to enable the SAP Ariba Cloud Integration Gateway on Ariba Network [page 12]
How to configure the routing methods for non-cXML transaction documents [page 13]

How to assign user permissions for the SAP Ariba Cloud Integration Gateway [page 14]
How to manage authorization [page 40]

How to login to the SAP Ariba Cloud Integration Gateway

Context

You can access the SAP Ariba Cloud Integration Gateway from your Ariba Network account or using the email inviting you to register on Ariba Network. You need to set up the SAP Ariba Cloud Integration Gateway to access it.

> **i** Note
>
> SAP Ariba Cloud Integration Gateway displays an alert message to suppliers 30 days before the date of expiry of their certificate and enables them to update their certificate.

Procedure

1. Log in to your Ariba Network account.
2. Click **Company Account Settings** in the upper right corner of the dashboard.
3. Select **Electronic Order Routing**.
4. Click **Configure Ariba Cloud Integration Gateway (non-native integration)**.
5. Click **Go to the Ariba Cloud Integration Gateway**. The **Cloud Integration Gateway** page appears.
6. Enter your ERP system information. You need to enter this information only the first time you log in.
7. Click **Save**.

Related Information

All procedures at a glance [page 9]

How to enable the SAP Ariba Cloud Integration Gateway on Ariba Network

Context

To send and receive non-cXML transaction document from the cloud integration gateway, you need to setup and enable the SAP Ariba Cloud Integration Gateway on Ariba Network. You also need to configure your routing method to send and receive non-cXML transaction document from the SAP Ariba Cloud Integration Gateway.

Procedure

1. Log in to your Ariba Network account.
2. Click **Company Account Settings** in the upper right corner of the dashboard.
3. Select **Electronic Order Routing**.
4. Click **Configure Cloud Integration Gateway (non-native integration)**.
5. Click **Enable the Ariba Cloud Integration Gateway**.
6. Click **Save**.

   A new link to access the SAP Ariba Cloud Integration Gateway appears.
7. Click **Close**.

Related Information

How to assign user permissions for the SAP Ariba Cloud Integration Gateway [page 14]
All procedures at a glance [page 9]

How to configure the routing methods for non-cXML transaction documents

Context

You need to set up the SAP Ariba Cloud Integration Gateway before you configure the routing methods for non-cXML transaction documents.

Procedure

1. Log in to your Ariba Network account.
2. Click **Company Account Settings** in the upper right corner of the dashboard.
3. Choose **Electronic Order Routing**.
4. On the **Electronic Order Routing** page, choose **Cloud Integration Gateway** routing method from the dropdown menu in the **Routing Method** column. You need to specify the routing method for each of the transaction documents that you want to send in a non-cXML format.
5. Specify the corresponding configuration values in the **Options** column.
6. Click **Save** and then **Close**.

Related Information

All procedures at a glance [page 9]

How to assign user permissions for the SAP Ariba Cloud Integration Gateway

Context

Supplier administrators can assign predefined permissions to users accessing the SAP Ariba Cloud Integration Gateway. You need to create a role and associate the required permissions for the role, before you can create users.

Procedure

1. Log in to your Ariba Network account.
2. Click **Company Account Settings** in the upper right corner of the dashboard.
3. Select **Account Settings** > **Users**.
4. Click **Create Role**. Enter a distinctive name for the role.
5. (Optional) Enter a description for the role. Descriptions can be useful later, if you want to review or revise the structure of your roles.
6. Check the checkbox next to one or more of the following permissions for the new role. Each role must have at least one permission:
   - **Ariba Cloud Integration Gateway Configuration**: Allows you to create, modify, and maintain projects on the SAP Ariba Cloud Integration Gateway.
   - **Ariba Cloud Integration Gateway Access**: Allows you to view and search for projects available on the SAP Ariba Cloud Integration Gateway.
7. Click **Save**.

   Ariba creates the role and returns you to the **Users** page.
8. Click **Create User** to create a user for the SAP Ariba Cloud Integration Gateway.

Related Information

All procedures at a glance [page 9]

Trusted certificate authorities

A table with trusted certificate authorities (CA) you can use for your connection to Ariba Network. Your certificate must be from one of the following authorities, as SAP Ariba Cloud Integration Gateway does not support loading any new certificate authorities.

Table 1: Certificate Authorities

Serial No	O=	Expiration Date
127614157056681299805556476275995414779	thawte, Inc.	1 Dec 2037 23:59:59 GMT
5700383053117599563	SwissSign AG	25 Oct 2036 08:32:46 GMT
5670595323396054351	SwissSign AG	25 Oct 2036 08:36:00 GMT
13492815561806991280	SwissSign AG	25 Oct 2036 08:30:35 GMT
16777216	SAP-AG	31 Aug 2023 12:00:00 GMT
1289	QuoVadis Limited	24 Nov 2031 18:23:33 GMT
4835703278459759426209954	GlobalSign	18 Mar 2029 10:00:00 GMT
293460	Unizeto Technologies S.A.	3 Mar 2024 12:54:25 GMT
0	GoDaddy.com, Inc.	31 Dec 2037 23:59:59 GMT
103590841107909397811253951637831039208	VeriSign	12 May 2020 23:59:59 GMT
65568	Unizeto Sp. z o.o.	11 Jun 2027 10:46:39 GMT
3	ICP-Brasil	2 Sep 2018 19:56:38 GMT
11	ICP-Brasil	27 Dec 2019 17:39:24 GMT
1	AddTrust AB	30 May 2020 10:48:38 GMT
4835703278459819397297922	AlphaSSL	13 Apr 2022 10:00:00 GMT
4835703278459909592593969	GlobalSign nv-sa	20 Feb 2024 10:00:00 GMT
144918191876577076464031512351042010504348870	Amazon, C=US	31 Dec 2037 01:00:00 GMT
33554617	Baltimore, C=IE	12 May 2025 23:59:00 GMT
273460089105783944861631223625220794965	VeriSign, Inc.	1 Aug 2028 23:59:59 GMT
149843929435818692848040365716851702463	VeriSign, Inc.	1 Aug 2028 23:59:59 GMT
80507572722862485515306429940691309246	VeriSign, Inc.	2 Aug 2028 23:59:59 GMT

Serial No	O=	Expiration Date
145020418284802727109680863164064494046	COMODO CA Limited	30 May 2020 10:48:38 GMT
299946650295959108979727186852907762 67	COMODO CA Limited	30 May 2020 10:48:38 GMT
101909084537582093308941363524873193117	COMODO CA Limited	18 Jan 2038 23:59:59 GMT
523743402151082958453759628835220925 78	COMODO CA Limited	30 May 2020 10:48:38 GMT
724552270286900298152819268297221234 30	COMODO CA Limited	11 Feb 2029 23:59:59 GMT
147185725897567578873802462785113594047	COMODO CA Limited	30 May 2020 10:48:38 GMT
120010508	Cybertrust Inc	8 Sep 2020 17:34:08 GMT
208122069070367380153220088811893836 13	DigiCert Inc	10 Feb 2026 12:00:00 GMT
171547179341205878621677949140714250 81	DigiCert Inc	10 Nov 2031 00:00:00 GMT
109447195989520403749518329637944543 46	DigiCert Inc	10 Nov 2031 00:00:00 GMT
137858990619803216004723308128861059 15	DigiCert Inc	3 Apr 2022 00:00:00 GMT
355340007641054791972473073437810008 7	DigiCert Inc	10 Nov 2031 00:00:00 GMT
120026506	DigiCert Inc	25 Jul 2019 17:57:44 GMT
879635360654522949449089626539676472 7	DigiCert Inc	8 Mar 2023 12:00:00 GMT
165824370386784670946193795926297880 35	DigiCert Inc	22 Oct 2028 12:00:00 GMT
648987707454616622251038095176191734 3	DigiCert Inc	22 Oct 2028 12:00:00 GMT
264620378666592364927672859539011905 7	DigiCert Inc	8 Mar 2023 12:00:00 GMT
1276021817	Entrust, Inc.	12 Nov 2021 02:51:17 GMT
946072060	Entrust, Inc.	10 Dec 2019 21:13:54 GMT
1372807406	Entrust, Inc.	23 Oct 2024 07:33:22 GMT
461483235043683202762509299 7	Entrust, Inc.	5 Dec 2030 19:43:56 GMT
946069240	Entrust, Inc.	24 Jul 2029 14:15:12 GMT
927650371	Entrust, Inc.	25 May 2019 16:39:40 GMT
1164660820	Entrust, Inc.	27 Nov 2026 20:53:42 GMT
1246989352	Entrust, Inc.	7 Dec 2030 17:55:54 GMT
1372799044	Entrust, Inc.	23 Sep 2024 01:31:53 GMT

Serial No	O=	Expiration Date
4	Equifax Secure Inc.	21 Jun 2020 04:00:00 GMT
1	Equifax Secure Inc.	21 Jun 2020 04:00:00 GMT
146035	GeoTrust Inc.	20 May 2022 22:02:59 GMT
145106	GeoTrust Inc.	25 Feb 2020 21:32:31 GMT
146934555852773531829332059263122711876	GeoTrust Inc.	30 Oct 2023 23:59:59 GMT
144470	GeoTrust Inc.	21 May 2022 04:00:00 GMT
32798226551256963324313806436981982369	GeoTrust Inc.	16 Jul 2036 23:59:59 GMT
28809105769928564313984085209975885599	GeoTrust Inc.	1 Dec 2037 23:59:59 GMT
87075193310356244756131655259219296440	GeoTrust Inc.	22 May 2023 23:59:59 GMT
146019	GeoTrust Inc.	20 May 2022 20:40:40 GMT
146031	GeoTrust Inc.	20 May 2022 21:36:50 GMT
145104	GeoTrust Inc.	18 Feb 2020 22:39:26 GMT
27	GeoTrust Inc.	21 Jun 2020 04:00:00 GMT
4835703278459682885658125	GlobalSign	15 Dec 2021 08:00:00 GMT
4835703278459819397300547	GlobalSign nv-sa	13 Apr 2022 10:00:00 GMT
4835703278459909592599125	GlobalSign nv-sa	15 Dec 2021 08:00:00 GMT
4835703278459819397301516	GlobalSign nv-sa	13 Apr 2022 10:00:00 GMT
4835703278459828975322313	GlobalSign nv-sa	2 Aug 2022 10:00:00 GMT
4835703278459909592597063	GlobalSign nv-sa	20 Feb 2024 10:00:00 GMT
4835703278459819397295954	GlobalSign nv-sa	13 Apr 2019 10:00:00 GMT
4835703278459828975317188	GlobalSign nv-sa	2 Aug 2019 10:00:00 GMT
4835703278459707669005204	GlobalSign nv-sa	28 Jan 2028 12:00:00 GMT
0	The Go Daddy Group, Inc.	29 Jun 2034 17:06:20 GMT
0	GoDaddy.com, Inc.	31 Dec 2037 23:59:59 GMT
7	GoDaddy.com, Inc.	3 May 2031 07:00:00 GMT
769	GoDaddy.com, Inc.	16 Nov 2026 01:54:37 GMT

Serial No	O=	Expiration Date
224694802636309687931611103949475117 86	Network Solutions L.L.C.	30 May 2020 10:48:38 GMT
260356681471242070353348860874506689848	Network Solutions L.L.C.	23 Sep 2024 23:59:59 GMT
145105	GeoTrust Inc.	18 Feb 2020 22:45:05 GMT
146039	GeoTrust Inc.	20 May 2022 21:39:32 GMT
171997745891252777883627570142668620 32	SecureTrust Corporation	31 Dec 2029 19:40:55 GMT
0	Starfield Technologies, Inc.	29 Jun 2034 17:39:16 GMT
0	Starfield Technologies, Inc.	29 Jun 2034 17:39:16 GMT
513	Starfield Technologies, Inc.	16 Nov 2026 01:15:40 GMT
0	Starfield Technologies, Inc.	31 Dec 2037 23:59:59 GMT
1	StartCom Ltd.	17 Sep 2036 19:46:36 GMT
8069548958653521	StartCom Ltd.	14 Oct 2022 20:57:09 GMT
107998343814376832458216740669838760447	Symantec Corporation	30 Oct 2023 23:59:59 GMT
140272903478076909847220679656918640734	Symantec Corporation	8 Apr 2023 23:59:59 GMT
941389028203453866782103406992443	TC TrustCenter GmbH	31 Dec 2025 22:59:59 GMT
57424572311236023459850933179523 8	TC TrustCenter GmbH	31 Dec 2025 21:59:59 GMT
590357902834969014658622965730750377 77	thawte, Inc.	9 Jun 2024 23:59:59 GMT
1	Thawte Consulting cc	31 Dec 2020 23:59:59 GMT
718724746632332259250088874380659940 68	Thawte Consulting cc	1 Jan 2021 23:59:59 GMT
695291819920392035662989537877129409 09	thawte, Inc.	16 Jul 2036 23:59:59 GMT
683166730319936969561212153623813602 73	thawte, Inc.	30 Dec 2020 23:59:59 GMT
1	Thawte Consulting cc	31 Dec 2020 23:59:59 GMT
299483272278629444307807501561521371 11	thawte, Inc.	30 Oct 2023 23:59:59 GMT
102844720425577770632960998383784151532	thawte, Inc.	7 Feb 2020 23:59:59 GMT
328995012636179041393477883679673612572	Corporation Service Company	9 Sep 2024 23:59:59 GMT
264711495832081315596479118010126999 58	The USERTRUST Network	30 May 2020 10:48:38 GMT
694413151507137089024882272007427482 44	The USERTRUST Network	30 May 2020 10:48:38 GMT

Serial No	O=	Expiration Date
91374294542884704022267039221184531197	The USERTRUST Network	9 Jul 2019 18:19:22 GMT
960973456821970925181329674900388964 21	The USERTRUST Network	30 May 2020 10:48:38 GMT
842871736458874631400252261445939294 37	VeriSign, Inc.	2 Aug 2028 23:59:59 GMT
150313870982823321231182735305308165084	VeriSign, Inc.	30 Apr 2019 23:59:59 GMT
133067699711757643302127248541276864103	VeriSign, Inc.	7 Feb 2020 23:59:59 GMT
167285380242319648451154478808036881606	VeriSign, Inc.	1 Aug 2028 23:59:59 GMT
185237570324729778462978133790525665700	VeriSign, Inc.	16 Jul 2036 23:59:59 GMT
330376441675680589701647194756761014 50	VeriSign, Inc.	16 Jul 2036 23:59:59 GMT
492484666874535220526882161722883422 69	VeriSign, Inc.	7 Nov 2021 23:59:59 GMT
146630355833654099725443235615133423812	VeriSign, Inc.	24 Mar 2019 23:59:59 GMT
147276795673788085925734830146256557201	VeriSign, Inc.	7 Feb 2020 23:59:59 GMT
852095747340845819177637526440317268 77	VeriSign, Inc.	1 Dec 2037 23:59:59 GMT
120039009	Verizon Enterprise Solutions	9 Apr 2021 16:02:10 GMT
148224379948753903659871811913827706797	DHIMYOTIS	22 Nov 2025 11:33:52 GMT
18364802974209362175	DHIMYOTIS	29 Jun 2027 15:13:05 GMT
4835703278459909592596000	GlobalSign nv-sa	20 Feb 2024 10:00:00 GMT
149186298339475679428572612324145987922 8099	ChamberSign France	16 Oct 2022 00:00:00 GMT
14424065360279851787	mendelson-e-commerce GmbH	27 Jun 2026 11:04:31 GMT
42937435400469753785348795032022535 41	DigiCert Inc	15 Jan 2038 12:00:00 GMT
120404653138766597850528494602029814 63	DigiCert Inc	2 Nov 2027 12:24:25 GMT
573978991459903630810230812754803783 75	COMODO CA Limited	11 Feb 2029 23:59:59 GMT
9313026041796383934005028454383277195705 7431167	Certinomis	21 Oct 2023 10:12:44 GMT
1	Certinomis	21 Oct 2033 09:17:18 GMT
166926012920949179653512163827511443 67	DigiCert Inc	1 Aug 2028 12:00:00 GMT
72051517793617806281683710734116942130	thawte, Inc.	22 May 2023 23:59:59 GMT

Serial No	O=	Expiration Date
845021923030681383869146362827405626 28	Symantec Corporation	11 May 2025 23:59:59 GMT
114938443078002746106577948969561833 69	DigiCert Inc	6 Nov 2027 12:23:33 GMT
256073957537053858373273299699373306107	The Trustico Group Ltd	8 Sep 2027 23:59:59 GMT
0	Ariba, an SAP Company	8 Dec 2025 07:23:17 GMT
390156079458959257446133169266079962026 824725800	QuoVadis Limited	12 Jan 2042 18:59:32 GMT
20 65 68 bb ab d1 1f 58 64 57 e2 f3 fa 8e f4 e8	compacer GmbH	16 July 2019 18:59:59 GMT
73 00 00 12 49 f5 42 c6 85 cb 36 25 1e 00 00 00 00 12 49	itelligence AG	5 February 2020 06:00:43 GMT

Data center hosting and certification

SAP Cloud Platform is an open platform-as-a-service offering for developing cloud applications in a fully provisioned environment. For more information about SAP's cloud platform, see SAP Cloud Platform.

Using a cloud-based integration platform imposes dedicated security measures on the software vendor (SAP) that hosts the platform as well as on those (the customers) who use the platform. SAP processes customers' sensitive data and saves it on its own data center. Data centers are sensitive entities that are exposed to hazards on many fronts. SAP equips its data centers with security measures to protect customers' data from unauthorized access and hazards. For more information about the security aspects of SAP Cloud Platform, see the Security section in the *SAP Cloud Platform Integration guide*.

The SAP Ariba Cloud Integration Gateway is currently hosted only in SAP's Germany data center, St. Leon-Rot. For more information about the IP address range in the St. Leon-Rot data center, see the *Regions, Hosts, and IP Ranges Available for the Neo Environment* table, in the Regions and Hosts section of the *SAP Cloud Platform guide*.

A series of quality seals and certificates shows how compliant a given data center is with all the necessary security precautions. Every certification involves an inspection of certain parameters or criteria. Many certification organizations perform their inspections in accordance with various standards. Multiple auditing firms conduct audits based on national and international standards, such as ISO 27001, SOC 1 /SSAE 16 and SOC 2. The SAP data center is also audited according to these standards. Once the audit is successfully passed, the data centers receive a certificate or attestation report verifying their compliance with the respective standard.

SAP ensures that these certificates are valid at every data center where cloud solutions are run. For more information about SAP's certificates, see Certificates. For more information about the certification of St. Leon-Rot, see the Certificate page.

Viewing the Home page

The **Home** page displays the following:

Integration Projects	Display the table of projects. Allows you to create or edit a project. Gives you the opportunity to copy or delete a project.
Tools	**Test Connectivity** for testing your connection to Ariba Network. **Document Validator** for testing your transaction documents.
Transaction Tracker	Track the transaction documents that you have sent and received. Download payloads and attachments. **i Note** If you are logged in to the SAP Ariba Cloud Integration Gateway portal from a test account, you can access only the transactions in the test environment. Only users logged in from their production account can view transactions on both test and production environments.

In the top left corner of the application open the *Navigation* menu. From this menu you get access to the **Home** page from anywhere in the application. There, you also find the **My Configurations**, **Resources**, and the **Test Central** pages.

My Configurations	This is an overview page to have quick access to all configured projects, its connections, mappings, cross references, and authorizations.
Resources	This pages contains documentation and connection requirements.
Test Central	This page lists the available test scripts and also allows you to create custom test scripts.

Related Information

Creating an Ariba cloud integration project [page 32]
Tracking documents with SAP Ariba Cloud Integration Gateway [page 46]
About test tools [page 50]

How to add your ERP system information

Context

The SAP Ariba Cloud Integration Gateway asks you for the ERP system information only the first time you log in to the gateway. In case you need support with the SAP Ariba Cloud Integration Gateway, this information is helpful to connect you with the support team, which is best acquainted with your ERP system.

Procedure

1. Select your
    a. *ERP name*
    b. *ERP version*
    c. *Middleware*
2. Click **Save**.

Results

The SAP Ariba Cloud Integration Gateway **Home** page appears.

Related Information

All procedures at a glance [page 9]

Configuring an Ariba cloud integration project

With a project, you set an end point for your connection with the Ariba Network and configure, as well as test, the integration with one or more customers.

About Ariba cloud integration projects

To keep it simple, and if your system setup is suitable, it is recommended to integrate with all customers in one project.

When you create a project, do the following:

- Configure a connection to your end point and to the Ariba Network.
- Configure your data map for transaction documents to Ariba Network.
- Setup the buyer and supplier profile information.
- Test your project configuration and sign off to production.

Related Information

How to provide basic information [page 32]
How to configure Ariba Network connection [page 32]
How to configure data maps for incoming and outgoing transaction documents [page 35]
How to specify buyer and supplier information [page 36]
How to test your project configuration [page 39]
How to schedule and activate the project on the production environment [page 44]

About the Ariba Network connections

The Ariba Network connection defines the communication channel that is used to exchange data from your system to the Ariba Network.

> **i Note**
>
> SAP Ariba Cloud Integration Gateway currently supports only secure communication channels. SAP does not allow the use of non-SSL channels with SAP Ariba Cloud Integration Gateway because of security concerns.

For each connection you decide to use it with one or all document types.

To connect using VAN, choose *Select VAN (Optional)*. Choosing this option prepopulates all the necessary fields for your connectivity using the VAN previously configured in the SAP Ariba Cloud Integration Gateway. You are not required to upload any certificate as it is defaulted by the VAN connection.

The following table describes all fields for the configuration in detail:

EDI Transport Type	Field Name	Description
HTTPS, AS2, and RNIF	*Environment*	The default value is *TEST / PRODUCTION*. This value allows you to use this connection for testing and production purposes. You may also configure a connection specific as *TEST* or *PRODUCTION*. **i Note** Declare at least one connection per project for productive use.
	Document Format	You can choose one of the following formats based on the EDI transport type: • UN-EDIFACT • ASC-X12 • OAGIS • PIDX
	Document Type	The default value for this field is *ANY*, which means that you use this transport type for all available document types. You might also select only one document type.
	URL	The URL where you want to receive your transaction documents. It is a free text field and your browser validates your entry. A valid URL starts with `HTTPS://`.

EDI Transport Type	Field Name	Description
	Authentication Type	You can choose between *Basic* and *Certificate* based authentication. *Basic* — This authentication type needs your username and password. **i Note** You need to get a special user from the Cloud Identity Service Registration to use this authentication method. To get this user, select *Basic* and follow the instructions. You can reset the password from the Cloud Identity Service portal at https://aribaoperations.accounts.ondemand.com. When you reset the password, use the same email ID that was used for creating the original account. *Certificate* — This is done within a dialog that enables you to add or reuse certificates. If you want to reuse a certificate that you already added, select it in the *Certificate Name* section. The certificate must match the certificate that is configured for the Ariba solution to which you need to send the transaction document. If there is a mismatch, the screen displays an error message.
AS2	*Ariba AS2ID Test*	This field is the Ariba AS2 ID for Test and cannot be changed. It is for your reference only.
	Ariba AS2ID Production	This field is the Ariba AS2 ID for Production and cannot be changed. It is for your reference only.
	Trading Partner AS2 ID	This is your AS2 ID.
	Ariba VAN Interchange ID	This field contains your Ariba VAN Interchange ID.
	VAN AS2 ID	This field contains your VAN AS2 ID.
	MDN Type	You can choose to use the synchronous or the asynchronous MDN type.
	MDN URL	This is the URL where you want to receive the Message Disposition Notifications.
	Secure/Multipurpose Internet Mail Extensions (S/MIME) Type	Possible values are: • signed • encrypted • signedAndEncrypted • plain

EDI Transport Type	Field Name	Description
	Digital Certificate Encryption Algorithm	Available algorithms are: • RC2 • TripleDES • AdvancedEncryptionStandard-128 • AdvancedEncryptionStandard-192 • AdvancedEncryptionStandard-256
	Digital Certificate Signing Algorithm	Available algorithms are: • Secure Hash Algorithm 1 • Secure Hash Algorithm 2-224 • Secure Hash Algorithm 2-256 • Secure Hash Algorithm 2-384 • Secure Hash Algorithm 2-512 • MD Algorithm
	Message Encryption Certificate	Paste your certificate here. Leave this blank if the same certificate is used in *Authentication Certificate*.

> **i** Note
>
> AS2 files are sent with the same filename every time. SAP Ariba does not provide unique filenames on the AS2 file. For unique identification, utilize the MessageID within the payload.

About shared connections [page 26]

About shared connections

Suppliers can share their connections with other suppliers. This is beneficial in scenarios where companies have multiple offices and want their users to use the same connections. Suppliers use the ANID of the user with whom they want to share the connection, and generate a code. The suppliers share this code with other supplier user, to allow them to use the shared connection.

When suppliers use a shared connection, they cannot edit or delete the connection. The suppliers who created the connection can edit it. However, they can delete their shared connections, only if the shared connections are not being used by any user.

About mappings for transaction documents

Ariba Network creates a mapping, between your transaction document format and the format used by the Ariba Network, from your defined data maps.

You always use your own format to configure data maps. It does not matter if you are the receiving or sending party, you do not need to consider the format of the Ariba Network. The format of the Ariba Network and its mappings are defined in the background.

Fieldname	Description
Direction	The direction depends on if you want to receive or send this document within this project. Use *receive* for transactions sent to you or *send* for transactions sent from you.
Document Format	Here you can see the format of the transaction document that you have chosen under **Connection**. Possible values are: • *UN-EDIFACT* • *ASC-X12* • *OAGIS* • **PIDX** • **EANCOM 97** • **EANCOM 2002**
Document Format Version	For every document format, normally multiple versions exist. Choose one of the supported versions for your document format from the dropdown menu. The entries in the menu depend on your document format choice.
Document Type	Defines the type of document you want to create a mapping for. The type code depends on the document format. Use the supported document types listed in: About document types [page 4]

> **i Note**
>
> If you are using ASC-X12 format, SAP Ariba Cloud Integration Gateway allows change orders to be consumed as either an 850 or 860 document. If you wish to use 850 for change orders, do not configure 860 as a document type in your project. If you wish to consume change orders as 860, then select 860 as a document type.

About buyer and supplier information

Enhance your mapping with a set of technical qualifiers and IDs.

This additional information is content from your transaction document. By extracting this specific information and cross referencing it to your Ariba Network ID, the document is routed to your trading partner through Ariba Network. While the mapping is always done against Ariba Network format, the cross reference data is the way to define specific data for you and your trading partner. All cross references you created in a project are available in every project that has the same document format definition (see step *Connection*). This means you need to be careful when you are editing cross references, because they could be used in another project.

Table 2: Fieldname and description of buyer and supplier information

Fieldname	Description
Trading Partner Ariba Network ID	This is your own Ariba Network ID. You cannot change this, it is connected to yourAriba Network account.
Trading Partner EDI Qualifier	This field contains the qualifier that defines the type of ID that is used in the *Trading Partner EDI Interchange ID*. **Example** If you use your DUNS number as seller interchange ID the qualifier is 01. List of valid EDI qualifiers [page 29]
Trading Partner EDI Interchange ID	This field can contain any identifier. It is a free text field. Fill it with an identifier that is aligned with your defined qualifier.
Trading Partner EDI Group ID	This field can contain any identifier. It is a free text field. Fill it with your EDI Group ID.
Customer Name	This field is only available in case you have chosen to integrate with all customers at the beginning of the project configuration. Select the customer you want to trade with.
Customer Ariba Network ID	This is Ariba Network ID of the customer. It is connected to the customers Ariba Network account.
Ariba Qualifier ID	This field contains the qualifier that defines the type of ID that is used in the *Ariba Interchange ID*. This is predefined and cannot be changed.
Ariba Interchange ID	This field contains the identifier that is aligned with the defined qualifier and is automatically filled.
Customer EDI Group ID	This field can contain any identifier with up to **14 characters**. It is a free text field. Fill it with your customers EDI Group ID.
Trading Partner OAGIS ID *Customer OAGIS ID* *Trading Partner DUNS* *Customer DUNS*	The instance of an entity within the scope of the integration. Trading partner DUNS and customer DUNS are applicable when you use PIDX-based integration.
Ariba VAN Interchange ID	This field can contain any identifier. It is a free text field. Fill it with your Ariba VAN Interchange ID.
GSI EAN ID	This free text field can contain any identifier. GSI EAN ID applies to the trading partner when you use EANCOM-based integration.

Table 3: List of valid EDI qualifiers

Qualifier	Description
01	Duns (Dun & Bradstreet)
02	SCAC (Standard Carrier Alpha Code)
03	FMC (Federal Maritime Commission)
04	IATA (International Air Transport Association)
08	UCC EDI Communications ID (Comm ID)
09	X.121 (CCITT)
10	Department of Defense (DoD) Activity Address Code
11	DEA (Drug Enforcement Administration)
12	Phone (Telephone Companies)
13	UCS Code (The UCS Code is a Code Used for UCS Transmissions; it includes the Area Code and Telephone Number of a Modem; it Does Not Include Punctuation, Blanks or Access Code)
14	Duns Plus Suffix
15	Petroleum Accountants Society of Canada Company Code
16	Duns Number With 4-Character Suffix
17	American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit)
18	Association of American Railroads (AAR) Standard Distribution Code
19	EDI Council of Australia (EDICA) Communications ID Number (COMM ID)
20	Health Industry Number (HIN)
21	Integrated Postsecondary Education Data System, or (IPEDS)
22	Federal Interagency Commission on Education, or FICE
23	National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes, or NCES
24	The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP
25	American College Testing Program 4-Digit Code of Postsecondary Institutions, or ACT
26	Statistics of Canada List of Postsecondary Institutions
27	Carrier Identification Number as assigned by Health Care Financing Administration (HCFA)
28	Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA)
29	Medicare Provider and Supplier Identification Number as assigned by Health Care Financing Administration (HCFA)v
30	U.S. Federal Tax Identification Number
32	U.S. Federal Employer Identification Number (FEIN)
34	Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA)
35	Statistics Canada Canadian College Student Information System Institution Codes
36	Statistics Canada University Student Information System Institution Codes
37	Society of Property Information Compilers and Analysts
AM	Association Mexicana del Codigo de Producto (AMECOP) Communication ID
NR	National Retail Merchants Association (NRMA) - Assigned
SN	Standard Address Number
ZZ	Mutually Defined

About configuration confirmation

Before you get to test your integration project you have to confirm your project configuration.

This page appears when selecting **Next** on the *Cross Reference* step. Review your configuration for each step. To edit any part of your project click the pen symbol in the *Details* column. Select the *Information* symbol to see all relevant data for that part of your project.

The page consists of the sections:

Sections	Description
Configuration Confirmation	Shows data from the *Basic Information* step. Not editable.
Connection Details	Displays details for connections. The available columns are: *Customer*, *Document Type*, *Transport*, *URL* and *Environment*.
VAN Connection Details	Displays details for VAN connections. The available columns are: *Document Standard*, *Document Type*, *Transport* and *Environment*. Click the information icon to view the details.
Transaction Documents for the Project	Displays details for mappings. The available columns are: *Customer*, *Direction*, *Document Type*, *Format*, *Format Version* and *Data Map Status*.
Cross References	Displays details for cross references. The available columns are: *Name*, *Standard*, *Type*, *Value* and *Status*.

About project testing

The project testing is the last step before deployment.

General

- After you complete the configuration of your project, it is recommended that you test the project before deployment. Designed as a self-service, you are responsible to choose the correct test scripts. Please review your configuration thoroughly and define your test scenario accordingly.
- The SAP Ariba Cloud Integration Gateway provides you with test cases for all document types. A group of test cases is a test script.
- During testing, the connection and document types are taken from the project. The payload for the transaction documents is a standard payload used for testing purposes.
- There are two types of test cases:

Inbound	Communication from supplier to Ariba Network
Outbound	Communication from Ariba Network to the supplier

  Only outbound documents have the payload and attachments.
- Test scripts can have multiple test scenarios. Each test scenario consist of multiple test cases. The test cases in a test scenario are executed in a sequential order. You can opt to select different test scenarios from the available list.

- Custom values in test cases are specific for buyers. If you change the value during your test script configuration it changes for all test cases for that buyer.
- You can define characteristics for documents, such as the value, mandatory, and modifiable. The characteristic is globally applicable, but you can override it for individual test cases.
- A test case can consist of multiple documents per document type. If one of these documents passes the test and gets the status *Completed* the test case is considered successful.

Requirements

- Your project is fully configured.
- You checked and confirmed your configuration.

Limitations

- Each project can only have one test script.
- Once a test is scheduled, it cannot be modified.
- Only outbound test cases can be rerun.
- The results page shows only a status and an expected result for a test case. To see details for each message look at the **Transaction Tracker**.

Test Script and Scheduling

- The test script for a project is configured in the project step **Test**.
- Within the step **Test** all test cases related to the selected document types and customer are available. TheSAP Ariba Cloud Integration Gateway preselects required test cases. Select optional test cases manually.
- Schedule the start of your testing. When you return to the project after your scheduled date and time, you are directed to the test results page.

Test Results

- The **Test** step in the project wizard displays the test results, after the scheduled time.
- Test results are retrieved dynamically, so the first load after executing the tests might take some time.
- Test script status stay pending, as long as there are unfinished test cases.
- Rerun failed outbound tests from the **Test** step.

Creating an Ariba cloud integration project

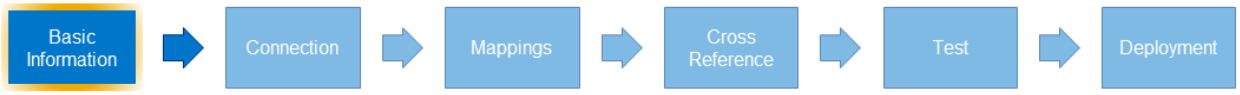
Creating a project requires some configuration steps before you can deploy it on production.

Select **Create a new Integration Project** on the *Home* page to start a new integration project.

How to provide basic information

Add some basic information to your integration project as the first step of the project wizard.

Context



Procedure

1. Enter a *Project Name*.
2. Select a customer to integrate with.
3. Select **Next**.

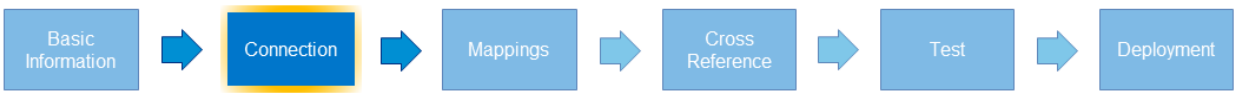
Related Information

All procedures at a glance [page 9]

How to configure Ariba Network connection

Decide which connection is going to be used for this project and follow the procedure:

Context



You can either choose an existing connection or add a new connection.

Before deploying a project, you can test the connectivity configured for the project. This capability helps you validate the connection details that you have entered in the Connection page and ensure the connectivity between SAP Ariba Cloud Integration Gateway and your SAP Ariba system.

> **i Note**
>
> AS2 connections currently don't support compressed messages.

> **i Note**
>
> To facilitate traffic between the SAP Ariba Cloud Integration Gateway and the middleware or the ERP system, you might need to configure the firewall settings to permit inbound traffic from the following IP address range:
>
> 155.56.128.1 to 155.56.255.254

Procedure

- **General steps for HTTPS, AS2, and VAN connections:**
  a. Choose the *Transport Type*.
  b. Define the *Environment* of your connection.
  c. Define the *Document Format* for the connections of this integration project.
  d. Enter the name for your connection in the *Name* field.
  e. Define the *Document Type* for this connection in the *Connect To Trading Partner* section.
  f. Enter the *URL* for your service, including host, port and location of the service.
  g. Choose the *Authentication Type* for your connection:
     - *Basic*
       Insert your *Username* and your *Password* that Ariba Network uses for authentication.
     - *Certificate*
       Download the certificate and deposit it in your system.
  h. In the *Connect Trading Partner to CIG* section, choose your *Authentication Type* to connect to Ariba Network:
     - *Basic*
       Enter your *Username* and your *Password* used for authentication.

       > **i Note**
       >
       > You need to get a special user from the Cloud Identity Service Registration to use this authentication method. To get this user, choose *Basic* and follow the instructions.
       >
       > You can reset the password from the Cloud Identity Service portal at https://aribaoperations.accounts.ondemand.com. Ensure that you use the same email ID that was used for creating the original account.
     - *Certificate*

Click in the *Authentication Certificate* field. This opens the certificate dialog. Add your certificate or reuse an existing one. If you want to reuse a certificate that you already added, choose it in the *Certificate Name* section.
The certificate must match the certificate that is configured for the Ariba solution to which you need to send the transaction document.

If you configure an HTTPS connection, the procedure ends here.

- **Additional steps for your AS2 connection**
  a. In the section *Connect To Trading Partner*, check *Use same URL for acknowledgment* or provide an *Acknowledgment URL*.
  b. Enter the *Trading Partner AS2 ID*.
- **Additional steps for your VAN connection**
  a. In the *Connect To Trading Partner* section, check *Use same URL for acknowledgment* or provide an *Acknowledgment URL*.
  b. Enter the *VAN AS2 ID*.
- **Additional common steps for your AS2 and VAN connection**
  a. Specify values for the following:
     - *MDN Type*
     - *MDN URL*
     - *S/MIME Type*
     - *Digital Certificate Encryption Algorithm*
     - *Digital Certificate Signing Algorithm*
  b. In the section *Connect Trading Partner to CIG*, check *Use same certificate for message encryption* or enter a *Message Encryption Certificate*.

Results

Click **Save** to send the connection details to the target system and the response from the target system back to customers. In future, when you want to create a new connection, you are presented with a table listing all the connections available for reuse. To reuse an existing connection, click the down arrow icon of the required connection in the table **Reusable Connections**. The selected connection is now available in the table **Connection Details** for reuse with modifications as needed.

> **i** Note
>
> To avoid conflicts when testing, the SAP Ariba Cloud Integration Gateway removes connections that are not compatible with the selected connection from the table **Reusable Connections** based on the document format and transport type.

Related Information

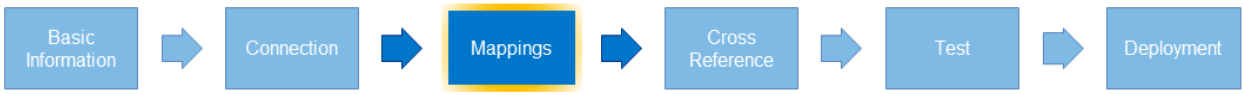
About the Ariba Network connections [page 23]
Testing the connection to Ariba Network [page 50]

All procedures at a glance [page 9]

How to configure data maps for incoming and outgoing transaction documents

Add one or multiple data maps to use them within an integration project for both, incoming and outgoing transaction documents.

Context



You defined the connection for this project in the previous step. Within this step you create mappings for every transaction document type you need for this project.

> **i** Note
>
> The mapping is not required for projects with cXML document format and you would be prompted to move to next step.

Procedure

1. Select **Add new Data Map** or choose an existing data map.
2. Click **Select** and then select **Edit** in the *Action* column.
3. Select the following:
   - *Direction*
   - *Document Format Version*
   - *Document Type*
4. Select **Save**.

Next Steps

Create another data map or select **Next**.

> **Note**
>
> When you add a new document type, SAP Ariba Cloud Integration Gateway adds a Technical Acknowledgement document type to **Mappings**. If you do not want to receive technical acknowledgement for this document type, delete the Technical Acknowledgement document type from **Mappings**.

Related Information

About mappings for transaction documents [page 27]
All procedures at a glance [page 9]

How to specify buyer and supplier information

Specify data for supplier as well as buyer for a specific project.

Context

In the previous step you created data maps and selected **Next**. In this step of the project wizard you add some project specific data for you and your buyer. You can either add a new cross reference or edit an existing cross reference. If the data is already defined in the master characteristic, those values would appear here.

> **Note**
>
> Cross references are not required for projects with cXML document format and you would be prompted to move to next step.

Procedure

Scenario: No cross references available for that project

1. Enter your cross references according to the document format you defined in step **Connection**:

UN-EDIFACT, ASC-X12, EANCOM 97, and EANCOM 2002	OAGIS
Trading Partner EDI Qualifier	*Trading Partner OAGIS ID*

UN-EDIFACT, ASC-X12, EANCOM 97, and EANCOM 2002	OAGIS
Trading Partner EDI Interchange ID	
Trading Partner EDI Group ID	

2. Select **Save**.

   Your cross references are saved. The next screen is for your customers' cross references.
3. Enter cross references for your customer according to the document format you defined in step **Connection**:

UN-EDIFACT, ASC-X12, EANCOM 97, and EANCOM 2002	OAGIS
Customer EDI Group ID	*Customer OAGIS ID*

4. Select **Save**.

   You see the *Cross References* overview table. Check in the *Cross References* overview table if your entries are correct.

Scenario: Project with multiple customers

5. Select **Add new Cross Reference** to add cross references for another customer.
6. Select the customer from the *Customer Name* dropdown in the *Environment: TEST* section.
7. Enter cross references for your customer according to the document format you defined in step **Connection**:

UN-EDIFACT, ASC-X12, EANCOM 97, and EANCOM 2002	OAGIS
Customer EDI Group ID	*Customer OAGIS ID*

8. Decide if you want to use the same values also in the production environment or enter the values for productive use in the *Environment: PRODUCTION* section.
9. Select **Save**.

   Check the result in the *Cross References* overview table and repeat these steps as necessary.

Scenario: Edit existing cross references

10. Click **Select** in the *Action* column and then select **Edit**.
11. Enter cross references for your customer according to the document format you defined in step **Connection**:

UN-EDIFACT, ASC-X12, EANCOM 97, and EANCOM 2002	OAGIS
Customer EDI Group ID	*Customer OAGIS ID*

12. Click the **Lookup Table** tab.
13. Select a document type.

    The associated document type and its template is displayed.
14. Enter the SAP Ariba and customer values for the parameters in the **TEST Environment** and **PROD Environment**.
15. Repeat steps 5 to 6 for each document type that you want to configure.
16. Click **Save** .

Next Steps

Create another cross reference or select **Next**.

Related Information

About buyer and supplier information [page 27]
All procedures at a glance [page 9]

How to confirm your project configuration

Review and confirm your project configuration before you go to the *Test* step.

Context

The *Configuration Confirmation* page displays all relevant data of your project as an overview. Review your configuration for each step, having the context of all steps at a glance.

Edit parts of your project selecting the pen symbol in the *Details* column.

Procedure

1. Review and edit your
   a. connection in the *Connection Details* section.
   b. VAN connection in the *VAN Connection Details* section.
   c. mappings in the *Transaction Documents for this Project* section.
   d. cross references in the *Cross References* section.
2. Select
   - **Confirm** to go on with the *Test* step.
   - **Close** to go back to the Home page and come back later for the confirmation.

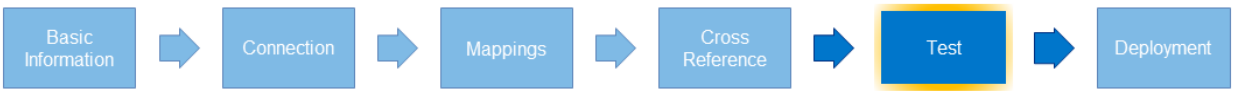
Related Information

All procedures at a glance [page 9]

How to test your project configuration

Test your configuration from the previous steps in a self service scenario.

Context



This step is to test your integration project before you deploy it to production. In addition to preselected test cases, select optional test cases according to your requirements. All selected test cases together are a test script. Your customized test script uses your configuration from the previous steps. Before testing your project configuration, you can do the following:

- Define master characteristics
- Create test script

> **i** Note
>
> You can configure only one test script for a project. This means, after you select **Run Test**, you cannot modify your test script or add other test cases. Even after the test is run, you can't change the test script.

Related Information

About test tools [page 50]
All procedures at a glance [page 9]

Editing and deleting an Ariba cloud integration project

You can delete or edit a project that is not yet deployed to production.

When editing or deleting a project there might be a reused certificate included. If you delete a project, the certificate will remain available for all other project that use this certificate. In case you delete all projects using the certificate, it will also be deleted.

When you edit a certificate within a project, you will be notified if you are changing a reused certificate. If you continue changing this certificate, be aware that this change is also valid for all other projects using this certificate.

1. Go to the *Home* page
2. Click on **Select** in the *Action* column.

3. Select
    - **Delete Project** and confirm the deletion.
    - **Edit Project** which leads you to the project wizard.

Managing authorization

You can create a new account, access your profile page, and change password from the SAP Ariba Cloud Integration Gateway.

You can manage your email and password authentication from the SAP Ariba Cloud Integration Gateway.

How to manage authorization

Context

Perform the following steps to create a new account and change your password and email:

Procedure

1. Navigate to **Menu** > **My Configurations** > **Authorization**.
2. Click **Create Account** for the **Cloud Identity Service User**.

   The message `Please check your emails for CIS registration. Registered email is : <your registered email id>` appears.
3. Click **OK**.
4. Check your registered email for an email from `notification@sapnetworkmail.com`.
5. To activate your account, click the **Click here to activate your account** link in the email.

   The **Please activate your user account** page appears.
6. Enter your password and click **Submit**.

   The **User account successfully activated** page appears.
7. Click **Continue**.

   The **Profile** page appears and displays the **User name** and **User ID**.

   To edit, click **Edit** or to sign out, click **Sign out**.
8. Navigate to **Menu** > **My Configurations** > **Authorization**.

   The **Cloud Identity Service User** now includes the User ID, for example P000XXX, the **Change Password** and the **Change Email** buttons.

9. To change the password, click **Change Password**.

   The **Change Password** dialogue box appears.
10. Enter the new password and click **Submit**.

    You can now log in to your SAP Cloud Identity account using the new password.
11. To change the email, click **Change Email**.

    The **Change Email** warning appears.
12. Click **Accept** to change the authentication email address to your login email address.

    Your email is updated.

> **i** Note
>
> This email address is used by CIG for transactional communication, when you select **Basic** as your **Authentication Type**.

How to manage connections, cross references, and certificates from the My Configurations page

Context

In the *My Configurations* page, you can manage connections, cross references, and certificates without editing your project.

In the *My Connections* area, you can edit a connection that you have already used in a project or delete a connection that is not longer used in any projects. You can also share your connections with another supplier, and also add shared connections. The modification to the connection in a project that is in production adds to the partner directory directly.

In the *My Cross References* area, you can edit a cross reference. To do so, you can use the edit icon provided for all the cross references that belong to the projects in the production state.

In the *List of Certificates* page, you can remove a certificate.

Procedure

1. Navigate to **Menu** > **My Configurations**.
2. In the *My Configurations* page, do one of the following:
   - Click **Connections**. In the *My Connections* area, you can create, share edit, or delete connections.
   - Click **CrossRefs**. In the *My Cross References* area, you can edit cross references and lookup tables of the projects that are in the production state.
   - Click **Certificates**. In the *List of Certificates* area, you can delete a certificate.

How to share connections with other users

Suppliers can share their connections with other suppliers. This is beneficial in scenarios in which the organizations have multiple offices and want their users to use the same connections.

Context

You can share your connections with other supplier users, by sharing a unique code that is generated for their ANID.

Procedure

1. Go to **My Configurations** > **Connections**.
2. Select a connection, and then click the share icon under the **Details** tab.

   The **Share Connection** popup appears.
3. In the **ANID** field, enter the ANID of the supplier with whom you want to share the connection.
4. Click **Share**.

   The **Share Connection** popup generates a code, and displays it next to **Code**.
5. Copy this code, and share it (through email or text) with your supplier with whom you want to share the connection.

> **i** Note
>
> This code is valid for fifteen minutes only. Your supplier user must use the code to add the connection within this time.

How to add shared connections

You can request other supplier users from your organization to share connections with you.

Context

To add a shared connection to your **Connections** tab, you must request for a code from the supplier who created it. This code is valid for fifteen minutes from its generation. Ensure that you use the code within this time, to add the shared connection.

Procedure

1. Go to **My Configurations** > **Connections**.
2. Click the Add icon next to **My Connections**.

   The **Add a Shared Connection** popup appears.
3. Enter the code that you received from the owner of the shared connection (through email or text), and then click **Add**.

   The shared connection that you added is now available in your **Connections** tab.

> **i** Note
>
> You cannot delete or edit a shared connection. A share icon in grey color displays next to the shared connections, and when you hover over this icon, it displays a tooltip indicating that it is a shared connection.

How to maintain values in the lookup table from My Configurations

Procedure

1. Select **My Configurations** > **CrossRefs** > **Lookup Table**.
2. Select a trading partner from the **Tradingpartner** drop down.
3. Click **Edit**.
4. Select the document type.
5. Select values for **Ariba value** and **Costumer value** from the drop down, for TEST and PROD.
6. Click **Save**.

   The new values get deployed.

Deploying a project to production

Read everything you need to know about project deployment, its prerequisites and how it works.

About project deployment

Deploy your project to use it in the production environment.

You can deploy a fully configured project to production. The move to production deploys all newly configured settings. Any existing setting will be retained.

How to schedule and activate the project on the production environment

This is the final step of an Ariba cloud integration project configuration.

Context

After you have completed all steps of the wizard, the final step is to schedule the deployment to production.

Procedure

1. Log in to SAP Ariba Cloud Integration Gateway.
2. Edit your project and go to the **Test** step.

   The **Project Self Test Results** page appears.

   > **i** Note
   >
   > A tick-mark under the **Pass/Fail** column indicates that the project has passed the self-test.

3. Select **Run Buyer Test** or **Skip Buyer Test**.

   The **Go Live** button is enabled.
4. Specify the date and time to schedule the deployment to production in *Mark Project Active On*.
5. Click **Go Live**.

Related Information

All procedures at a glance [page 9]

Tracking documents with SAP Ariba Cloud Integration Gateway

Keep track of your documents using a variety of criteria. SAP Ariba Cloud Integration Gateway retains the transactional data for 30 days in the test and production environments. If you attempt to search the data for longer periods, the **Transaction Tracker** defaults to the maximum allowed.

About tracking transaction documents

Use the monitoring for the following:

- Display all documents in a table, that match your search criteria. The table shows some information about the transaction.
- Display document details, which contain **Details**, **Activity**, and **Attachment Info**.
- Download source payload, target payload, attachments, MDN, or all files of a transaction.
- Download the complete list of search results as CSV.
- Reprocess transactions as a self-service.

Use the variety of search fields as it best fits your needs. The session saves your search criteria for the next time you return to the monitoring, as long as you are not closing the session.

Search Criteria	Description
Search From	Enter date and time from when the search should start.
To	Enter date and time until which the search should end.
Transaction Number	Enter a complete document number or a substring. Ensure that the search is case sensitive and you do not use wildcard characters.

Search Criteria	Description
Document Status	If you choose to type the status, it has to be an exact match to the values from the pull-down. Otherwise the search will not find anything. Use the following statuses: • *COMPLETED* Your transaction has been delivered to the final destination. • *ERROR* Your transaction has either been failing during processing or could not be delivered to the final destination. • *FAILED* Your transaction has either been failing during processing or could not be delivered to the final destination. • *PROCESSING* Your transaction is in an active process. The next status would be either *COMPLETED*, *FAILED* or *RETRY*. • *RETRY* Your transaction is in an automatically invoked loop. The delivery to the final destination ended with an error and is now retried 10 times with an timeout of 1 hour between each try. • *DUMPED* This transaction has been dumped. This is a technical acknowledgement that SAP Cloud Integration Gateway has supressed (dumped) from sending to your end-point, based on your project settings.
Document Type	Use this to narrow down search result to a specific document type. Use the supported document types listed in: About document types [page 4]
Sender	Enter the name or the Ariba Network ID of the sender. **i Note** The search is case sensitive and does not allow wildcard characters.
Receiver	Enter the name or the Ariba Network ID of the receiver. **i Note** The search is case sensitive and does not allow wildcard characters.

Downloads

You can download the files that are available for the specific transaction. Possible files are the source payload, the target payload,MDN (AS2), and the attachments. Download single transactions as well as multiple transactions at a time. Use the checkboxes and the button **Download** to select and start your download.

In case of XML validation errors, you can download the error report from the error message popup.

Reprocess Transactions

The most common use case for this function are transactions with status *Failed*. As there are other use cases possible the reprocessing function is unrestricted. With every try to reprocess a transaction a new transaction will be generated. This new transaction will have the same *Transaction Number* as the initial transaction. By searching for this *Transaction Number* you can keep track on all relevant transactions.

How to track transaction documents

You can use search criteria to track your documents.

Context

Ariba Network processes your document. This process can be tracked in the monitoring section of the SAP Ariba Cloud Integration Gateway. You can get a quick overview with the table below the search section or go into details by selecting a transaction.

Procedure

1. Go to **Transaction Tracker**.
2. Fill the form with your search criteria:
   a. *Search From* (date and time)
   b. *To* (date and time)
   c. *Transaction Number*
   d. *Document Status*
   e. *Document Type*
   f. *Sender*
   g. *Receiver*
3. Click **Search**.
4. Analyze the results. If needed, open the document details by selecting the **Transaction Number**.

Next Steps

- You can sort, as well as filter every column to adjust the result to your needs. Download the list of results with **Results Export**.
- Download the available files for a transaction using the checkboxes and the **Download** button in the search result table.

In case of XML validation errors, you can download the error report from the error message. To view the error message, click the error message icon in the Document Status column. From the error message popup, click **Download**.

- Reprocess transactions using the checkboxes and the **Reprocess** button in the search result table.
- If needed, discard all values with **Clear** and enter new criteria as in Step 2.

Related Information

All procedures at a glance [page 9]

About test tools

The testing functionalities are available as standalone tools.

Ensure that the connection to the Ariba Network, the message structure, as well as the transformation meets the requirements. The SAP Ariba Cloud Integration Gateway provides the necessary validation tools to perform these tests proactively or as part of the troubleshooting.

Testing the connection to Ariba Network

Use the **Connectivity Tool** to ensure your connection is working. The connection test is an independent feature that you can use standalone.

The **Connectivity Tool** tool tests the inbound transactions from your system to SAP Ariba Cloud Integration Gateway, and outbound transactions from SAP Ariba Cloud Integration Gateway to your backend system. After you execute a connection test on this tool, the tool displays the status of the test. If there is an error in the connection, the tool displays error message, error codes, and troubleshooting links to address your connectivity issues. You can edit the connection and save the details to start testing the connection.

How to test a connection on the Connectivity Tool

Procedure

1. Select **Connectivity Tool** from the navigation menu or the dashboard on the **Home** page.

   The **Connectivity Tool** screen opens.
2. In the **Connection Name** field, select a connection.
3. In the **Environment** field, select your environment.
4. In **Direction**, check **Outbound** to test transaction sent from SAP Ariba Cloud Integration Gateway to your backend system.
5. Check **Inbound** to test transaction sent from your backend system to SAP Cloud Integration Gateway.

   The **IP Address** field appears.
6. Enter your IP address in the **IP Address** field.
7. Click **GO**.
   The **Connectivity Tool** tests the connection between your backend system with SAP Ariba Cloud Integration Gateway, and displays the result for outbound and inbound transactions as follows.
8. If your connection test failed and you want to troubleshoot the error, do the following:
   - For **Outbound** connection errors, click **View more details** to view the details of the error. To view your server response, click **View server response**.

- For **Inbound** connection errors, enter the error code (that appeared in your backend system), in the search box.

The screen displays the troubleshooting details in the following fields:

- **Symptom**
- **Problem**
- **Description**
- **Solution**

Validating documents

Use the **Document Validator** tool to perform schema validation, transformation test and content validation. This tool validates schema and the content of the source document, tests the mapping transformation and displays a result message.

You can select from the following available validation options:

- **Content Validation** - Validates the source document against SAP Ariba specific requirements, displaying the recommendations in your format.
- **Transformation** - Transforms the source document into the destination document selected, and includes all the extensions, hotfixes, and customizations done to the document.
- **Schema Validation** - Performs outbound schema validation to the resultant document of the transformation, providing any schema error in the destination format.

> **i** Note
>
> The **Document Validator** tool performs schema validation on source messages for all documents, by default. Therefore, it does not display an option for schema validation for source message, in the options.

How to validate documents

Procedure

1. Select **Document Validator** from the menu or the dashboard.

   The **Document Validator** tool opens.
2. Paste your source message in the **Source Document** field.

   The **Source Document Type** field displays the document standard, version, and type of the source message.

   The tool displays the following validation options:

   - **Content Validation**

- **Transformation**
- **Schema Validation**

3. Select the validation options that you want to perform on the source message.
4. Select the corresponding **Target Document Type**.
5. Click **Execute**.

Results

The **Document Validator log** tab displays details such as, step name, status, and step summary.

The **Result Document** tab displays the result message.

Next Steps

If you want to start another validation with different values, select **Clear**, and start with Step 2.

How to view the custom mapping changes

Procedure

1. Go to **Document Validator**.
2. Validate the documents. For more information, see the *How to validate documents* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers* guide.
3. Go to **Results** > **Document Validator Log** > **Step Summary** > **Custom Mapping Transformation** .
4. Click the zoom icon next to **Custom Mapping Transformation**.

   The **Mapping Differences - 'Custom Mapping Transformation'** page opens to display the standard mappings and custom mappings in two different panes. This split view uses red and green colors to highlight the changes in the mappings. The deletions in the standard mappings are in red, and the additions in the custom mappings are in green. Use the navigation keys to scroll through the mappings.

How to view validation errors

Context

Validate your documents and then view details of the errors if there are any validation errors.

Procedure

1. Go to **Document Validator**.
2. Validate the documents. For more information, see the *How to validate documents* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers* guide.
3. Go to **Results** > **Document Validator Log** > **Step Summary** .
4. Click the zoom icon under **Step Summary**.

   The screen displays the document that was validated. To improve the visibility of the validation errors, the screen:
   - displays the number of validation errors, at the top of the document.
   - highlights the data elements that have errors, in yellow color.
   - displays the ? symbol in red color, at appropriate places to indicate errors.
   - displays the error codes and error messages, when a user clicks the ? symbol.

Troubleshooting information

This section provides information on troubleshooting some of the common errors that suppliers encounter while integrating with Ariba Network using SAP Ariba could Integration Gateway.

Checking for errors in the documents [page 54]

SSL handshake overview [page 61]

General SSL errors [page 64]

Checking for errors in the documents

This section provides information on how to check for errors that may occur in the transaction documents sent to Ariba Network using SAP Ariba Cloud Integration Gateway. Suppliers can look for the document errors in the Transaction Tracker in SAP Ariba Cloud Integration Gateway, and in the Inbox or the Outbox in Ariba Network.

Transaction Tracker

You can use the **Transaction Tracker** for tracking errors in the documents that you send and receive from Ariba Network using SAP Ariba Cloud Integration Gateway. For information on **Transaction Tracker**, see Tracking documents with SAP Ariba Cloud Integration Gateway [page 46] section. Perform a search on the **Transaction Tracker**. For details, see How to track transaction documents [page 48].

Under the **Document Status** column, the **Failed** status displays a **!** symbol in red color. When you click on this symbol, a popup displays the error.

The errors can be due to:

- **XML validation errors (structural or segment errors)**
  The popup displays a Download button to allow the user to download the document that has validation errors. The downloaded document highlights the following errors:
  - Document Standard – the document standard being passed
  - Application Reference – document in scope
  - Xpath – where the error is located
  - Error Text – the issue with the document and what needs to be fixed
- **Business rules validation errors**
  The popup displays details such as error message, error code, suggested action etc.

Ariba Network

Some of the errors related to buyer transaction rules are captured in Ariba Network supplier portal, and are not available in SAP Ariba Cloud Integration Gateway. For those errors, you can set up email notification. You may also logon to your Ariba Network supplier account, using your login credentials at https://supplier.ariba.com, and verify manually. You can check the status of the documents that you sent and received from the **Outbox** and **Inbox** tabs.

For documents with the **Failed** and **Acknowledged** status, click the document, and then open the **Detail** tab to see details of the error.

Common errors in transaction documents [page 55]

Common errors in transaction documents

This section lists the common errors that occur in the transaction documents and provides their resolution.

Common errors in Advanced Shipment Notice [page 55]

Common errors in Order Confirmation [page 57]

Common errors in Invoice [page 58]

Common errors in EDI documents [page 60]

Common errors in Advanced Shipment Notice

This section lists the common errros that suppliers encounter while sending the Advanced Shipment Notice documents.

Error message	Reason	Resolution
The Global Individual Asset ID format is invalid at ship notice item 00010.	Buyer transaction rule is set as Global Individual Asset ID must follow the Serial Shipping Container Code (SSCC) format.	Set the value of MAN01to ZZ, and follow the Serial Shipping Container Code (SSCC) format for MAN02 .
The Global Individual Asset ID format is not unique at ship notice item 00010.	Buyer transaction rule is set as Global Individual Asset ID must be unique for each ASN.	Set the value of MAN01to ZZ and assign a unique value for MAN02 for each ASN.
Invalid content was found starting with element 'Description'. One of '{PackagingCode, Dimension}' is expected.	Physical details of the package are required, and at least one dimension of the package must be present.	Provide the packaging Code PO404, and enter a minimum of one of the dimensions from PO406 -PO413.
No Error message. Item/package details are present in ASN EDI but not being translated to Ariba Network cXML.	Possible due to one of the following reasons: • BSN05 is set to 0004 • HL04 at Shipment level is set to 0 • HL04 at Order level is set to 0 • HL04 at Package level is set to 0	Set BSN05 to 0001 to capture package details • Set HL04 to 1 at shipment level. • Set HL04 to 1 at order level. • Set HL04 to 1 at package level.

Error message	Reason	Resolution
Duplicate packing slip ID is not allowed.	ASN with same Shipment ID has already been accepted by Buyer.	Use a unique Shipment ID(`BSN02`) for each ASN.
orderId F6A-5500 in OrderReference element does not match the original orderID N6A-5500 in PO.	Purchase order reference is not correct, or the purchase order does not exist in SAP Ariba Network.	Verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference PRF segment has the correct Purchase Order number and Purchase Order date (BEG03 and BEG05 from PO 850).
Cannot find the reference PO.	Purchase Order reference is not correct, or the purchase order does not exist in SAP Ariba Network.	Verify if PRF segment is present and verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference PRF segment has the correct Purchase Order number and Purchase Order date (BEG03 and BEG05 from PO 850).
Line number 10 is invalid.	Purchase Order line number is incorrect and does not match with what is present in the Purchase Order.	Ensure that the SN101 matches with PO10 from 850. LIN has PL qualifier(= PO line number) and its value must match with PO101 from 850
No shippable quantity for line item 10.	Line item has already been shipped.	Verify if ASN for the line number has already been processed in Ariba.
Invalid line number string in ShipNoticeItem.	Space or some invisible character in the line number.	Remove the space or invisible character in SN101 or LIN01.
Buyer does not allow you to send ship notice for item 10	ASN is not allowed for that line item by Buyer	• Verify if the Purchase Order has control key set for not allowing ASN : N9*KD*ASNValue*notAllowed~ • Verify is the buyer transaction rules are set for not allowing ASN.
Buyer does not allow you to send ship notice for item 10 without confirmation.	Order Confirmation is mandatory to be sent prior to Shipment Notice.	Send the Order Confirmation prior to sending the ASN for the line item in the Purchase Order.
Order confirmation is required.	Order Confirmation is mandatory to be sent prior to Shipment Notice.	Send Order Confirmation prior to sending the ASN the line item in the Purchase Order.
Order ID matches multiple purchase orders.	Multiple new or active Purchase Orders with the same Purchase Order number.	Inform the buyer not to send multiple new Purchase Orders with the same Purchase Order number. Or, send the updated version of Purchase Order with same Purchase Order number, and not a new Purchase Order.
An item has a control key disallowing ShipmentNotice.	The Purchase Order has ASN set to 'not allowed' for the line item.	Verify if the Purchase Order has control key set for not allowing ASN : N9*KD*ASNValue*notAllowed~
The Purchase Order already shipped completely.	The Purchase Order has already been fully shipped.	Send the ASN for an unfulfilled Purchase Order.

Common errors in Order Confirmation

This section lists the common errors that suppliers encounter while sending the Order Confirmation documents.

Error message	Reason	Resolution
An item has a control key disallowing order confirmation.	The Purchase Order has Order Confirmation set to 'not allowed' for the line item.	Verify if the Purchase Order has the control key set for not allowing Order Confirmation: N9*KD*OCValue*notAllowed~
Cannot send 'new' ConfirmationRequest for previously updated line item 2.	ConfirmationRequest has already been sent for the line item.	Updated ConfirmationRequest should be sent with 'Replace' BAK01 must be "05" New ConfirmationRequest has BAK01 as 00.
Buyer does not accept order confirmations at the line-item level for material orders. You must confirm or reject the entire order.	Buyer transaction rule is set as suppliers can only confirm or reject the entire material order.	Verify the buyer transaction rule. To confirm or reject the entire order BAK02 can be AT or RJ only.
Previous confirmation can not be found.	ConfirmationRequest has been sent with Replace and not as New. And there is no Order Confirmation present with same number in Ariba Network.	Updated ConfirmationRequest can be accepted in Ariba Network only if already a new Order Confirmation has been sent with same number to Ariba Network. New ConfirmationRequest has BAK01 is 00, Replace' BAK01 must be "05".
Quantity [x] for ConfirmationItem for line number 10 must match the original order [y]	Quantity ordered in the Order Confirmation must match with what is present in the Purchase Order.	Ensure that PO102 of OC855 matches PO102 of PO850
orderId xxx in OrderReference element does not match the original orderID yyy in PO.	Purchase order reference is not correct, or the purchase order does not exist in Ariba Network.	Verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference BAK segment has the correct number and Purchase Order date (BEG03 and BEG05 from PO 850).
Cannot find the referenced PO xxxxx.	Purchase order reference is not correct, or the purchase order does not exist in Ariba Network.	Verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference BAK segment has the correct Purchase Order number and Purchase Order date(BAK03 AND BAK04 of OC 855 must match BEG03 and BEG05 from Purchase Order 850).
shipmentDate/deliveryDate attribute does not apply to rejected item.	Shipment date and Delivery date is present in a reject Order Confirmation.	Estimated Delivery Date is not applicable for rejected orders. Verify if DTM segment is present with DTM01 as 017, or if shipmentDate present on 068 Qualifer in ACK segment.

Error message	Reason	Resolution
UnitPrice is not allowed in Confirmed status.	Unitprice element is sent in Confirmation PO1 or the Supplier has changed the price or currency on order confirmations.	• Ensure that the PO1 segment does not contain the unit price. It should only have PO101/102/103. • Verify that the buyer transaction rule for not changing the unit price and, ensure that the unitprice is not changed in Order Confirmation. Verify the `CTP*AS*CHG*100~` segnents for price change.
Comments are required when an order confirmation line item has changes for line 10.	Buyer transaction rule is set as suppliers to enter a comment at the order confirmation line item level when there are any changes.	Ensure that the N9*L1 segment is present at line item level in the following format: N9*L1**Reason~ MSG*Unable to supply etc etc ~
Cannot find line number 20 in purchase order xxxxxxx.	Purchase Order line number reference is not matching with the Purchase Order.	Ensure that the PO101 matches with PO101 from PO 850.
Order ID xxxxx matches multiple purchase orders.	Multiple new or active Purchase Orders with same Purchase Order number exists.	Inform the buyer not to send multiple new Purchase Orders with the same Purchase Order number. Or, send the updated version of Purchase Order with same Purchase Order number, and not a new Purchase Order.
Delivery date is not specified for purchase order line item numbers: x.	Buyer transaction rule is set to mandate delievry date in order confirmation.	Estimated Delivery Date is required at line item. Verify that the DTM segment is present with DTM01 as 017.
The delivery date you entered is outside the range (2016-05-01 01:00:05 America/Los_Angeles - 2019-01-30 00:00:05 America/Los_Angeles) allowed by the buyer.	Delivery date is outside the date range defined in the Purchase Order.	The Order Confirmation date range comes in the Purchase Order in form of control keys. Due date in Order Confirmation must be within that range. Refer to the Purchase Order for the following segments: N9*KD*OCValue*allowed~ N9*KD*OCLowerTimeToleranceInDays*999~ N9*KD*OCUpperTimeToleranceInDays*005~

Common errors in Invoice

This section lists the common errors that suppliers encounter while sending the Invoice documents.

Error message	Reason	Resolution
The unit price on invoice line 1 does not match the unit price on the order line 1 for purchase order 11111111 and it exceeds the unit price tolerance limit specified by the buyer.	Mismatch in unit price from Purchase Order to Invoice. also, it is crossing the tolerance limit set in buyer's transaction rules.	Ensure that the price basis quantity CTP segment and IT1 segment elements price, and uom are matching with Purchase Order: IT103 UOM IT04 unit price CTP*WS***1*EA*CSD*1~.

Error message	Reason	Resolution
The advanced pricing details on the invoice line 00010 do not match the advanced pricing details on order line 00010 for purchase order 1111111.	Mismatch in the unit price/uom or, the price basis quantity from Purchase Order to the Invoice. Also, it is crossing the tolerance limit set in buyer's transaction rules.	Ensure that the price basis quantity CTP segment and IT1 segment elements price, and uom are matching with Purchase Order: IT103 UOM IT04 unit price CTP*WS***1*EA*CSD*1~.
Cannot create a non-PO invoice with pricing details.	Purchase order reference is not correct, or the purchase order does not exist in Ariba Network.	Verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference BEG03 and BEG04 has the correct Purchase Order number and Purchase Order date.
The Ship To information is missing or incomplete in the invoice header.	The buyer needs the ShipTo information in the Invoice.	Ensure that the RemitTo information is present in the Invoice: ShipTo N101 EDI identifier code is "ST".
The Ship From information is missing or incomplete in the invoice header.	The buyer needs the ShipFrom information in the Invoice.	Ensure that the RemitTo information is present in the Invoice: ShipFrom N101 EDI identifier code is "SF"
The Remit To information is missing or incomplete.	The buyer needs the RemitTo information in the Invoice.	Ensure that the RemitTo information is present in Invoice: remitTo N101 EDI identifier code is "RI"
The InvoicePartner contact buyerCorporate is not a valid value.	Verify the "Contact Roles" for InvoicePartner are Ariba Network valid values.	Ariba Network allows only four type of contact roles for InvoicePartner in the Invoice. Please ensure to send only from the following list: • issuerOfInvoice N101 EDI identifier code is "II" • soldTo N101 EDI identifier code is "SO" • billTo N101 EDI identifier code is "BT" • remitTo N101 EDI identifier code is "RI"
The InvoicePartner contact supplierCorporate is not a valid value.	Verify the "Contact Roles" are AN valid values.	Ariba Network allows only four type of contact roles for InvoicePartner in the Invoice. Please ensure to send only from the following list: • issuerOfInvoice N101 EDI identifier code is "II" • soldTo N101 EDI identifier code is "SO" • billTo N101 EDI identifier code is "BT" • remitTo N101 EDI identifier code is "RI"

Error message	Reason	Resolution
This customer does not accept invoices for orders sent outside of Ariba SN.	Purchase order reference is not correct, or the purchase order does not exist in SAP Ariba Network.	Verify if the purchase order is present in Ariba Network and ensure that the Purchase Order reference BEG03 and BEG04 has the correct Purchase Order number and Purchase Order date.
Order ID 4507386756 matches multiple purchase orders.	Multiple new or active Purchase Orders with the same Purchase Order number.	Inform the buyer not to send multiple new Purchase Orders with the same Purchase Order number. Or, send the updated version of Purchase Order with same Purchase Order number, and not a new Purchase Order.
Reference to previous invoice is required for line-item credit memo.	Buyer transaction rule is set to provide invoice reference in the credit memo.	Ensure that the reference to the invoice is present in the invoice at the header level : REF*I5*invoicenumber
Reference to previous invoice is required for credits.	Buyer transaction rule is set to provide invoice reference in the credit memo.	Ensure that the reference to the invoice is present in the invoice at the header level : REF*I5*invoicenumber
An invoice with the Invoice ID XXXX has already been received.	Buyer transaction rule is set to provide unique invoice id for each successful invoice.	Verify the transaction rule for buyer, if Invoice ID can be re-used or not.
The invoice net payment terms do not match the net payment terms in the PO.	Buyer Transaction rule is set as payment term Purchase Order to match from Invoice	Verify if the payment terms ITD segment in invoice is exactly same as it is in the Purchase Order.

Common errors in EDI documents

This section lists the common errors that suppliers encounter while sending the EDI documents.

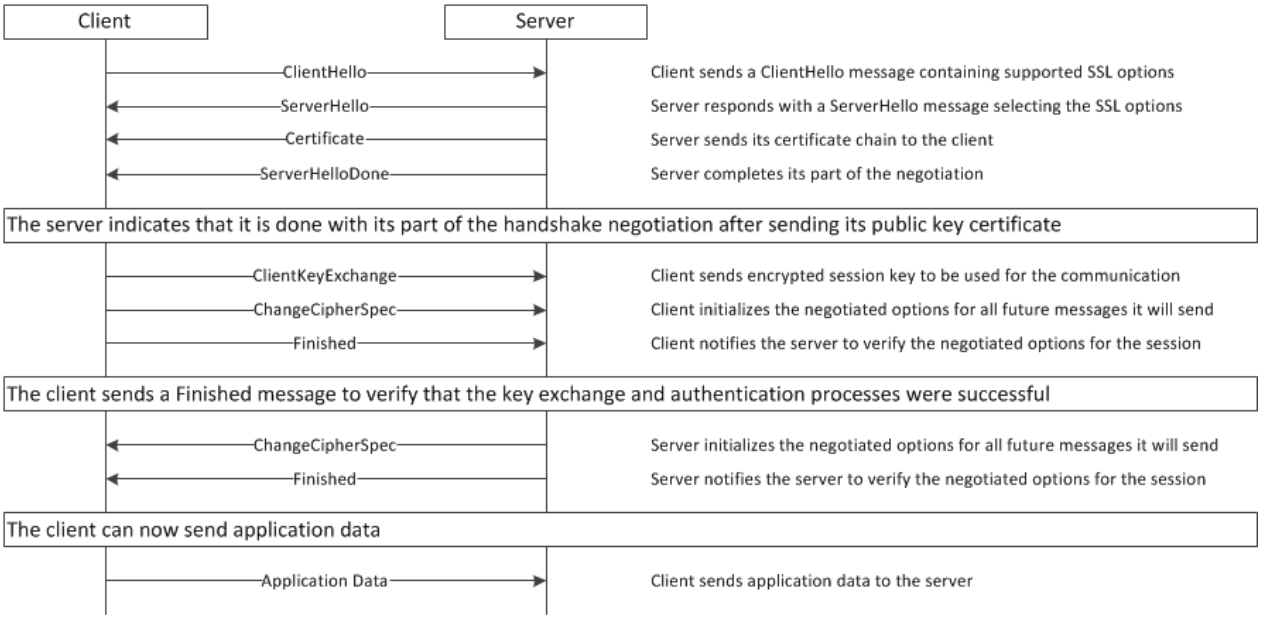
Error message	Reason	Resolution
Data element is too long.	Data length is more than the maximum allowed limit.	Verify the segment mentioned in the xpath, above the error message. Check the data element max length in EDI guide PDF.
Segment not in proper sequence.	The segment is not in proper place as per the EDI standards.	Verify the segment mentioned in the xpath, above the error message. Check the data element max length in EDI guide PDF.
Number of included segments does not match the actual count.	Incorrect count of segments.	Verify if the segment count under GS segment is correct.
Too many data elements.	The segment has more data elements than that is defined in the standards.	Verify the segment mentioned in the xpath, above the error message. Check the data element max length in EDI guide PDF.

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.



The SSL handshake has the following messaging components:

ClientHello

When a client first attempts to connect to an SSL server, it initiates the session by sending a `ClientHello` message to the server. The `ClientHello` message starts the SSL communication between the two systems.

The `ClientHello` message contains some of the following components:

Component	Content
Version	The version field contains the highest SSL version that the client supports.
Random	A random number generated by the client.
Session ID	An arbitrary sequence of bytes chosen by the server; it identifies a particular SSL session. The client may attempt to resume a previously established session by sending a non-zero session ID.

Component	Content
Cipher Suites	Identifies the list of ciphers suites that the client supports.
Compression	Identifies the list of compression methods that the client supports.

ServerHello

If the server is able to find an acceptable set of algorithms, it responds to the `ClientHello` message with a ServerHello message. The server may use the `ServerHello` message to allow a resumed session.

The `ServerHello` message contains some of the following components:

Component	Content
Version	The version field contains the highest SSL version supported by both the client and server.
Random	A random number generated by the server.
Session ID	Identifies a particular SSL session. If the client sends a non-zero session ID and the server locates a match in its cache, the server attempts to respond with the same value as was supplied by the client, and resume the session using the same cipher suite.
Cipher Suites	Identifies the cipher suite chosen by the server from the list of ciphers that the client supports.
Compression	Identifies the compression method chosen by the server from the list that the client supports.

Certificate

The server sends its `Certificate` message containing the server's certificate or list of (chain) certificates, depending on the selected cipher suite.

ServerHelloDone

After sending its certificate, the server sends a `ServerHelloDone` message, indicating it is done with handshake negotiation.

ClientKeyExchange

The client sends the `ClientKeyExchange` message containing the `PreMasterSecret`. The `PreMasterSecret` is sent encrypted using the public key of the server.

`ChangeCipherSpec`

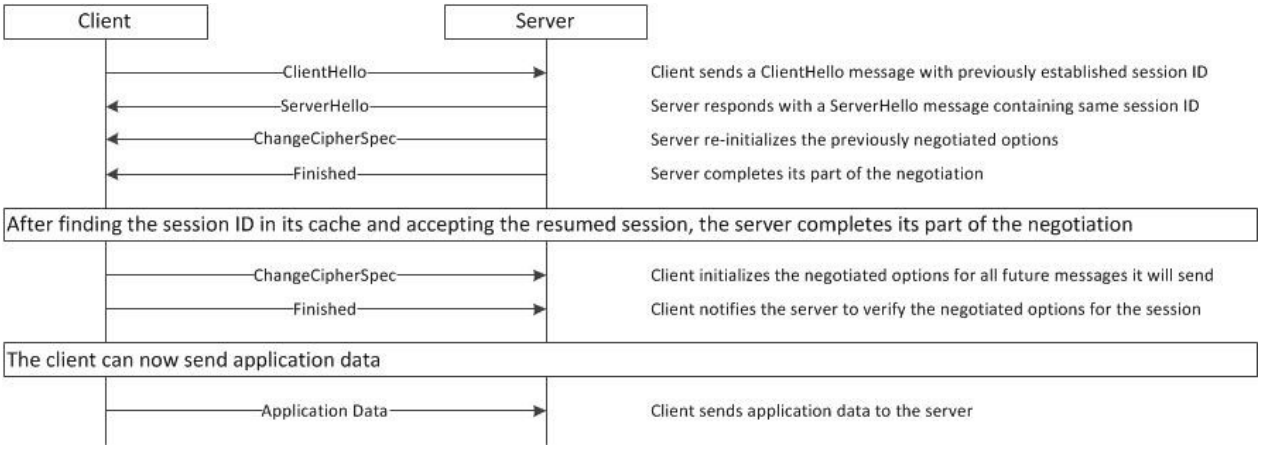
Both the client and server send the `ChangeCipherSpec` message after the security parameters have been determined. The ChangeCipherSpec message activates the negotiated SSL options for the session. From this point forward, all messages are authenticated and encrypted. This stage is significant as it indicates that subsequent records are protected under the newly negotiated `CipherSpec` and keys.

Finished

Each party sends a finished message under the new algorithm, keys, and secrets. The Finished message indicates that the handshake is complete, and the parties may begin to exchange application layer data.

Resumed SSL Sessions

A resumed SSL session implements session identifier (session ID) to reestablish a previously negotiated session. When an SSL handshake is resumed, the client presents the session ID from the previously negotiated session. If the server finds the session ID in its cache and accepts the resumed session, it sends back the same session ID and the parties skip the public key operation. If the server does not accept the resumed session, it issues a new session ID and implements the full SSL handshake.



General SSL errors

Record Version Mismatch: 02

This error could indicate that the client and server do not agree on the level of SSL to use (SSLv2, SSLv3, TLS). To check if a remote server supports a particular version, use OpenSSL to run the following command (which actually checks if SSLv2 is supported): `>openssl s_client -connect hostname:443 -ssl2`

If you get the following response, SSLv2 is disabled:

- 419:error:1407F0E5:SSL routines:SSL2_WRITE:ssl handshake failure:s2_pkt.c:428:
- 420:error:1406D0B8:SSL routines:GET_SERVER_HELLO:no cipher list:s2_clnt.c:450:

Peer sent alert: Alert Fatal: bad certificate

This error can occur when the SSL server is presenting an empty CA list, which causes the client to not present its certificate at all.

iaik.pkcs.PKCSException javax.crypto.BadPaddingException: Unknown blocktype

This error might be caused by a configuration where the private key and certificate do not match (that is, they are not a pair).

Server certificate rejected by ChainVerifier

Client was presented a certificate chain that it does not trust.

Here are potential causes and corrections:

Cause	Correction
The remote server's chain is not trusted	add the root CA certificate (or at least some intermediate CA certificate from that chain) to the Client truststore
The remote server is presenting a chain with an expired CA certificate	

Cause	Correction
The remote server is presenting a chain that is out of order	Per RFC 2246, a certificate chain that looks like this: `subjectCert > intermediateCAcert > rootCAcert` can be handed out as: `subjectCert > intermediateCAcert > rootCAcert` or `subjectCert > intermediateCAcert`. To test if a remote server's chain is out of order, use the following command: `> openssl s_client -connect hostname:port -verify 6 -showcerts` This command prints each certificate in the order it was presented. Upon examination, the certificate's issuer should match the next certificate's subject, until the root is reached. The root CA certificate's issuer equals its own subject. To resolve, the remote server administrator should reconfigure the chain being handed out.

Network troubleshooting techniques and utilities

When troubleshooting network-related troubleshooting, you can use the following techniques and utilities (often core OS-provided executables) to help diagnose the cause.

ipconfig / ifconfig

The ipconfig command (on Windows) or ifconfig command (on UNIX) provides the simplest means to list network interfaces, including IP addresses for a given host.

For example, on Windows:

Sample Code

```
D:\>ipconfig
Windows IP Configuration ...
Ethernet adapter Interface 1: Connection-specific DNS Suffix . :
IP Address. . . . . . . . . . . . : 192.168.1.102
Subnet Mask . . . . . . . . . . . : 255.255.255.0
Default Gateway . . . . . . . . . : 192.168.1.1
Ethernet adapter Interface 2: Media State . . . . . . . . . . . : Media
disconnected.
```

Using `ipconfig /all` gives the full details of each interface (including DHCP settings and DNS server).

ping

The ping utility is the simplest means to test network connectivity to a given IP address (either local or remote).

For example, on Windows:

Sample Code

```
D:\>ping myPartner.com
Pinging myPartner.com [69.147.125.65] with 32 bytes of data:
Reply from 69.147.125.65: bytes=32 time=19ms TTL=54
Reply from 69.147.125.65: bytes=32 time=39ms TTL=54
Reply from 69.147.125.65: bytes=32 time=27ms TTL=54
Reply from 69.147.125.65: bytes=32 time=28ms TTL=54
Ping statistics for 69.147.125.65: Packets: Sent = 4, Received = 4, Lost = 0 (0%
loss), Approximate round trip times in milli-seconds: Minimum = 19ms, Maximum =
39ms, Average = 28ms
```

Netstat

The `netstat` command can serve two primary purposes:

- It lists the various port numbers in use on the current host (for example, 443, 80) and their current state (for example, LISTENING); and
- It lists the various connections to and from this host and its various ports

Occasionally, corporate networks may be configured to only allow certain types of traffic (for example, HTTP or FTP) and a ping request fails. But typically, if a tcp-level ping works, then the foundation is there for other communications protocols to work.

telnet

Like the ping command, the telnet command can be used to test network connectivity to a given IP address and port on that IP address (either local or remote).

For example, from a Windows host, the following telnet response indicates that the local telnet client could not find a listening port 1520 on host myOracleHost:

Sample Code

```
D:\>telnet myOracleHost 1520
Connecting To myOracleHost...
Could not open connection to the host, on port 1520: Connect failed
```

But if that telnet command was pointed to a proper port number (for example, 1521), the console would clear (indicating the telnet session was established, and the client is awaiting the user to key in commands). In this sense, we are using telnet like a ping, but to a specific port number

Source IP Address

Every tcp request has a source IP address (that is, a "from" address) included on it when it reaches its destination. This address most likely is not the IP address shown when issuing an ipconfig command on the originating host.

Instead it is an "outbound" address, set by the network's Default Gateway or outbound proxy server. This information may be useful when the server-side network or application does IP-level filtering. There are public sites on the internet (for example, http://whatismyip.com) to which a browser can be pointed at, to provide this "outbound" IP address.

Intermittent Behaviors

Anytime there is an intermittent behavior (for example, a connection cannot be established, an established connection times out, or a request cannot find a desired resource), there could be numerous factors involved. But some common causes to keep in mind or investigate are:

- Timeout settings throughout the connection: settings on the client application, on the sending application, on components in between (such as firewall, proxy servers, load balancers) the two, etc.
- Request data sizes: consider the possibility that larger requests are causing a timeout in one of the components.
- Load-balancer presence: it could be that requests that are routed to one server node always work, but those routed to a second server node do not. To a client, this looks like an "intermittent failure".

How to troubleshoot common connection errors

Procedure

1. Check if there was a recent change or upgrade.

   If your server has stopped working after a recent upgrade it's possible that there might have been recent changes happened at your end. Verify with your technical- or network-team if there are any recent changes.
2. Check that you are using the correct URL.

   Ensure that your application has the correct URL defined (including the https protocol) to connect to SAP Ariba Cloud Integration Gateway.
3. Connection reset / Connection refused / Connection timeout.

   The http connection to the destination could not be established. This can be caused by missing Firewall clearances on the sender or receiver side or due to incorrect URLs in the communication channel.

HTTP error codes overview

HTTP errors are often caused by incorrect URLs, AS2 names, interconnected proxy servers, or too slow processing in a system. When accessing an application, every HTTP request that is received by a server is responded to with an HTTP status code. HTTP status codes are three-digit codes, and are grouped into five different classes.

The class of a status code can be quickly identified by its first digit:

- 1xx: Informational

- 2xx: Success
- 3xx: Redirection
- 4xx: Client Error
- 5xx: Server Error

> **i** Note
>
> Only the error codes 4xx and 5xx are described in the next chapters.

Client error overview

Client errors, or HTTP status codes from 400 to 499, are the result of HTTP requests sent by a HTTP client. Even though these types of errors are client-related, it is often useful to know which error code a user is encountering to determine if the potential issue can be fixed by server configuration.

Error Code	Description
400 Bad Request	The 400 status code, or Bad Request error, means the HTTP request that was sent to the server has invalid syntax.
401 Unauthorized	The 401 status code, or an Unauthorized error, means that the user trying to access the resource has not been authenticated or has not been authenticated correctly. This means that the user must provide credentials to be able to view the protected resource. An example scenario where a 401 Unauthorized error would be returned is if a user tries to access a resource that is protected by HTTP authentication if enters invalid username and password.
403 Forbidden	The 403 status code, or a Forbidden error, means that the user made a valid request but the server is refusing to serve the request, due to a lack of permission to access the requested resource.
404 Not Found	The 404 status code, or a Not Found error, means that the user is able to communicate with the server but it is unable to locate the requested resource.

Server error overview

Server errors, or HTTP status codes from 500 to 599, are returned by server when it is aware that an error has occurred or is otherwise not able to process the request.

Error Code	Description
500 Internal Server Error	The 500 status code, or Internal Server Error, means that server cannot process the request for an unknown reason. Sometimes this code appears when more specific 5xx errors are more appropriate.

Error Code	Description
502 Bad Gateway	The 502 status code, or Bad Gateway error, means that the server is a gateway or proxy server, and it is not receiving a valid response from the backend servers that should actually fulfill the request.
503 Service Unavailable	The 503 status code, or Service Unavailable error, means that the server is overloaded or under maintenance. This error implies that the service should become available at some point.
504 Gateway Timeout	The 504 status code, or Gateway Timeout error, means that the server is a gateway or proxy server, and it is not receiving a response from the backend servers within the allowed time period.

Migrating from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway

Introduction [page 70]

Migrating from SAP Ariba ASCx12 Legacy Translator to SAP Ariba Cloud Integration Gateway [page 71]

Introduction

Suppliers using the SAP Ariba ASCx12 legacy translator, must migrate to SAP Ariba Cloud Integration Gateway since the legacy translator will be made obsolete in future.

SAP Ariba Cloud Integration Gateway, enabled by SAP Cloud Platform Integration, gives you a fast, simple way to connect your SAP Ariba solutions, back-end systems, and trading partners. Intuitive self-service tools let you quickly configure, extend, and test processes, while automated upgrades and monitoring make it easy to keep transactions flowing smoothly.

Difference between the legacy and SAP Ariba Cloud Integration Gateway EDI [page 70]

Difference between the legacy and SAP Ariba Cloud Integration Gateway EDI

Extrinsic lookup is the main mapping change that has been introduced to support this migration from the legacy EDI translator.

The following sections list the differences in configurations that you need to make while migrating to SAP Ariba Cloud Integration Gateway.

AS2 ID

The AS2 ID used in SAP Ariba Legacy EDI translator in both the test environment and the production environment is `ARIBAEDI`, whereas SAP Ariba Cloud Integration Gateway uses `ARIBATEST` in the test environment and `ARIBA` in the production environment.

ISA ID (EDI interchange ID)

The EDI interchange ID used in SAP Ariba Legacy EDI translator in both the test environment and the production environment is `ARIBAEDI`, whereas SAP Ariba Cloud Integration Gateway uses `ARIBA` in the test environment and `ARIBAP` in the production environment.

AS2 connection parameters

Direct AS2 SSL authentication

SAP Ariba legacy EDI translator supports direct AS2 with the Certificate Authority (CA) certificate and self-signed certificates for SSL authentication in both test and production environments, whereas SAP Ariba Cloud Integration Gateway supports only the Certificate Authority (CA) certificates for SSL authentication in both test environment and Production environment.

SAP Ariba Cloud Integration Gateway supports self-signed certificate for signing and encryption in SAP Ariba Cloud Integration Gateway. Supplier systems must be TLS 1.1 / 1.2 compliant at all stages of connectivity/authentication (inbound or outbound).

The following is a list of AS2 connection certificates:

UAT Test Environment Certificate	Production Environment Certificate
SSL Certificate for Inbound to CIG: (Test) Public Certificate for TESTACIG.ARIBA.COM (RSA)	SSL Certificate for Inbound to CIG: (Prod) Public Certificate for TESTACIG.ARIBA.COM (RSA)
Signing/Encrypting Certificate for inbound to CIG: (Test) Public TenantClient Certificate for CIG TEST	Signing/Encrypting Certificate for inbound to CIG: (Prod) Public TenantClient Certificate for CIG TEST

VAN connection

SAP Ariba Legacy EDI translator supports VAN-to-VAN connection in both test and production environments, whereas SAP Ariba Cloud Integration Gateway does not support VAN-to-VAN. However, SAP Ariba Cloud Integration Gateway supports direct AS2 to VAN connection, and has direct AS2 connections with most known VAN providers.You can select a VAN provider while creating a project in SAP Ariba Cloud Integration Gateway. The **Connections** page allows you to select a VAN provider from the dropdown list. The VAN provider's AS2 ID must not include underscores.

Purchase Orders and Change Orders

SAP Ariba Legacy EDI translator only used EDI850 for both Purchase Order and Change Order.

SAP Ariba Cloud Integration Gateway also support EDI850 for both Purchase Order and Change Order. However, if EDI860 is used in the mapping, then Change Orders will translate to EDI860. If EDI860 is not selected in the mapping, then Change Orders from Ariba Network will be sent as EDI850.

Invoice line detail subtotal

SAP Ariba Legacy EDI translator used the `PAM segment` in Debit/Credit Invoices EDI810 since legacy translator calculates the line detail subtotal.

In SAP Ariba Cloud Integration Gateway, it is against the SAP policy to perform the calculation on behalf of a customer, so suppliers need to send their line subtotal under `PAM segment`.

Migrating from SAP Ariba ASCx12 Legacy Translator to SAP Ariba Cloud Integration Gateway

Hi-level steps about migrating from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway [page 72]

Enabling SAP Cloud Integration Gateway for B2B transaction [page 73]

Custom routing [page 74]

Creating a test account on Ariba Network [page 76]

Hi-level steps about migrating from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway

To migrate from the SAP Ariba ASCx12 legacy translator to SAP Ariba Cloud Integration Gateway, you must perform the following steps in the given order.

Step	Task	Descriptions
1.	Account administrator creates roles and users, and then assigns roles to the users to transact on Ariba Network.	For more details, see the *How to assign user permissions for the SAP Ariba Cloud Integration Gateway* in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.
2.	Account admin must enable SAP Ariba Cloud Integration Gateway.	For more information, see the *Configuring your Ariba Network account to access SAP Ariba Cloud Integration Gateway* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.
3.	Download the implementation guide.	Go to the **Resources** tab on SAP Ariba Cloud Integration Gateway and download the Implementation guide for X12.
3.	Configure AS2 connection.	For more information, see the *How to configure Ariba Network connection* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.
4.	Select a VAN.	For more information, see the *How to configure Ariba Network connection* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.
5.	Grant access to third party VAN providers.	Contact Ariba support to give permissions to the third-party VAN provider to gain access to SAP Ariba Cloud Integration Gateway and proceed with self-integration support model.
6.	New suppliers must enable SAP Ariba Cloud Integration Gateway for B2B transactions.	For more information, see Enabling SAP Cloud Integration Gateway for B2B transaction [page 73]

Step	Task	Descriptions
7.	(Optional) Configure custom routing	Ignore this step if you are using this ANID dedicated for one customer, or if you are a new user and logged in for the first time on Ariba Network. Perfom this step If you are already a supplier on Ariba Network and are transacting with other customers online and want to transact with a specific customer using a different routing method. For more information, see, Custom routing [page 74]
8.	Configure document routing	For more information, see the Document *Document routing* guide from the Learning center in Ariba Network.
9.	Create a test account on Ariba Network	For more information, see Creating a test account on Ariba Network [page 76].
	Repeat step 6, 7 and 8 in TEST environment.	You must accept the trading relationship request sent by your customer in Production, and then it will automatically connect to the TEST environment.
10.	Create a project on SAP Ariba Cloud Integration Gateway	For more information, see the *Configuring an Ariba cloud integration project* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.
11.	Select test scenarios from Test Central	Select specific test scenarios in the **Test Central** tool for self testing.
12.	Complete the testing Sign-off	Review completed test plan and verify that testing is completed.
13.	Switch to production account	Switch to your production account by clicking **Switch To Production** in the user menu and start using Ariba Network for your transactions.

Enabling SAP Cloud Integration Gateway for B2B transaction

After enabling SAP Cloud Integration Gateway from your Ariba Network account, you must specify the routing method for each of the transaction documents that you want to send in a non-cXML format.

How to set the routing method for transaction documents

Procedure

1. Log into your Ariba Network account.
2. Click **Company Account Settings** in the upper right corner of the dashboard.
3. Select **Electronic Order Routing**.
4. On the **Electronic Order Routing** page, go to **New Orders** and do one of the following:
    - If you are logged in from your test account, choose the **IntegrationGateway Test** routing method from the dropdown menu in the **Routing Method** column.
    - If you are logged in from your production account, choose the **Cloud Integration Gateway** routing method from the dropdown menu in the **Routing Method** column.

    > **i** Note
    >
    > You need to specify the routing method for each of the transaction documents that you want to send in a non-cXML format.

5. Click **Save** and then **Close**.

Custom routing

You might have customers with whom you transact on a non-Ariba Network business-to-business integration data format system. While there may be customers who use Ariba Network for transactions with you. You can continue to standardize your business processes using Ariba Network to transact with customers on Ariba Network, while retaining your existing infrastructure and processes.

Using an intermediary between Ariba Network and your system, your customers can map cXML documents from Ariba Network to the format required by you and route documents between your system and Ariba Network. To route customers' documents to the intermediary, your customers must configure a custom routing method.

Additional order routing methods are available if your customer has requested Ariba Network to provide you with custom routing methods. If you choose a custom routing method, documents are sent through a mapping process to or from cXML.

How to view the existing customer relationships

First check how many trading partners you are currently transacting with.

Procedure

1. Log on to your Ariba Network account.
2. Click **Company Settings** > **Customer Relationship** .

   The **Account Settings** > **Customer Relationships** page appears, with the **Current Relationships** tab selected.
3. Scroll to the **Current** section and view the current trading relationships.
4. Click **Close**.

How to view the default routing

Procedure

1. Log into your Ariba Network account.
2. Click **Company Account Settings** in the upper right cornerof the dashboard.
3. Select **Electronic Order Routing**.
4. On the **Electronic Order Routing** page, go to **New Orders**.
5. View the options selected under the **Routing Method** column for each of the document type.

How to configure custom routing

Use custom routing when there are more than one trading relationship and you do not want to change the default routing.

Context

Ensure you have enabled SAP Cloud Integration Gateway from your Ariba Network account. For more information see the *Configuring your Ariba Network account to access SAP Ariba Cloud Integration Gateway* section in the *SAP Ariba Cloud Integration Gateway how to guide for suppliers*.

Procedure

1. Log on to your Ariba Network account.
2. Click **Company Settings** > **Customer Relationship** .

   The **Account Settings** > **Customer Relationships** page appears, with the **Current Relationships** tab selected.
3. Scroll to the **Current** section.
4. Check the box for a customer, and click **Actions** > **Override Routing** .

   The **Override Default Routing** page appears.
5. Select **Customize routing preferences**, and then click **OK**.

   The Order Routing page appears.
6. Scroll to the **New Orders** section and do one of the following:
   - If you are logged in from your test account, choose the **IntegrationGateway Test** routing method from the dropdown menu in the **Routing Method** column.
   - If you are logged in from your production account, choose the **Cloud Integration Gateway** routing method from the dropdown menu in the **Routing Method** column.
7. Click **Next**.
8. Indicate whether to expose routing details to the customer. Choose **Yes** or **No**.
9. Click **Next**.
10. Click **Submit**.

    You return to the **Account Settings** > **Customer Relationships** page, with the **Current Relationships** tab selected.

    You can see that the routing type for the customer has changed to **Custom**.
11. Click **Save** , and then click **Close**.

Creating a test account on Ariba Network

Test accounts are optional and complementary Ariba Network accounts that allow organizations to test catalogs, purchase order generation, routing, and receiving before implementing the same settings on their production accounts.

For more information, see the *Using test accounts on Ariba Network* document from the Learning center in Ariba Network.

How to create a test account on Ariba Network

Procedure

1. Log in to your production account on Ariba Network.
2. Click the down arrow beside your user name and, click **Switch to Test ID**.
3. In the **Changing Account Mode** dialog box, click **OK**.

   If you have not used your test account before, Ariba Network prompts you for a new username and password.
4. Enter and confirm your test account username and password. Click **OK**.

   The username is the word **test** followed by your email. For example, test-username@example.com

   Ariba Network logs you in to your test account and shows **Test Mode** at the top of each page.

   Ariba Network copies company profile information from your production account to your test account. The rest of your test account settings are set to their default values. You can change these settings at any time. They do not affect your production account.

> **i** Note
>
> The users created in production for SAP Ariba Cloud Integration Gateway can access both the test and production accounts.

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