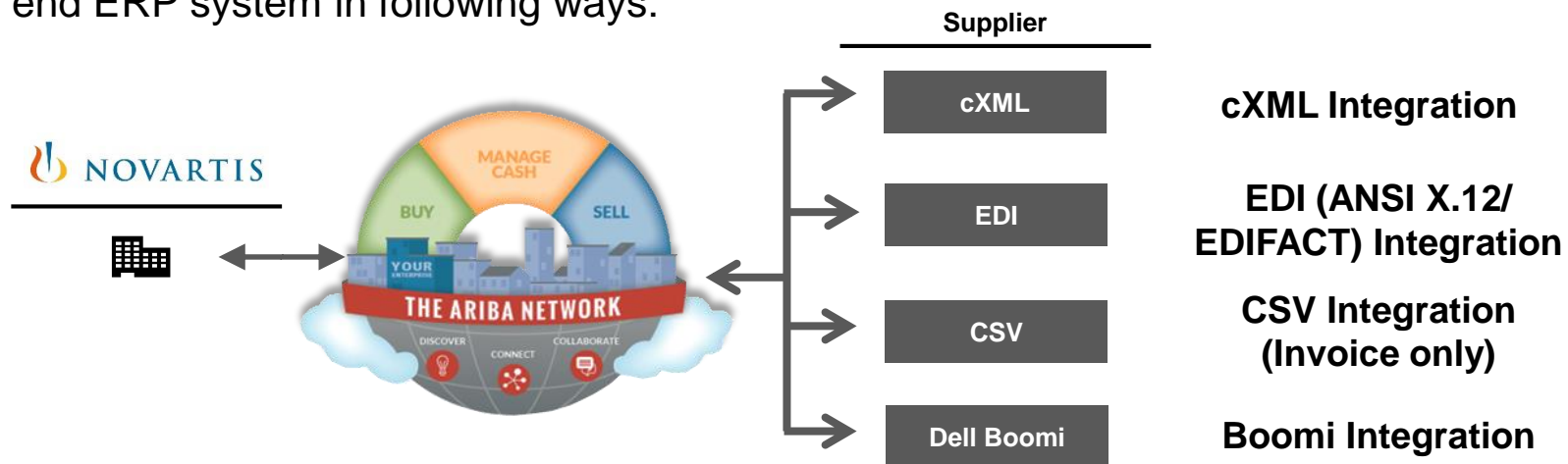


Ariba Network Introduction to Integration




Introduction

Regardless of how your buyer is connected to the Ariba Network, you may integrate your back-end ERP system in following ways:



Integration is recommended for suppliers with 300+ documents/year. In case your transactional volume is lower, we recommend submitting invoices online.

Integration options

Data Format (File format)	Recommended volume and infrastructure	AN Transaction Types Supported	Communication Protocol / Connection Type	Subscription level	Comments
cXML	> 500 docs/year • existing integration capability	All (Ariba supported)	HTTPS	Premier and above	<ul style="list-style-type: none"> Ariba Standard Must adhere to Ariba cXML guides
EDI - X.12	> 500 docs/year • existing EDI infrastructure	<ul style="list-style-type: none"> * 810 (Invoice) * 820 (Remittance advice) * 850 (Purchase Order) * 855 (Order confirmation) * 856 (Shipping note) * 997 (Acknowledgement) 	VAN / AS2 (Service Request needs to be submitted for connectivity setup)	Premier and above	<ul style="list-style-type: none"> Industry Standard Must adhere to the relevant Ariba EDI guide Following doc. types are NOT supported: Summary invoice with line item details, Credit note with line item detail, BPO
EDI – EDIFACT (D98A)	> 500 docs/year • existing EDI infrastructure	<ul style="list-style-type: none"> * ORDERS (Purchase Order) * INVOIC (Invoice) * DESADV (Shipping note) * CONTRL (Acknowledgment) 	VAN / AS2 (Service Request needs to be submitted for connectivity setup)	Premier and above	<ul style="list-style-type: none"> Industry Standard Must adhere to the relevant Ariba EDI guide Following doc. types are NOT supported: Summary invoice with line item details, BPO, Order Confirmation, Remittance Advice
CSV	> 500 docs/year • lack of infrastructure for cXML/EDI	Invoice only	Manual upload via AN	Premier and above	<ul style="list-style-type: none"> Only if Novartis enables this functionality CSV Format/template specific to a Buyer and cannot be used generically for another Buyer
 Boomi <ul style="list-style-type: none"> Flat file XML EDI Database 	> 500 docs/year • no need for additional Infrastructure/software	All (Ariba supported)	<ul style="list-style-type: none"> Database Disk FTP HTTP/S 	Enterprise (Dell Boomi Standard) or Enterprise Plus (Extended)	<ul style="list-style-type: none"> Very flexible Dell Boomi Supported SaaS and On-Premise Applications: <ul style="list-style-type: none"> Sage Peachtree Intuit Quickbooks Microsoft Dynamics Any other ERP/Package listed other than above will need to be build from scratch: <ul style="list-style-type: none"> Design/Requirements of Integration solution & Transactions Development by Ariba Testing Between Buyer-Ariba-Supplier Deployment

Prerequisites to start with integration

The following steps need to be completed before Integration:

- ❑ **Register on the Ariba Network** and configure your **Test** account
- ❑ Accept **trading relationship** with Novartis
- ❑ Identify **technical contact** from your company or from third party provider responsible for integration
- ❑ Create user access for your **technical specialist** in your Ariba account

For cXML/EDI an additional task is needed:

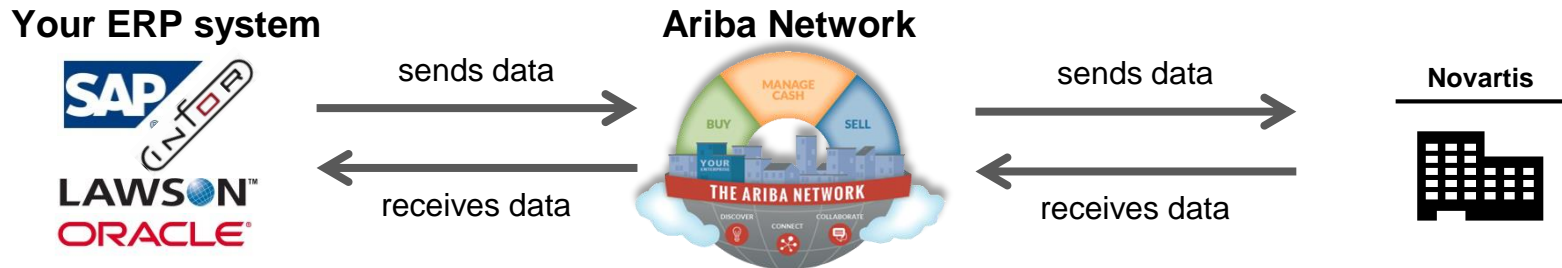
- ❑ Complete Integration **Checklist** and send it to your Supplier Manager from Ariba

Once all prerequisites have been completed, you will be contacted by our Integration specialist. Please note that each buyer might have different required fields and our specialist will guide you through the process.

Standard integration process takes **6 to 8 weeks**. It is recommended that you transact online via your Ariba account before integration is completed.

1. cXML/EDI

The benefit of Integration is that systems communicate with each other, without manual human intervention.



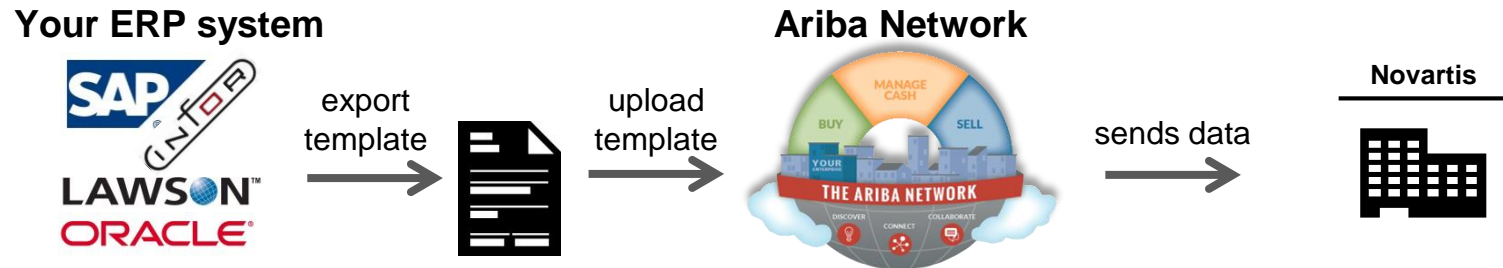
EDI integration is recommended, when you have an existing integration infrastructure. If you don't have an EDI infrastructure already, cXML is always recommended, as it is Ariba's native language without any limitations of scope or content.

To select the right integration type, please review the Integration options (slide 3) to verify transaction volume, supported documents and connection types.

For more information please check our Supplier Information Portal ([PROVIDE LINK](#)).

2. CSV

CSV is a special type of integration, that allows you to generate multiple invoices in a single CSV file. Please note that manual upload of CSV files to your Ariba account is needed.



CSV upload is possible **for invoices only** (routing of Purchase Orders can be setup separately), and no attachments can be added to your invoices. The CSV template is buyer specific and you can download it from your Ariba account in the Customer Relationships section.

3. Dell Boomi

Boomi is recommended to sellers with no EDI or cXML capabilities. It requires no additional resources and allows quick and efficient document exchange.

Your ERP system



sends data
in any format

receives data
in any format



Boomi

sends data
in cXML

receives data
in cXML

Ariba Network



sends data

receives data

Novartis



Dell Boomi facilitates mapping and communication between your ERP system and Ariba Network (under secure web services).

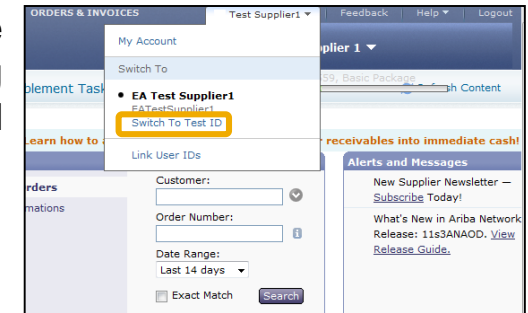
Please contact CommerceAssistance@ariba.com team to discuss pricing.

Tips for admin

Test account creation

Data integration requires testing, before you start transacting with real trading documents. Please set up your test account as per below.

To create a test account, select your name in top right corner and choose **“Switch to Test ID”**. Click **OK** when Ariba Network displays a warning indicating **You are about to switch to Test Mode**. Create **Username** and **Password** for your test account (first time only).



Test Mode indicator is displayed as below:



Your Test account should be configured to match your Production account - this will ensure the testing results are consistent with what will result in Production. Please follow steps from Configuration Guide for detailed account setup.

Tips for admin

Create a User

Your technical specialist will need to have access to your company's Ariba account.

To create a User, select your **company name** in top right corner and go to **Users**.

First create a **Role**, add ALL permissions that are needed for thorough testing (usually you add only the permissions that correspond to the user's actual job responsibilities) and type a descriptive Name.

Click on **Create User** button to create a new user, fill-in all required information and assign a role.

The same process needs to be repeated in Test account as well.

Account Settings

Customer Relationships | **Users** | Notifications | Account Hierarchy

Manage Users

Manage users for your Ariba account. If you enter an email alias, specify the alias owner's name and phone number.

Username ↑	Email Address	First Name	Last Name	Ariba Disc	Role Assigned	Visible To Customer
1agarza@ariba.com	agarza@ariba.com	Ale	Garza	No	AR role	No
tleal1@ariba.com	tleal@ariba.com	Tessie	Leal	No	Discovery (...)	No

Actions: Edit, Delete, Add to Contact List, Remove from Contact List, Make Administrator, **Create User**

Manage User Roles

Create and manage roles for your account. You can view or edit the details of a role. The Administrator role can be viewed, but cannot be modified or assigned to another user.

Role	Actions
Administrator	Details
AP Role	Details Edit Delete
AR role	Details Edit Delete
Discount Mgmt	Details Edit Delete
Discovery	Details Edit Delete

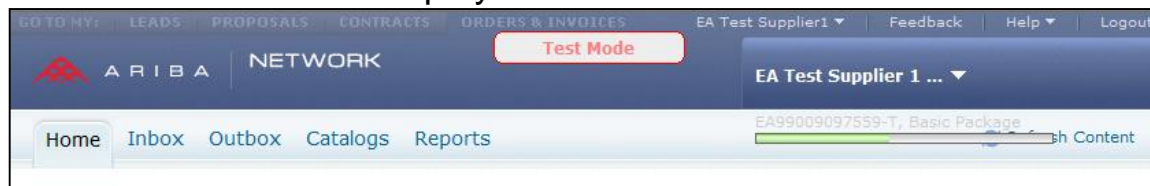
Create Role

Tips for technical specialist

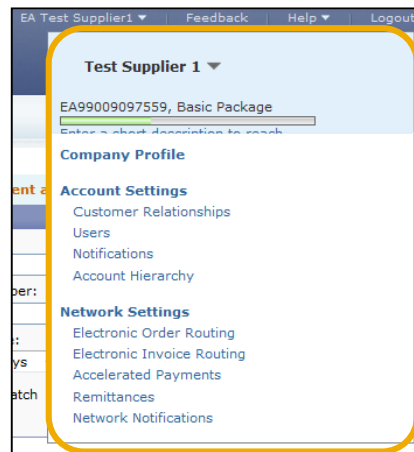
Account access

Once the administrator of your company's Ariba account provides you with access, you'll have two different credentials for your Production and your Test account. You can login to both of these accounts under <http://supplier.ariba.com>.

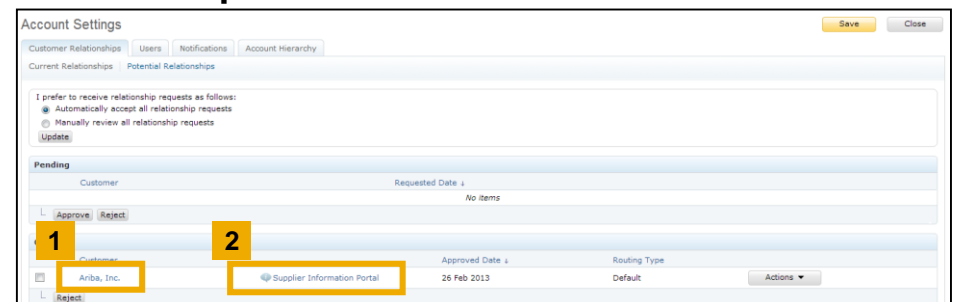
Test Mode indicator is displayed as below:



If you click on your company's name in top right corner, you can access the **Administration Navigator**.



If you haven't received Integration technical documentation, you may find it in our **Supplier Information Portal**. Click on your company's name in the Administration Navigator and go to **Customer Relationships**.



Tips for technical specialist

Account configuration

cXML configuration is available in **Electronic Order Routing** section.

Configure cXML setup by clicking at the link at the top – including **Shared Secret**.

Also configure routing method for orders. Invoice setup is available in the **Electronic Invoice Routing** section.

The screenshot shows the 'Network Settings' page. At the top, there are tabs: 'Electronic Order Routing' (highlighted with a yellow box), 'Electronic Invoice Routing', 'Accelerated Payments', and 'Settlement'. Below the tabs, there is a section 'Capabilities & Preferences' and a 'cXML Setup' section with a link 'Configure cXML setup' (highlighted with a yellow box). Below this, there is a section 'Non-Catalog Orders with Part Numbers' with a checkbox 'Process non-catalog orders as catalog orders'. Underneath, there is a table with columns 'Document Type' and 'Routing Method'. The table has two rows: 'Catalog Orders without Attachments' and 'Catalog Orders with Attachments'. For 'Catalog Orders without Attachments', the 'Routing Method' dropdown is open, showing options: 'Email', 'Online', 'cXML' (highlighted with a blue bar), 'EDI', and 'Fax'. An arrow points from the 'Configure cXML setup' link to the 'cXML' option in the dropdown. Another arrow points from the 'Electronic Invoice Routing' tab to the 'Electronic Invoice Routing' section below, which also has a yellow box around its tab. This section has a 'Sending Method' table with columns 'Document Type' and 'Routing Method'. The 'Invoices' row has a 'Routing Method' dropdown with options: 'Online', 'cXML' (highlighted with a blue bar), and 'EDI'. A third arrow points from the 'Electronic Invoice Routing' tab to the 'cXML' option in this dropdown.

The screenshot shows the 'Test Supplier 1' account settings menu. The menu items are: 'EA99009097559, Basic Package', 'Company Profile', 'Account Settings', 'Customer Relationships', 'Users', 'Notifications', 'Account Hierarchy', 'Network Settings' (highlighted with a yellow box), 'Electronic Order Routing' (highlighted with a yellow box), 'Electronic Invoice Routing' (highlighted with a yellow box), 'Accelerated Payments', 'Remittances', and 'Network Notifications'. An arrow points from the 'Network Settings' item to the 'Electronic Invoice Routing' item.

Please don't forget that your Test account should be configured to match your Production account - this will ensure the testing results are consistent with Production.

Detailed steps are available in Account Configuration guide.

Tips for technical specialist

Service Request

EDI connection requires a service request to establish connectivity. To submit a ticket, log into your account. Click the **Help** link in top right corner. Click **Help Center** and go to **Support section**. Search for “EDI connectivity” and click button **Create Online Service Request**.

Fill out our webform, select Problem Type, note **<buyer>** in the Issue Description and click **Submit**.

The image shows a sequence of three screenshots from the Ariba Exchange User Community interface, illustrating the steps to create a service request.

First Screenshot (Left): Shows the top navigation bar with 'Help' and 'Logout' links. The 'Help Center' link is highlighted with a yellow box. Below it, the 'Contact Administrator' link is visible. A 'Refresh Content' button is at the bottom.

Second Screenshot (Middle): Shows the 'Support Center' page. The 'Support' link in the top navigation bar is highlighted with a yellow box. A search bar contains the text 'invoices'. Below the search bar, there are 'Best Matches' and 'Common Troubleshooting Tags' sections. The 'Create Online Service Request' button is highlighted with a yellow box at the bottom left.

Third Screenshot (Right): Shows the 'Contact Ariba Customer Support Online' form. The 'Problem Description' section has 'EDI' entered in the 'Short Description' field. The 'Problem Type' dropdown is set to 'Please Select'. The 'Details' field is empty. Below the form, there are fields for 'File Attachment 1', 'PO/Invoice Number', and 'Contact Information' (First Name, Last Name, User ID, Company, Email, Phone Number, and Ariba Network ID).

