



SAP Ariba

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About the Tutorial

SAP Ariba is a cloud-based Procurement solution to perform business transactions on a single platform. It can be easily integrated with other SAP ERP products without using middleware and can be customized as per business requirements. Ariba provides out of box functionality to buyers and suppliers to do business and to get maximum benefits from procurement management.

Audience

This tutorial has been prepared for anyone who has basic knowledge of SAP Vendor Management solutions like SRM, MM and Ariba.

Prerequisites

Before you proceed with this tutorial, we assume that you are versed with SAP Vendor management and ERP concepts. A good exposure to SAP Vendor Management options, integration options in ERP suite is also recommended.

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1. SAP Ariba – Introduction

SAP Ariba is a cloud-based innovative solution that allows suppliers and buyers to connect and do business on a single platform. It improves over all vendor management system of an organization by providing less costly ways of procurement and making business simple. Ariba acts as supply chain, procurement service to do business globally. SAP Ariba digitally transforms your supply chain, procurement and contract management process.

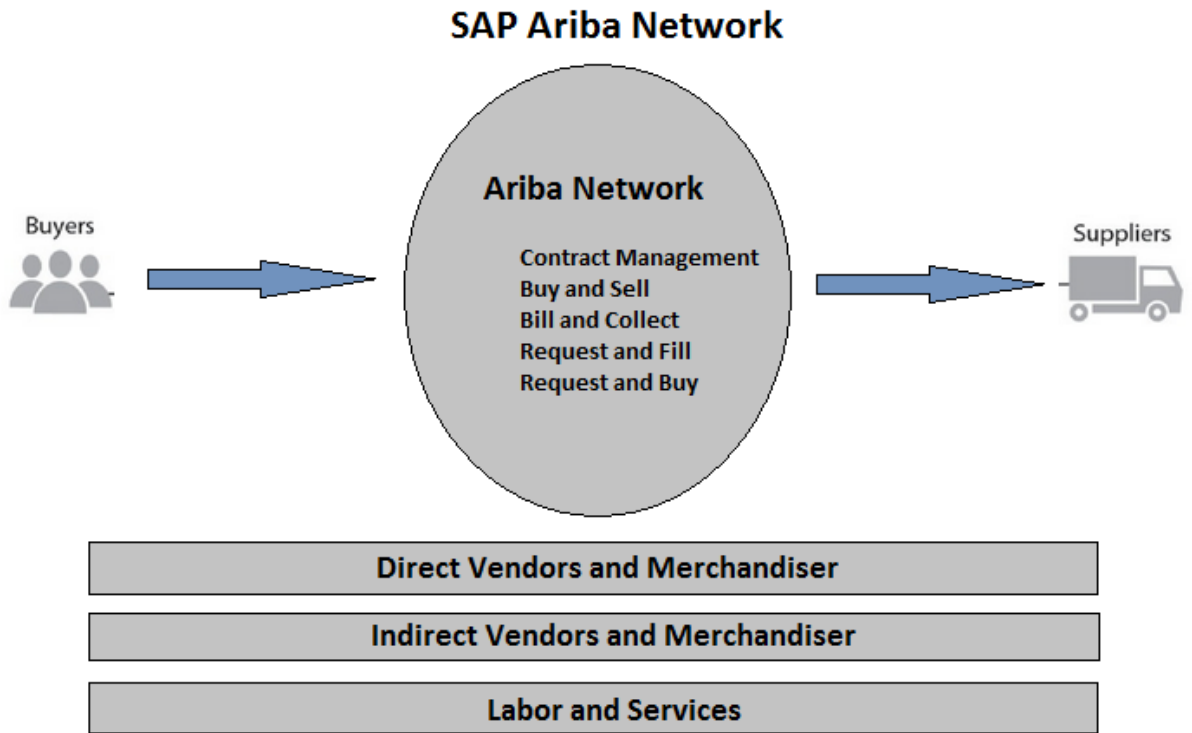
In today's world, there is a need to control your supply chain and to collaborate with your suppliers in an efficient way. To enable healthy supply chain, you need to have suppliers with visibility to every part of procurement process so that they can maintain an efficient supply chain and help organizations to grow their and own business.

The cloud based innovative solution was first developed in 1996 by a company named Ariba and was later acquired by SAP in 2012 with a total acquisition cost of 4.3 billion USD with each share cost \$45. Thus, the name SAP Ariba. At the onset, Ariba was a B2B company to do procurement over Internet and was the first one to introduce IPO in 1999.

Key Features of SAP Ariba

In this section, we will learn about the key features of SAP Ariba.

- SAP Ariba is a B2B solution that allows you to connect to the world's largest network of vendors and suppliers and enhance business collaboration with the right business partners.
- SAP Ariba allows organizations to connect with the right suppliers with deep visibility to your inside vendor and procurement management processes giving way to error free business transactions.
- With SAP Ariba, you can directly connect Ariba network with millions of suppliers meeting your business needs and managing supply chain.
- SAP Ariba network removes overall complexity in procurement process and suppliers and buyers can manage all key terms of vendor management on a single network.
- With acquisition of SAP, Ariba can easily integrate with different SAP ERP solutions like SAP ECC and S/4 HANA with easy to configure workflows to automate different processes in complete procurement cycle.
- You can easily integrate master and transactional data from different ERP solution to Ariba processes.



2. SAP Ariba — Key Benefits

SAP Ariba is a cloud-based Procurement solution, which help buyers and suppliers to meet at one single network. SAP Ariba Partner program enables you with tools, resources, and benefits to help build, run, and grow your business.

Following are the key benefits of using SAP Ariba:

- One of the key advantages of using Ariba solution is that it simplifies procurement and sourcing process with easy synchronization to SAP SRM and other ERP software.
- It enhances supplier, buyers and user experience by bringing in a digital transformation to the supply chain process.
- With cloud-based solution, SAP Ariba can be accessed from different locations. It requires very low initial capital cost for setting up the solution.
- With SAP Ariba, there is an easy setup of key procurement processes – Procure to pay (integration of purchase department with Accounts payable department), Procure to Order by maintaining shopping carts.
- There is easy transfer of master data. Organization structure, suppliers and GL data can be easily transferred to Ariba solution using optimal way of integration.
- SAP Ariba enables easy transfer of transactional data. Invoice details, goods receipt, PO details can be easily transferred to Ariba solution with optimum integration.
- We can use integration toolkit to connect ERP system with Ariba solution.

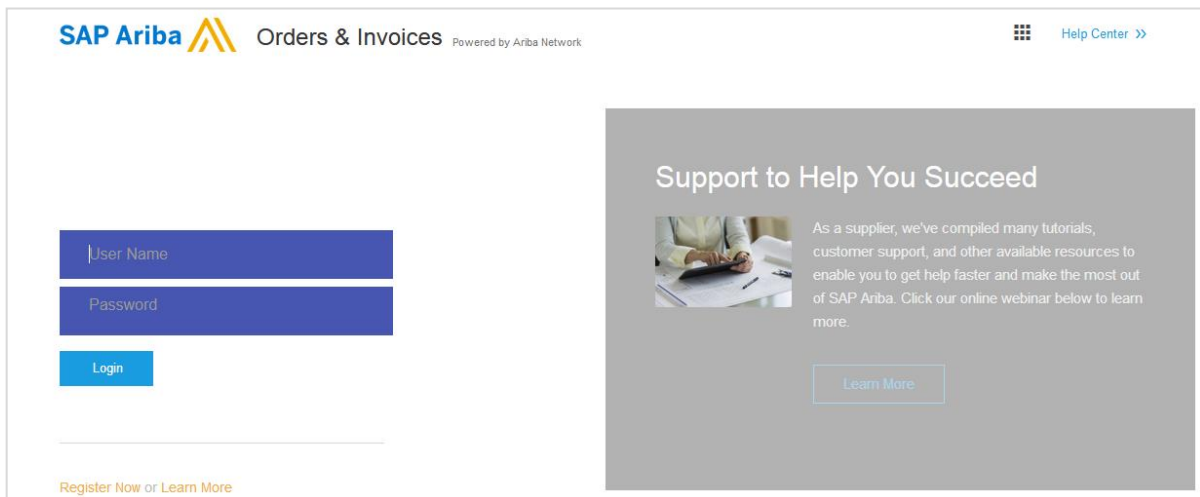
The following illustration shows Ariba as the world's largest B2B trading platform



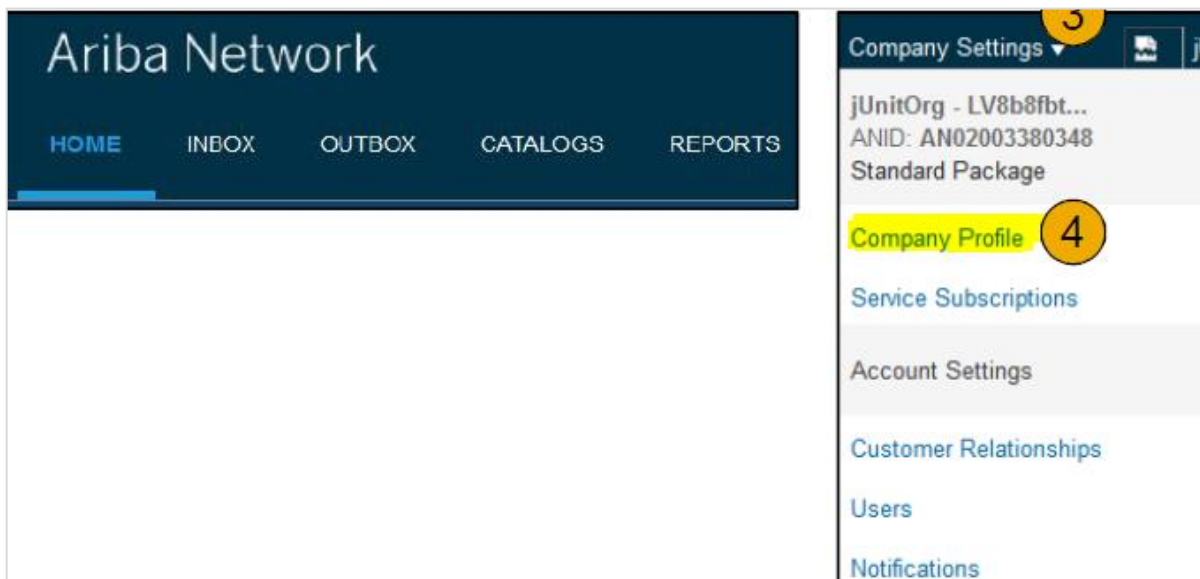
3. SAP Ariba — Account Configuration

In SAP Ariba, you can access and configure new accounts, set email notifications, electronic order and invoice routing and other account related configuration for new suppliers.

- Go to <http://supplier.ariba.com>.
- To login to your account, enter username and password.

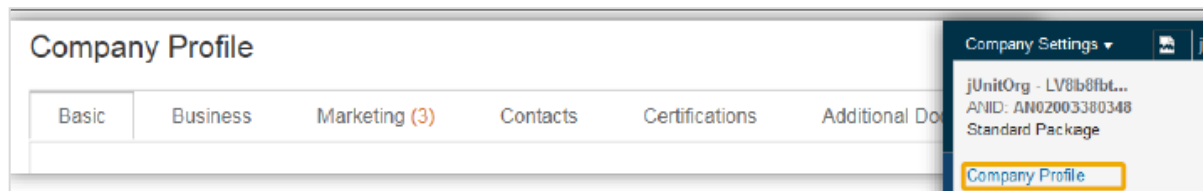


- To configure account access and configuration, you need to navigate to Company Settings tab.
- Navigate to Company Profile tab to update company profile information.



From the company profile menu, you can update the below information:

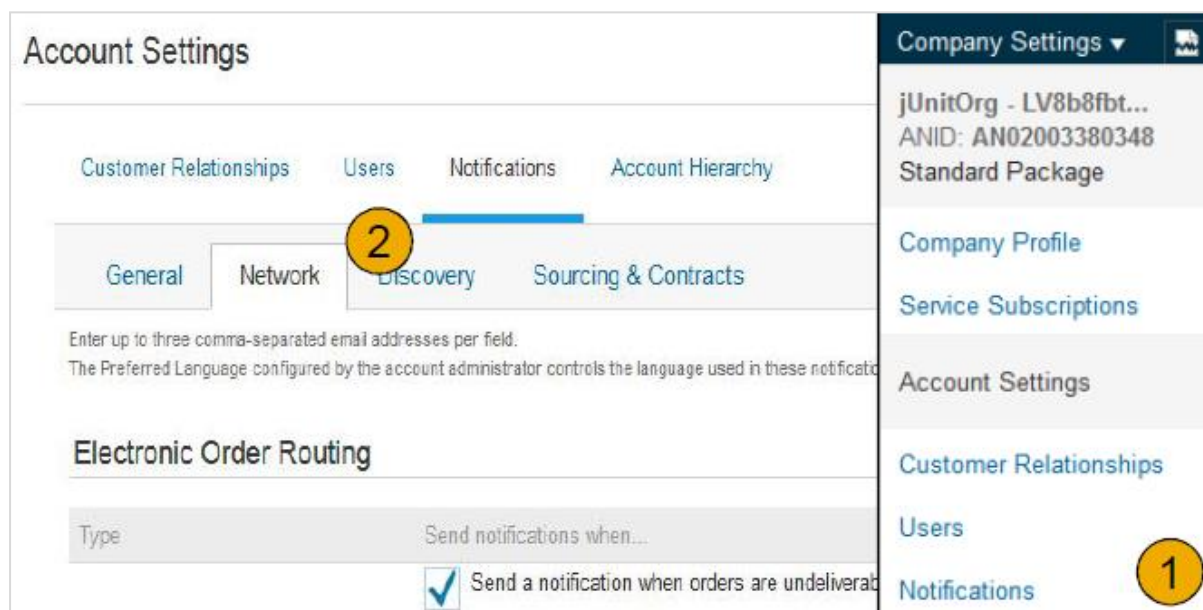
- Basic company profile
- Business Details
- Marketing
- Company Contacts
- Certification details
- Additional documents



Creating Notifications

SAP Ariba allows you to set notifications and access network notification. You can choose on the email notifications you want to receive and you can also enter the email address where you want these notifications to be sent.

To set notifications, go to Notification tab -> Network



You can enter three email addresses for each notification and these should be separated with a comma. As mentioned, preferred language configured by Administrator controls the language used in sending notifications.

Managing Electronic Order Routing

You can manage electronic order routing by using Network Settings option -> Electronic Order Routing. You can select from the following methods to transact business with your customers -

- Email
- Online
- cXML
- EDI
- Fax

Online Routing

Using this option, you can send PO to Ariba inbox without sending extra copies elsewhere.

Email Order Routing

You have the option to include document in email message by selecting check box; this will further send a complete copy of PO in email.

EDI Routing

The ERP system can be configured with Ariba solution and the PO can be sent via EDI.

The screenshot displays the SAP Ariba Network Settings for Electronic Order Routing. The interface includes a navigation bar with tabs for Electronic Order Routing, Electronic Invoice Routing, Accelerated Payments, and Settlement. The main content area is divided into sections: Capabilities Preferences, cXML Setup, Non-Catalog Orders with Part Numbers, and New Orders. The New Orders section contains a table with columns for Document Type, Routing Method, and Options. The Routing Method dropdown menu is open, showing options: Email (2), Online (3), cXML, EDI (4), cXML Pending Queue, and Fax. The 'Email' option is selected. The 'Include document in the email message' checkbox is checked. The email address is dgarda@ariba.com.

Managing Electronic Invoice Routing

There are different ways you can also manage electronic invoice routing. To set preferences -

- Go to Electronic Invoice Routing
- You can select from one of the following routing methods – Online, cXML, and EDI. You can also set email notification for invoice routing.
- With Tax Invoicing option, you can also enter Tax ID, VAT ID and other tax related supporting data.

The screenshot displays the 'Network Settings' page in SAP Ariba, specifically the 'Electronic Invoice Routing' tab. The page is divided into several sections:

- Capabilities Preferences:** Includes 'cXML Setup' with a 'Configure cXML setup' link and 'Non-Catalog Orders with Part Numbers' with a checkbox for 'Process non-catalog orders as catalog orders if part numbers are entered manually'.
- New Orders:** A table with columns for 'Document Type' and 'Routing Method'. It lists three categories: 'Catalog Orders without Attachments', 'Catalog Orders with Attachments', and 'Non-Catalog Orders without Attachments'. A dropdown menu is open for the first category, showing options: 'Email', 'Online', 'cXML', 'EDI', 'cXML Pending Queue', and 'Fax'. The 'Email' option is selected.
- Configuration Details:** For the selected 'Email' routing method, the 'Email address' is set to 'dgarda@ariba.com'. There are three checkboxes: 'Attach cXML document in the email message' (unchecked), 'Include document in the email message' (checked), and 'Leave attachments online and do not include them with email message. This applies to orders with attachments that have the routing method "Same as new catalog orders without attachments"' (unchecked).
- Routing Summary:** At the bottom, it states 'Current Routing method for new orders: Email' and 'Attachments will be included in the order.'

A sidebar on the right side of the page lists navigation options: 'Electronic Order Routing' (highlighted in orange), 'Electronic Invoice Routing', 'Accelerated Payments', 'Remittances', 'Network Notifications', and 'View All'.

You can use Invoice Archival option to specify frequency of zipped invoice archives. Go to Tax Invoicing and Archiving tab -> Invoice Archival -> Configure Invoice Archival. You can select from the following frequency:

- Twice Daily
- Daily
- Weekly
- Biweekly
- Monthly

You can also select the Archive Immediately option to archive invoices in zip format immediately.

Invoice Archival

Ariba Network can archive your invoices in zip format. The zip files are not included in the D invoices. Based on the option you have selected, Ariba Network automatically waits for a 30-day period, then additionally select the Archive Immediately

Twice Daily

Daily

Weekly

Biweekly

Monthly

Archiving Start Time: : AM PM Etc/GMT0 [i](#)

Archive Immediately

Send archived invoice files to the pending queue for download.

Send archived invoice files to the Archive Delivery URL.

Archive Delivery URL:

4. SAP Ariba — User and Role Management

In SAP Ariba, administrators and users perform different roles. Administrators of Ariba system perform the following responsibilities -

- Account configuration and management – registering new accounts in SAP Ariba network.
- Handle account login issues and act as primary contact for Ariba users.
- Creating new roles in Ariba system.
- Linked to user name and login entered during registration.

A user has the following primary tasks in Ariba system -

- Users can have different roles concerning procurement and supply chain process.
- Users can update their profile in Ariba system.
- Configuring notifications and workflows based on roles and responsibilities.

Creating Users and Roles

Administrator’s primary task is to create new users and roles in Ariba system.

- To create new user and role, navigate to Account Settings -> User tab. This will open Users page.
- To create new role, under Manage User Roles -> Create Role button.

The screenshot displays the 'Account Settings' page in SAP Ariba. The 'Users' tab is selected and highlighted. Below the navigation tabs, the 'Manage Users' section is visible, containing a table of users. The 'Create User' button is highlighted. Below that, the 'Manage User Roles' section is visible, containing a table of roles. The 'Create Role' button is highlighted.

Username ↑	Email Address	First Name	Last Name	Ariba Discovery Cont	
<input type="checkbox"/>	rebecca.novotny@sap.com	rebecca.novotny@sap.com	Rebecca	Novotny	No

Name	Actions
Administrator	Details
All Access	Details Edit Delete

- Enter the name of role and description for the role to be created.
- Now, add permissions to role that is based user job responsibilities.
- To save new role, click Save. You can also check detail of an existing role, edit or delete a Role.

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

Name	Actions
Administrator	Details
All Access	Details Edit Delete

↳ [Create Role](#)

- To create new User, click **Create User** button and mention the details about user including name and contact. Next is to select a role for new user based on roles and click **Done**.

Note: It is possible to create 250 users in Ariba network.

Managing User Accounts

You can also manage existing user accounts. Select an existing user under User tab and to make changes, click Edit. To make a user an administrator, click Make Administrator option.

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.

Users

<input type="checkbox"/>	Username ↑	Email Address	First Name	Last Name	Ariba Discovery Cont
<input type="checkbox"/>	rebecca.novotny@sap.com	rebecca.novotny@sap.com	Rebecca	Novotny	No

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

Name	Actions
Administrator	Details
All Access	Details Edit Delete

5. SAP Ariba — Supplier Membership Fees

SAP Ariba provides different plans based on the number of transactions allowed under each plan. There are also customized plans based on your business needs.

Following are some common Ariba plans -

- Select
- Premier
- Enterprise
- Enterprise Plus

Plan	Monthly Price	Transaction Volume Threshold
Select	\$ 50	\$50,000 to less than \$250,000
Premier	\$ 495	\$250,000 to less than \$1,000,000
Enterprise	\$ 2495	\$1,000,000 to less than \$10,000,000
Enterprise Plus	\$ 7495	\$10,000,000 or more

You can use SAP Ariba at no cost, if you transact five or less documents - POs, invoices, service entry sheets, etc. or your transaction volume should be less than the below threshold for one customer annually.

The below table shows the number of chargeable transactions for each currency annually:

Country or Region	Currency	Chargeable Transaction Volume Threshold
Americas		
North America – United States and Mexico	US Dollar	50,000 USD
North America – Canada	Canadian Dollar	50,000 CAD
Central America	US Dollar	50,000 USD
South America (except Brazil and Chile) ³	US Dollar	50,000 USD
APAC		
Australia	Australian Dollar	50,000 AUD
China	Chinese Yuan	333,300 CNY
Japan	Japanese Yen	4,400,000 JPY
Singapore	Singapore Dollar	69,500 SGD
Other APAC	US Dollar	50,000 USD
EMEA		
Switzerland	Swiss Franc	49,500 CHF
United Kingdom	British Pound	34,250 GBP
Other EMEA (except Southern Africa) ³	Euro	44,600 EUR

When you cross the document and transaction threshold limit for one customer as mentioned above annually, suppliers are enrolled to paid subscription and need to pay fee based on the number of transactions listed in the above table.

The Various Fee Types

In this section, we will learn about the various fee types.

Transaction fees

This fee is based on the financial volume you transact annually with all customers through Ariba Network.

Subscription fees

This fee is based on the number of documents you transact annually with all customers, as well as your technology usage.

In order to help customers with high number of annual transactions, Ariba has set up an annual cap of maximum limit of **transaction fees** as shown in the table below -

Country or Region	Annual Cap: Maximum Annual Transaction Fees for High-Volume Customer Relationships ⁶
Americas	
North America – United States and Mexico	20,000 USD
North America – Canada	20,000 CAD
Central America	20,000 USD
South America (except Brazil and Chile) ⁷	20,000 USD
APAC	
Australia	20,000 AUD
China	133,000 CNY
Japan	1,760,000 JPY
Singapore	27,775 SGD
Other APAC	20,000 USD
EMEA	
Switzerland	19,350 CHF
United Kingdom	13,200 GBP
Other EMEA (except Southern Africa) ⁷	15,500 EUR

Subscription fee is based on the number of documents you processed annually. The fee also includes technology usage. Ariba offers four paid subscriptions and each subscription is based on the number of documents that can be transacted annually based on currency. There are four subscription plans -

- Bronze
- Silver
- Gold
- Platinum

Subscription Level	Annual Document Count Threshold	Currency	Annual Subscription Fee
Standard	Up to 4	N/A	0
Bronze	5 to 24	US Dollar	50 USD
		Australian Dollar	50 AUD
		Canadian Dollar	50 CAD
		Swiss Franc	50 CHF
		Chinese Yuan	330 CNY
		Euro	45 EUR
		British Pound	35 GBP
		Japanese Yen	4,500 JPY
		Singapore Dollar	70 SGD
Silver	25 to 99 or EDI, cXML usage	US Dollar	750 USD
		Australian Dollar	750 AUD
		Canadian Dollar	750 CAD
		Swiss Franc	740 CHF
		Chinese Yuan	5,000 CNY
		Euro	670 EUR
		British Pound	500 GBP
		Japanese Yen	68,200 JPY
		Singapore Dollar	1,040 SGD
Gold	100 to 499	US Dollar	2,250 USD
		Australian Dollar	2,250 AUD
		Canadian Dollar	2,250 CAD
		Swiss Franc	2,200 CHF
		Chinese Yuan	15,000 CNY
		Euro	2,000 EUR
		British Pound	1,500 GBP
		Japanese Yen	198,000 JPY
		Singapore Dollar	3,125 SGD
Platinum	500 or more	US Dollar	5,500 USD
		Australian Dollar	5,500 AUD
		Canadian Dollar	5,500 CAD
		Swiss Franc	5,450 CHF
		Chinese Yuan	36,700 CNY
		Euro	4,900 EUR
		British Pound	3,770 GBP
		Japanese Yen	484,000 JPY
		Singapore Dollar	7,600 SGD

Ariba Network Billing

When you cross the document and transaction volume chargeable thresholds, SAP will charge either quarterly or annually based on selection, depending on when you first crossed the thresholds. If you are a new supplier, you will be billed quarterly, and it will be in advance for your next quarterly or annual period on the basis of your Ariba Network usage during your prior billing period.

Paying your bill

You can pay your bill by going to - <https://service.ariba.com/Supplier.aw>

- Log in to your account with your ID and password.
- Find your company name in the top right corner and click on it.
- Click on Service Subscriptions.
- Click the **Billing** tab to view your invoice(s).
- Find the invoice you want to pay and click **Pay Invoice**.
- Select your payment method (credit card, check, or electronic settlement) and click **Next**.
- Enter your credit card information, if applicable.
- Confirm your subscription package, if applicable.
- If paying by cheque or electronic settlement, download your invoice and submit to your disbursement process for payment.

SAP Ariba Network users can make bill payment using a credit card, electronic fund transfer or by using bank cheque. For small amount invoices, you should only pay using a Credit card. The following table shows subscription fee fall below minimum threshold and should be paid by credit card -

Currency	Credit card threshold
US Dollar (USD)	750
Australian Dollar (AUD)	720
Canadian Dollar (CAD)	740
Swiss Franc (CHF)	395
Chinese Yuan (CNY)	130
Euro (EUR)	210
Pounds Sterling (GBP)	310
Japanese Yen (JPY)	1,540
Singapore Dollar (SGD)	25

For any help, a SAP Ariba Network user can visit the Help Center. After you log into your account, click the link in the upper-right corner of your dashboard.

6. SAP Ariba — Configuring SAP ERP

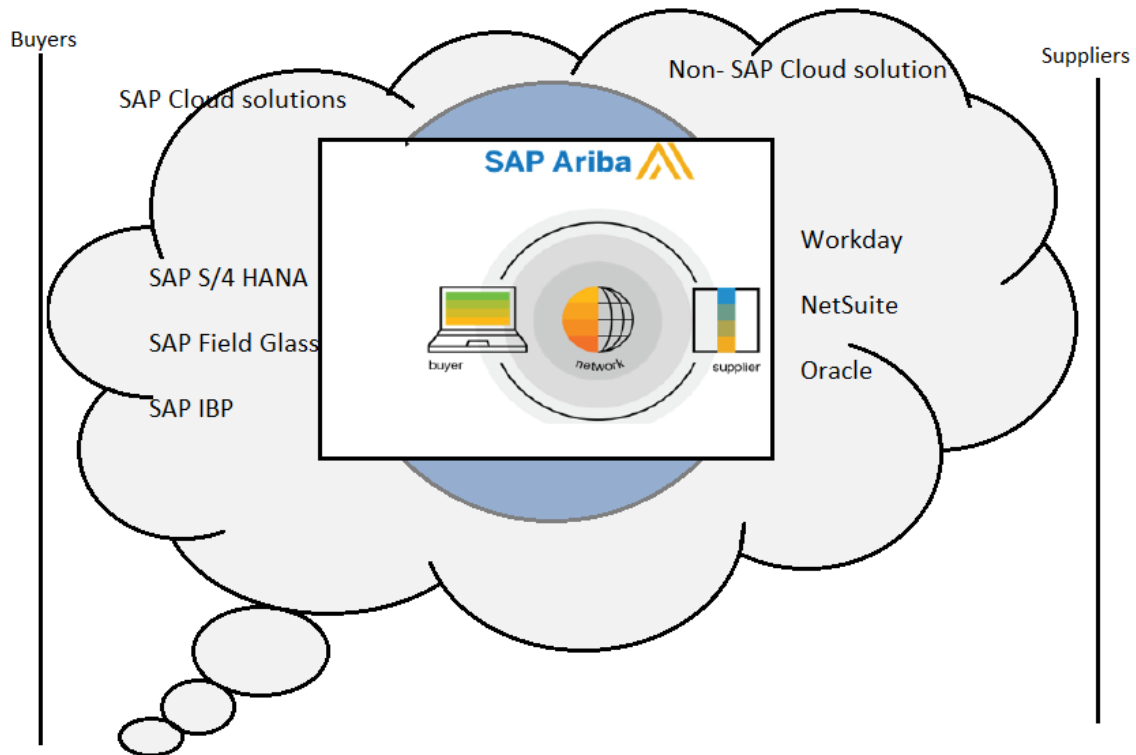
SAP Business Suite can connect to Ariba network using non-modifying add-ons that come with Ariba Network integration 1.0. Using these add-ons, you can send or receive message in the format supported by SAP Ariba- cXML.

With the use of Ariba add-ons, you can integrate single SAP ERP system or multiple systems with Ariba network. Integration can be performed directly or by using a middleware. One of the common integration options comes with the use of HANA Cloud Integration (HCI). With Ariba Network integration 1.0, following Business suites can be connected to Ariba network -

- SAP ERP
- SAP Supplier Relationship Management
- SAP Supply Network Collaboration SNC

Following are the benefits of using Ariba Network Integration 1.0 -

- You do not require an additional infrastructure or system to connect with SAP Business Suite.
- Ariba Network Integration supports minimum SAP ERP 6.0.
- With the use of Ariba add-ons, the network complexity is removed.
- It does not require any upgrade, update to be performed.
- Ariba Network integrations should be deployed on every ERP system that you want to integrate.



Product Requirement for Integration

In this section, we will look into the product requirement for integration.

SAP ERP version

- SAP ERP system starting with SAP ERP 6.0.
- Ariba integration scenario with SAP ERP core functionality supported.

Ariba Network Integration Add-ons

- Ariba Foundation
 - Add-on "ARBFNDI1" starting with AS ABAP 7.0000
 - Add-on "ARBFNDI2" starting with AS ABAP 7.01

Ariba ERP

- Add-on "ARBERPI1" based on add-on "ARBFNDI1"

Ariba Network (in cloud environment)

- SAP NetWeaver PI (optional) – This is the middleware to connect SAP ERP with Ariba Network.

- Starting with SAP NetWeaver PI 7.1.
- Java stack sufficient, therefore SAP NetWeaver PI - JAVA only (AEX) supported.
- ESR Content with Ariba cXML interfaces.
- Ariba Network Adapter for SAP NetWeaver (starting with Release Cloud Integration 1.0)-released for SAP NetWeaver PI 7.1 up to EHP1 for SAP NetWeaver PI 7.4.

Different Ways of Integration

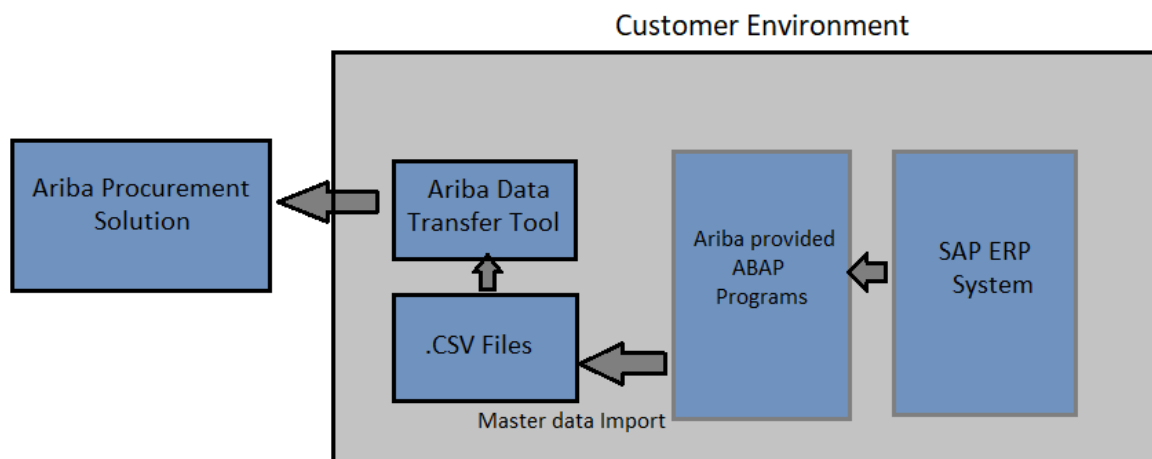
Ariba integration tool kit is a Java based tool which can be used to upload master data or download transaction data from the SAP ERP system. With Ariba integration tool kit, it reads CSV files, zips the files and sends them as MIME messages to Ariba procurement solution using HTTP. Integration can be done with the following ways:

- File based integration
- Web services based integration
- Direct Connectivity
- Using Middleware connectivity

File-based integration

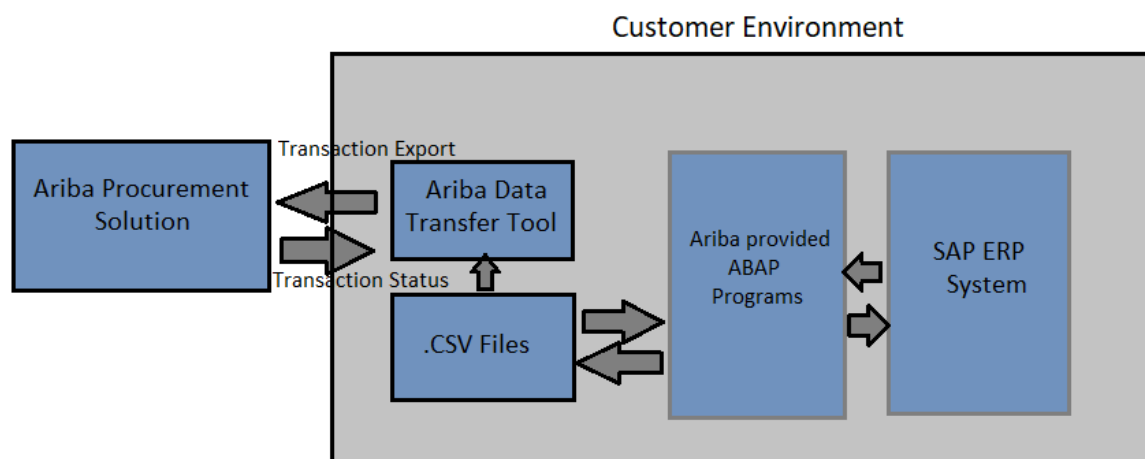
You can move master and transactional data from SAP to Ariba system using file-based integration. Master data extracted from SAP in the form of .csv files. These .csv files are transferred to Ariba system using Ariba Tool kit.

The following illustration shows file based integration and master data import to Ariba.



Follow these steps for transfer of transactional data from SAP to Ariba using the file-based integration method:

- In the first step, the data transfer tool exports data from Ariba procurement solution in the form of *.csv files.
- Ariba provided ABAP program then reads these *.csv files and transfers data to SAP ERP.
- ABAP program then retrieves the status of each export transaction from SAP ERP.
- The data transfer tool reads these *.csv files and updates them into Ariba.



Web service based integration

This is used to perform real time integration of Ariba to SAP ERP using SAP PI and this integration option is available by default. If you use any other middleware like SOA, you will require configuring the setup manually. In Web service-based integration, a SOAP message is generated based on the WSDL and this is dispatched to a web services server using SAP Process Integration PI.

Integration using direct connectivity

With direct integration, .csv files are moved from SAP ERP to Ariba system. The .CSV files with master data is sent to Ariba system in the form of SOAP message. The direct integration option for master data is available from Ariba cloud integration 4.0 or later and transactional data integration is available from 6.0 or later.

Mediated connectivity integration

Mediated connectivity integration is available in Ariba Cloud integration 5.0 or later and the movement of transactional data from 6.0 or later. The mediated connectivity integration method can be used with SAP PI to exchange file data or by sending information as SOAP message.

When you use SAP PI for integration, you need to define receiver and sender communication channel. Note that SAP Ariba provides an Ariba Network Adapter for SAP PI/PO integration and is known as add-on module for SAP business applications that allows

to send and receive document in cXML format to and from Ariba Network. By following Ariba SN cXML standards, it is also possible to develop own network adapters instead of buying a commercial one.

The following screenshot shows the receiver communication channel for SAP PI/PO integration -

Parameters	Identifiers	Module
Adapter Type *	AribaNetworkAdapterSAPNetweaver	http://ariba.com/xi/ASCAdapter
<input type="radio"/> Sender <input checked="" type="radio"/> Receiver		
Transport Protocol *	HTTPS	
Message Protocol *	JCA 1.0	
Adapter Engine *	Central Adapter Engine	
Outbound Request Type		
Outbound Request Type *	OrderRequest	
Deployment Mode		
Mode *	Test	
Authentication		
Credential Mode *	Shared secret	
Credential Domain *	Network Id	
Credential *	AN821588-T	
Shared Secret Password *	●●●●●●●●	●●●●●●●●
cXML Configuration		
End Point ID		
AN ID *	AN821588-T	
User Agent *	learnTestBuyer@piBlog.com	
Language *	en-US	
GetProfile URL *	https://service.ariba.com/service/transaction/cxml.asp	
GetProfile Interval (Minutes) *	60	
cXML Version *	1.2.022	
<input type="checkbox"/> Use XML Validation		
Proxy Server Configuration		
<input type="checkbox"/> Use Proxy Server		

The following screenshot shows the sender communication channel for SAP PI/PO -

Edit Communication Channel In Process

Parameters Identifiers Module

Adapter Type * AribaNetworkAdapterSAPNetweaver <http://ariba.com/xii/ASCAdapter> ARIBA_SUPPLIER_CONN_ADAPTER 11S2 of ariba.com

Sender Receiver

Transport Protocol * HTTPB

Message Protocol * JCA 1.0

Adapter Engine * Central Adapter Engine

Inbound Request Type

Inbound Request Type * ConfirmationRequest

Deployment Mode

Mode * Test

Authentication

Credential Mode * Client certificate

Credential Domain * Network Id

Credential * LEARN821588

Certificate Service * File System

KeyStore Location * file/

Store Password *

Key Password *

Port * 443

cXML Configuration

End Point ID

AN ID * AN821588-T

User Agent * LearnTestBuyer@piBlog.com

Language * en-US

GetProfile URL * https://certservice.ariba.com/service/transaction/cxml.asp

GetProfile Interval (Minutes) * 60

GetProfile Interval (Minutes) * 60

7. SAP Ariba — Configuring Ariba Procurement Solution

Ariba Administrator is responsible for configuration of SAP PI URL for all the exports tasks in web-based integration. The sample URL looks like –

```
SoapURL="http://<PIserver>:<port>  
<servername>:50000/XISOAPAdapter/MessageServlet?channel=:<Businesssystemname>:<communication_channel_name>";
```

Using Ariba Procurement solution, a user can enter information about the items ordered by them. For this, Ariba system and SAP ERP system should receive information in the same way. By setting system parameters, you can configure receiving tolerances in the below system parameters. These parameters can be set by submitting a request with Ariba contact and the Ariba support representative will contact you –

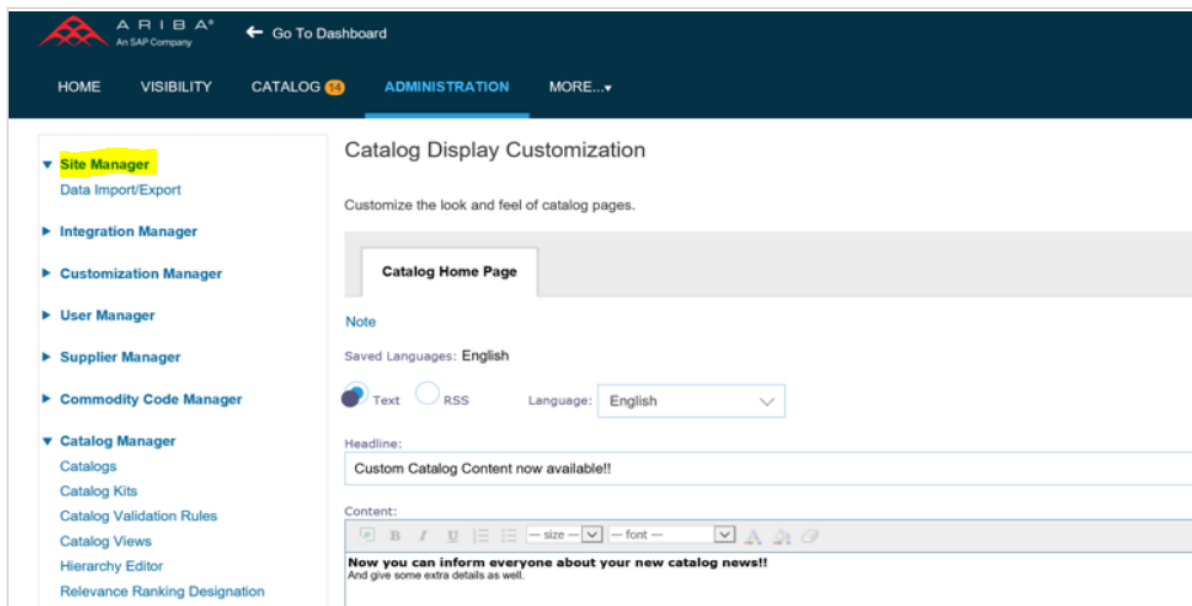
- Application.Procure.OverReceivingOperator
- Application.Procure.OverReceivingPercentage
- Application.Procure.OverReceivingQuantity
- Application.Procure.OverReceivingValue
- Application.Procure.UnderReceivingOperator
- Application.Procure.UnderReceivingQuantity
- Application.Procure.UnderReceivingValue
- Application.Procure.UnderReceivingPercentage

Generating ERP Order by Default

An ERP order is generated when you create a requisition first time. To generate an ERP order by default, the default browser should be changed in the service manager.

Let us now see the steps to generate ERP order by default.

Login to the Service Manager using the Power User. On the left side, you have the Site Manager option -> Customer Sites.



Login as Customer Support Admin and click Customization Manager -> Advance Tab and then select Parameters. You need to search for ordermethods and click the Edit option.

Move ariba.sap.server.SAPPOERP to the top of the list -> OK -> Save.

While configuring Ariba Procurement solution, you can also define preferred ordering method for Purchase Order that will be sent to suppliers. Following are the supported formats -

- cXML
- Fax
- URL
- Print
- Email
- Online

In case this field is blank, it takes the URL as the ordering method by default. If you want the Purchase Order to be downloaded in a CSV file, you must set the value of the preferred ordering method to Print. To set your preferred ordering method, please have your Designated Support Contact log a service request following which an Ariba Customer Support representative will contact you.

The screenshot displays the 'Network Settings' page in SAP Ariba. The 'Electronic Order Routing' tab is active and highlighted. Below the tabs, there are sections for 'Capabilities Preferences', 'cXML Setup', 'Non-Catalog Orders with Part Numbers', and 'New Orders'. The 'New Orders' section contains a table with columns for 'Document Type', 'Routing Method', and 'Options'. A dropdown menu for 'Routing Method' is open, showing 'Email' as the selected option. To the right of the table, there is a configuration box for the selected routing method, showing the email address 'dgarda@ariba.com' and several checkboxes, with 'Include document in the email message' and 'Leave attachments online and do not include them with email message' checked.

With the use of parameters, you can also enable cancel order integration. To enable this, parameter **Application.Procure.UseCancelOrderIntegration** must be set to **"Yes"**. You can submit an Ariba service request following which an Ariba support representative will contact you to set this parameter value.

You can also set a unique number for Purchase Order identifier. By default, Ariba Procurement Solution generates order number starting from EP10. To specify your unique number for Purchase Orders, you can submit an Ariba service request following which an Ariba support representative will contact you.

In Ariba, you can also create split orders where line items are in different currencies. In this case, an order that will be created should be split based on the different currency types. The SAP ERP system does not support Purchase Orders with line items having different currency types.

To split an order, you need to go to the Advance tab and select Split Order on this field and click OK. To publish order, click Publish button.

8. SAP Ariba — Buyers and Supplier Terms

SAP Ariba is an online platform to provide services to buyers and suppliers. Ariba's online services are used by buyers of goods or services or by suppliers of goods and services. Ariba has set different terms applicable for the use of online services by buyers. The terms of use document shows the terms applicable to goods and services suppliers.

Terms of Use (Suppliers)

<https://service.ariba.com/Authenticator.aw/ad/termsCenter?tou=supplier>

Terms of Use (Buyers)

<https://service.ariba.com/Authenticator.aw/ad/termsCenter?tou=marketplace>

Other Terms and Policies for Services Provided by Ariba

Let us now look into the other terms and policies for services provided by Ariba –

Terms and Policies for Services

- Long-Term Document Archiving
- Country Coverage
- Dynamic Discounting Credit Memos

Terms and Policies for Payments

- AribaPay
- Supply Chain Financing

Terms and Policies for Optional Services

- Cloud Integration Gateway
- Master Content Services

To check details about the above-mentioned Ariba terms, navigate to this link - <https://service.ariba.com/Authenticator.aw/ad/termsCenter>

Ariba Terms Center

Introduction

Ariba offers a variety of online services to users. As a venue for conducting business transactions, Ariba's online services are used by either buyers of goods or services ("Buyers") or by suppliers of goods or services ("Suppliers"). The Terms of Use (Buyers) document identifies the terms applicable to use of the online services by Buyers, and the Terms of Use (Suppliers) document identifies the terms applicable to a Supplier's use of the online services.

[Suppliers \[Click Here\]](#) [Buyers \[Click Here\]](#)

[Data Processing Agreement \(Ariba Network Services\) \[Click Here\]](#)
[E-Invoicing Reference Page \[Click Here\]](#)

TERMS AND POLICIES FOR SERVICES

[Long-Term Document Archiving\[Click Here\]](#) [Country Coverage\[Click Here\]](#)
[Dynamic Discounting Credit Memos\[Click Here\]](#)

TERMS AND POLICIES FOR PAYMENTS

[AribaPay \[Click Here\]](#) [Supply Chain Financing \[Click Here\]](#)

TERMS AND POLICIES FOR OPTIONAL SERVICES

[Cloud Integration Gateway \[Click Here\]](#) [Master Content Services \[Click Here\]](#)

9. SAP Ariba — Integrating Master Data

In the SAP ERP system, you may have generation information known as master data that you need to integrate with Ariba Procurement solution. In Ariba Procurement solution, you can configure events for standard data import from SAP. Master data is known as data, which is required to perform operations in specific businesses or business units. Ex. Vendor is a type of master data, which is used for creating purchase orders or contracts.

List of commonly used SAP Master Data

In this section, we will see what are some commonly used SAP Master Data:

Customer Master

This field in ERP system is used to store customer related information in the SAP ERP system.

Vendor Master

Vendor master is used to store supplier related information in SAP ERP system.

Material Master

Material master is used to store product and component related information in SAP ERP system.

Bill of Material

Bill of material is used to store the list of components needed to produce a finished product.

Routing

This field is used to store the list of steps or operations needed to come up with a finished product.

Condition Records

Condition records are product prices, taxes, discounts or surcharges stored in SAP ERP system.

Purchasing Info Records

Purchasing info records are components' purchase prices offered by suppliers.

How to import master data in Ariba?

To import master data from ERP system to Ariba, you can use any of the following methods:

- By using the Data Transfer Tool.
- You can configure integrations events manually from the Ariba Administrator console.
- You can also use Ariba Integration Toolkit through the Direct Connectivity Integration method.
- Using SAP Process integration PI to integrate master data directly from an SAP ERP system to the Ariba Procurement Solution system.

Normally, Ariba solution imports data from ERP system which are required to create Purchase Orders, Invoice and receipt information from SAP. The following master data is imported to Ariba Procurement solution:

- Account assignment categories
- Accounting field display status
- WBS (Work Breakdown Structure) elements
- Currency conversion rates
- Material groups
- Plants
- Purchasing organizations
- Language-specific names for data imports
- Asset accounts
- Cost centers
- Company Codes
- General ledger accounts
- Supplier Locations
- Payment terms
- Remittance Locations
- User and User groups
- Internal orders
- Purchasing groups
- Vendors
- Tax codes

Perquisites for importing master data

To perform master data import, transport request must be downloaded and exported to the SAP ERP system. Before you start with the import of master data, the following SAP Note must be implemented -

1402826
1716777

Note: 1716777 is the SAP Note related to Runtime error IMPORT_WRONG_END_POS when displaying class.

Authorization object must be created to allow running import transactions. Authorization objects are part of transport system and they should have a role defined under PFCG T-code. Under PFCG role, you should assign Ariba RFC functional module. For example, /ARBA/BAPI_PO_CREATE1 and other Ariba Procure-to-Pay function modules.

Authorization objects to perform data import should be created with the following details -

- Object name: F_KKMIGRAT
- Description: FI-CA IS Migration Workbench
- Authorization Class: FI Authorization

Fields -

- EMG_ACTVT = 1
- EMG_FIRMA = *
- EMG_GROUP = FILCreating

To maintain authorization objects, go to T-code: SU21 and create a new Authorization Object.

Class/Object	Text	Type
▶	Not assigned to a class	Object...
▶	AAAA	Obsolete Authorization Objects
▶	AAAB	Cross-application Authorization Objects
▶	ACO	PLM ACOs
▶	BBP	BBP Component
▶	BC_A	Basis: Administration
▶	BC_C	Basis - Development Environment
▶	BC_Z	Basis - Central Functions
▶	BEA	Authorization Objects for Billing Engine
▶	BECL	ECL Viewer
▶	BRF	BRF: Business Rule Framework
▶	CDMC	SLO Custom Development Management Cockpit
▶	CFX	PLM cFolders
▶	CLAS	Classification

Restrictions while importing master data in Ariba

While performing master data import from SAP ERP to your Ariba procurement solution, you will come across a few limitations -

- If you have supplier location linked to multiple vendors, it is not supported in integration to Ariba Procurement solution.
- Master data, which is exported using direct integration tool kit cannot be archived.
- In SAP system, you can create payment terms with day limit; however, Ariba Procurement solution payment terms does not support day limit.
- Incremental load can be run only for specific master data tasks.

Mapping of fields in SAP ERP and Ariba

To perform master data import, you need to create mapping of SAP and Ariba Procurement field values. To perform export of data, a custom table /ARBA/FIELD_MAP must be maintained to map the SAP and Ariba Procurement Solution system field values.

The following values should be maintained -

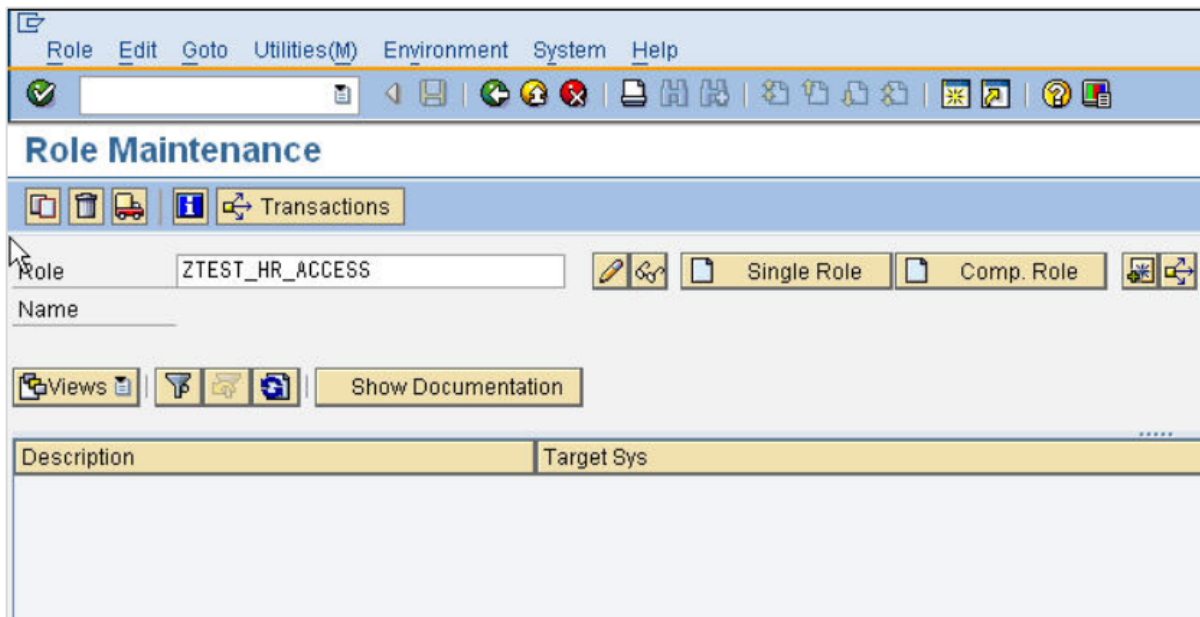
Field Name in the /ARBA/ FIELD_MAP	Key	Initial Values	Data Element	Data Type	Length	Decimals	Description
STRUCTURE	Selected	Selected	/ARBA/STRUCTURE	CHAR	30	0	The structure name used in the TABLES parameter for the RFC function.
FIELD_SAP	Selected	Selected	/ARBA/FNAME_SAP	CHAR	30	0	The field name in the SAP system.
FIELD_ARIBA			ARBA/FNAME_ARIBA	CHAR	255	0	The field name in the ARIBA system that you want to receive in the output .csv file.

If you do not perform the mapping of fields, Ariba procurement solution integrated with SAP shows SAP field name in Ariba Procurement solution. The example given below shows how fields are mapped -

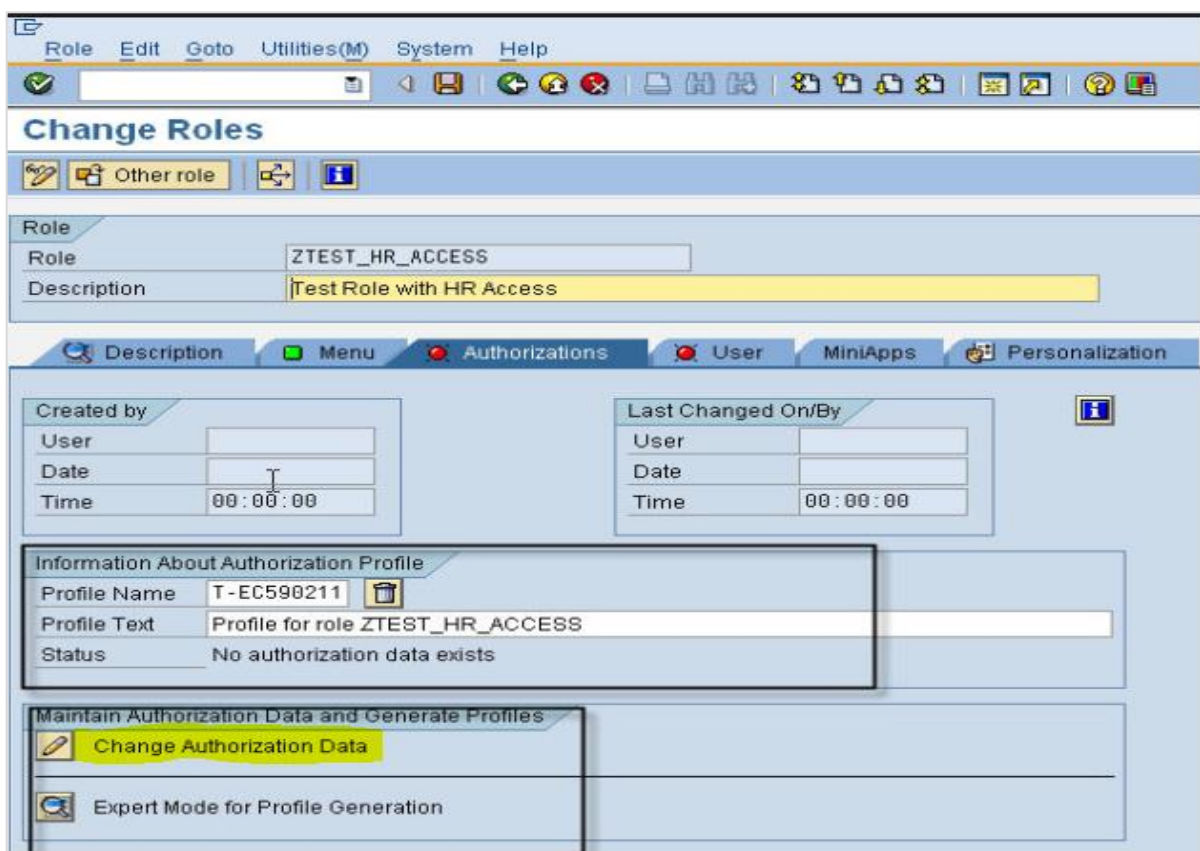
STRUCTURE	Field Name in the Ariba Procurement Solution system	Field Name in the Ariba Procurement Solution system
	FIELD_SAP	FIELD_ARIBA
/ARBA/PAYMENT_TERMS	NAME	UniqueName
/ARBA/PAYMENT_TERMS	PRZTY	DiscountType
/ARBA/PAYMENT_TERMS	RATNR	InstallmentNumber

Creating Authorization Objects in SAP System

To create roles for authorization object, use T-code: PFCG and enter the name of the role.

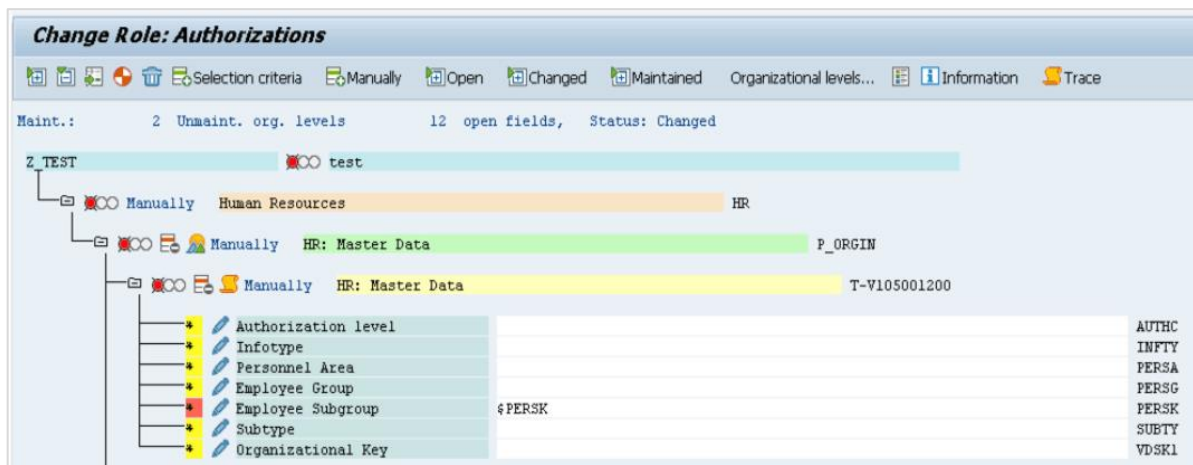


Click Single Role option; it will open Authorization tab -> Change Authorization Data.



In the template page, do not select a template. In the Manual selection of authorizations page, enter a name in the Authorization object text box. Ensure that you enter /ARB and click **Continue**.

The Change Role: The Authorizations page appears, and you need to enter the parent node; for example, ZTRANSACTION_DATA to expand it. You can see the **/ARB** object class you created.



Now, click on the Program Name child node. The Field Values dialog box appears. In the Field values dialog box, ensure that you have the following entries:

Object: /ARBA/PROG
Field name: PROGRAM

In the Value Intrvl section, enter all the transaction data report names in the From column. Save the entries and regenerate the profiles created.

Importing Supplier Data

For importing supplier data, Ariba Procurement Solution integrated with SAP downloads supplier data in the SupplierConsolidated.csv using fields in below tables -

- Suppliers available in the LFA1 (Vendor Master Table)
- Suppliers that are not marked for deletion for a given PORG
- Suppliers that do not have a centrally imposed purchasing block
- Suppliers that are not blocked for any function

You need to ensure that you maintain the right value of SystemID and vendor fields in the table. When supplier data is imported, values for SystemID field is imported in .csv file.

Function Module/ARBA/VENDOR_EXPORTCSV

Files: SupplierConsolidated.csvPurchaseOrgSupplierCombo.csv

Importing Supplier Location Data

While maintaining supplier location data, these 2 parameters are used – **/ARBA/SL_VENDOR_ADDRESS** and **/ARBA/SL_PARTNER_TYPE**. While importing supplier location data, you must maintain at least one of these parameters in /ARBA/TVARV table. In case you do not maintain one of these parameters, it shows an error.

Function Module/ARBA/SUPPLIER_LOCATION_EXPORTCSV

File: SupplierLocationConsolidated.csv

Importing Payment Terms Data

Payment terms indicate the negotiated discount between a buying organization and supplier for a specified number of days before payment is due.

Function Module/ARBA/PAYMENTTERM_EXPORTCSV

File: PaymentTermsConsolidated.csv

10. SAP Ariba — Integrating Transaction data

Transactional data includes Purchase Order, invoice, receipts, payments and other business related information. Transactional data comes with a time stamp and a numerical value referring to one or more objects.

Following methods are commonly used for integrating transactional data between SAP ERP and Ariba Procurement solution -

- Using file channel option
- Using the web services channel
- Using user interface option
- Using mediated connectivity integration

Integration Using File Channel Option

For each file channel, you have scheduled integration events. An Ariba administrator can run these events manually. An executable program code is defined and scheduled to run. The code picks csv data file from Ariba Procurement solution and exports to SAP ERP database.

CSV files are generated using transaction events and these are picked by data transfer tool. To move data to ERP database, SAP transports should be imported. SAP transports are a combination of SAP Programs, RFCs, and supporting structures. The SAP executable programs are used to move the exported data into SAP ERP. The BAPI executable programs help in the moving of data into SAP ERP.

SAP programs usually contain the following parameters -

- Logical File Name – This defines the logical path and the physical location of the CSV files.
- Directory Separator – This is the physical separator for directories in SAP ERP.
- Encoding in response files – Encoding technique that is used UTF-8 by default.
- Variant - Variant Name
- Partition - Partition Name

The following tables show different transactional data integration event components -

Transactional Data	Event Name	SAP Program	RFC Used
Purchase Order	PurchaseOrderExport	/ARBA/CR_BAPI_PO_CREATE	/ARBA/BAPI_PO_CREATE
Changed Purchase Order	PurchaseOrderChangeExport	/ARBA/CR_BAPI_PO_CHANGE	/ARBA/BAPI_PO_CHANGE
Canceled Purchase Order	PurchaseOrderCancelExport	/ARBA/CR_BAPI_PO_CANCEL	/ARBA/BAPI_PO_CANCEL
Purchase Order Header Status	PurchaseOrderHeaderStatusImport	/ARBA/CR_PO_HEADER_STATUS	/ARBA/PO_HEADER_STATUS
Receipts	ReceiptExport	/ARBA/CR_GR_CREATE	/ARBA/ GOODS_RECEIPTS_CREATE
Invoice	PaymentExport	/ARBA/CR_INVOICE_CREATE	/ARBA/BAPI_INVOICE_CREATE
Remittance	RemittanceImport	/ARBA/CR_REMITTANCE_EXPORT	/ARBA/REMITTANCE_EXPORT
Requisition Submit	RequisitionRealTimeBudgetExport		/ARBA/PURREQ
Requisition Revert	RequisitionRealTimeRevertBudgetExport		/ARBA/PURREQ_DELETE

Transactional Data	Event Name	SAP Program	RFC Used
Budget Check	RequisitionBudgetCheckExport		/ARBA/ ACC_PURCHASE_REQUI_CHECK
<ul style="list-style-type: none"> Requisition Derive Invoice Derive 	<ul style="list-style-type: none"> RequisitionDeriveAccountingExport InvoiceReconciliationDeriveAccountingExport 		/ARBA/DERIVATION
Create Advance Payment	ExportAdvancePayments	/ARBA/CR_ADV_PAYMENT_CREATE	/ARBA/ADV_PAYMENT_POST
Cancel Advance Payment	ExportCancelAdvancePayments	/ARBA/CR_ADV_PAYMENT_CANCEL	/ARBA/ADV_PAYMENT_REV_POST
Advance Payment Remittance	ImportAdvancePaymentRemittance	/ARBA/CR_ADV_PAY_REMIT_EXPORT	/ARBA/ADV_PAY_REMIT_EXPORT

Using the Web Services Channel

The Web service method is based on the use of SOAP URLs configured by Ariba administrators. For all outbound events, a SOAP URL is generated automatically to be present in the generated WSDL according to the following logic:

```
<IncomingHttpServerURL> / <ContextRoot> / soap / <realm name> / <event_name>
```

In each WSDL, you have the following components -

- **Import:** This component is used to associate a namespace with a document location.
- **Types:** This component is used to define user created data types, which will be used in the document.
- **Message:** This component is used to define all the parts of an individual message.
- **PortType:** This is a container of supported operations by the web service. The operations in PortType are ordered. These operations indicate whether a message is inbound or outbound.
- **Binding:** This element defines the operation to protocol mapping. (for example, http, https, MIME, etc.).
- **Service:** This component is used to define the operation to address mapping and it shows the actual address the request should be forwarded.

There are various transactional data integration events spread across SAP ERP and Ariba Procurement solution.

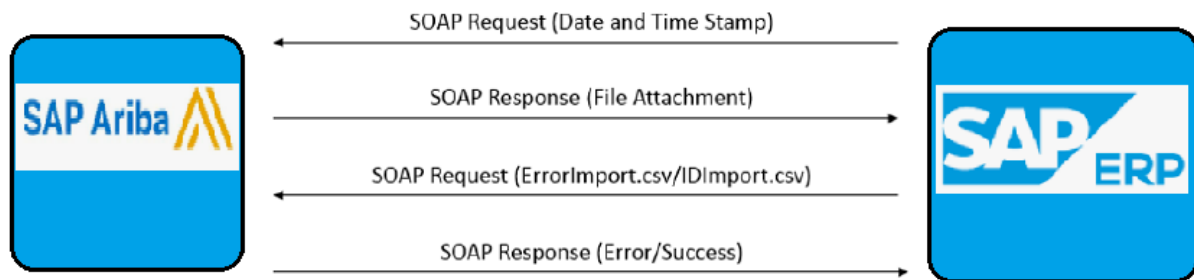
The following table shows example URLs for each data integration event -

PurchaseRequisitionExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_ReqSubmit_Sender
PurchaseOrderExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_PurchaseOrder_WSDL_Sender
PurchaseOrderChangeExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_ChangePurchaseOrder_WSDL_Sender
PurchaseOrderCancelExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_CancelPurchaseOrder_WSDL_Sender
PurchaseOrderHeaderStatusImport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_PurchaseOrderHeader_WSDL_Sender
ReceiptExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_Receipts_WSDL_Sender
PaymentExport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_Invoice_WSDL_Sender
RemittanceImport	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_Procurement:CC_RemittanceImport_WSDL_Sender
AdvancePaymentCreate	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_ONDEMAND:CC_AdvancePaymentRequest_Create_Sender
AdvancePaymentCancel	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_ONDEMAND:CC_AdvancePaymentRequest_Cancel_Sender
AdvancePaymentRequestRemittance	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_ONDEMAND:CCT_AdvPymtRemittanceImport_WSDL_Sender
ServiceEntrySheet	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_ONDEMAND:CCT_ServiceEntrySheet_WSDL_Sender
ServiceEntrySheetResponse	http://host:port/XISOAPAdapter/MessageServlet? channel=:BS_ONDEMAND:CCT_ServiceEntrySheetResponse_WSDL_Receiver

Using User Interface Option

In Ariba Procurement Solution, buyers can also use direct connectivity option to integrate data to SAP ERP system. This feature is supported in SAP ERP 6.0 and later versions. Using this option, ERP system sends a request to Ariba Procurement Solution with the header part containing parameter details for extraction of transactional data.

To use this option, transport request must be downloaded and imported into SAP ERP system.



When you use direct connection option using user interface, following limitations are applied -

- No email notification while an error occurs during the transactional data integration.
- Ariba administrator can see all error messages only in the runtime monitor of the SAP ERP and SAP Process integration.
- When you check T-code SLGI, it does not store details of all error log in this transaction.

Using Mediated Connectivity Integration

This method uses SAP Process Integration layer with mediated connectivity option for integration of transactional data. Using SAP PI provides a secure way of integration and all certificates and key stores are created and stored in SAP Process Integration key store.

To use this option, transport request must be downloaded and imported into SAP ERP system. When you use direct connection option using user interface, following limitations are applied -

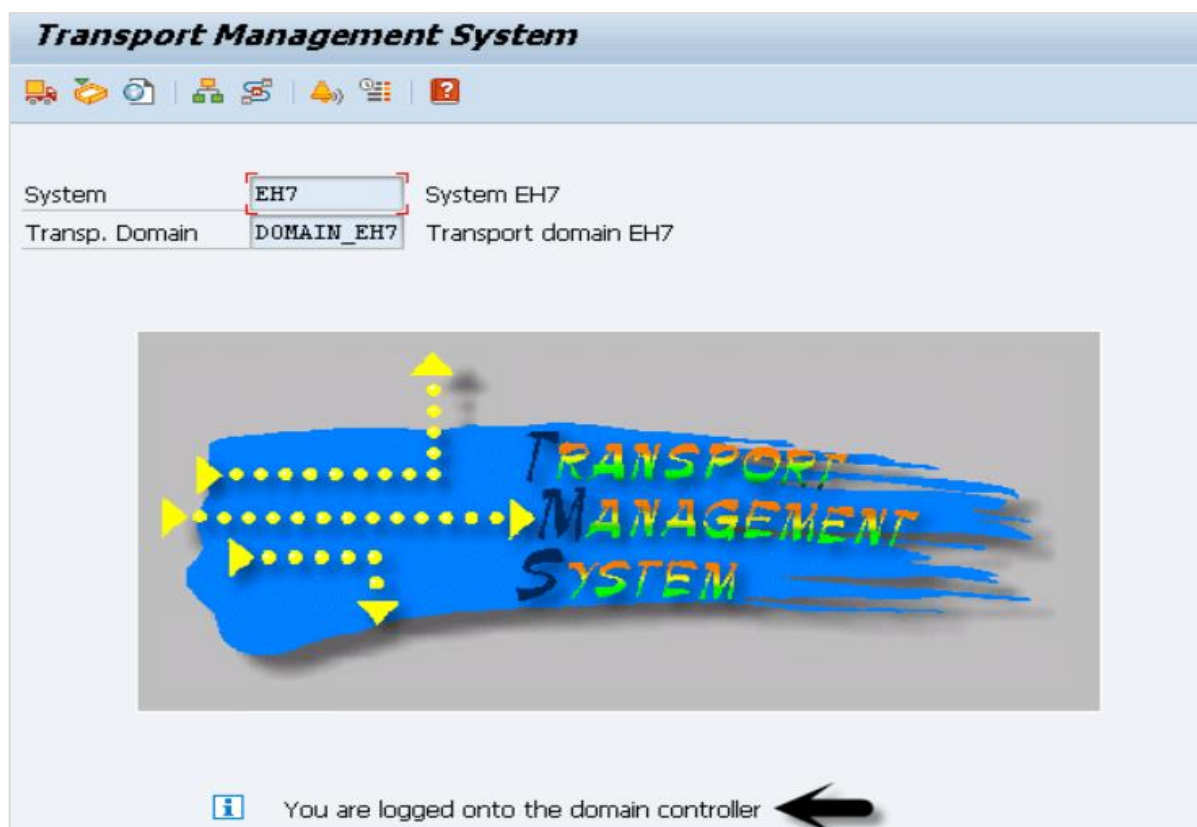
- No email notification while an error occurs during the transactional data integration.
- All error messages can be seen only in the runtime monitor of the SAP ERP and SAP Process integration by Ariba administrator.
- When you check T-code SLGI, it does not store detail of all error log in this transaction.

11. SAP Ariba — SAP ERP Transports

To integrate Ariba Procurement solution with SAP ERP system, you must download ERP transport to your procurement solution. While importing transports, you should define a target client while adding to the import queue. Transport management system in SAP system is installed and configured by SAP administrators.

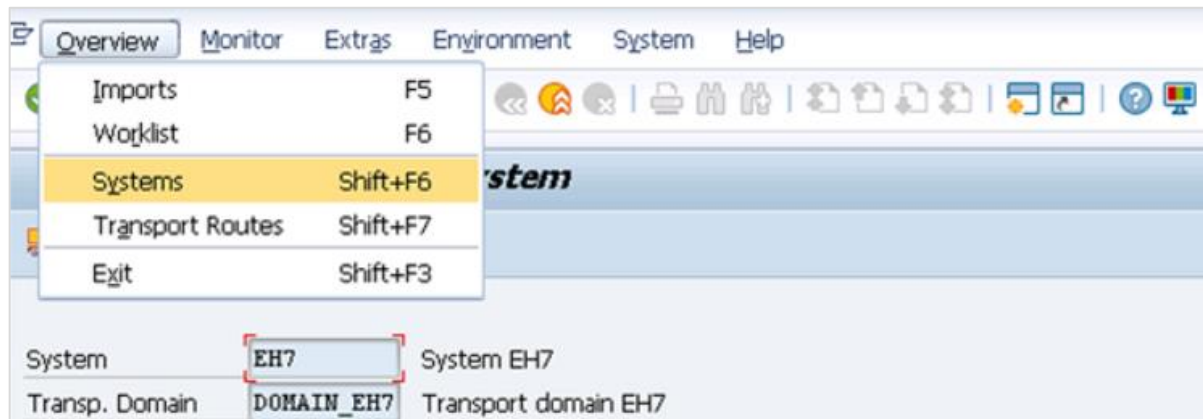
The sequence to install the transports is mentioned inside the "Readme.txt" file and this file is in the ZIP file that you download from connect.ariba.com. You can also import real time integration transport. However, you need to configure SAP ERP system to use real time system with your procurement solution.

To specify target client, you should use SAP Transport Management system, T-code: STMS



Log on to the SAP system, that you want to add as a System, in client 000 and enter the transaction code — STMS. If system is not added, TMS will check configuration file DOMAIN.CFG and will prompt you to create one. Click — Select the Proposal and Save. The system will remain in 'Waiting' status initially.

To complete the task → login to the Domain Controller System → Transaction STMS → Go to Overview → Systems. You can now see that a new system is available. Go to SAP System → Approve.

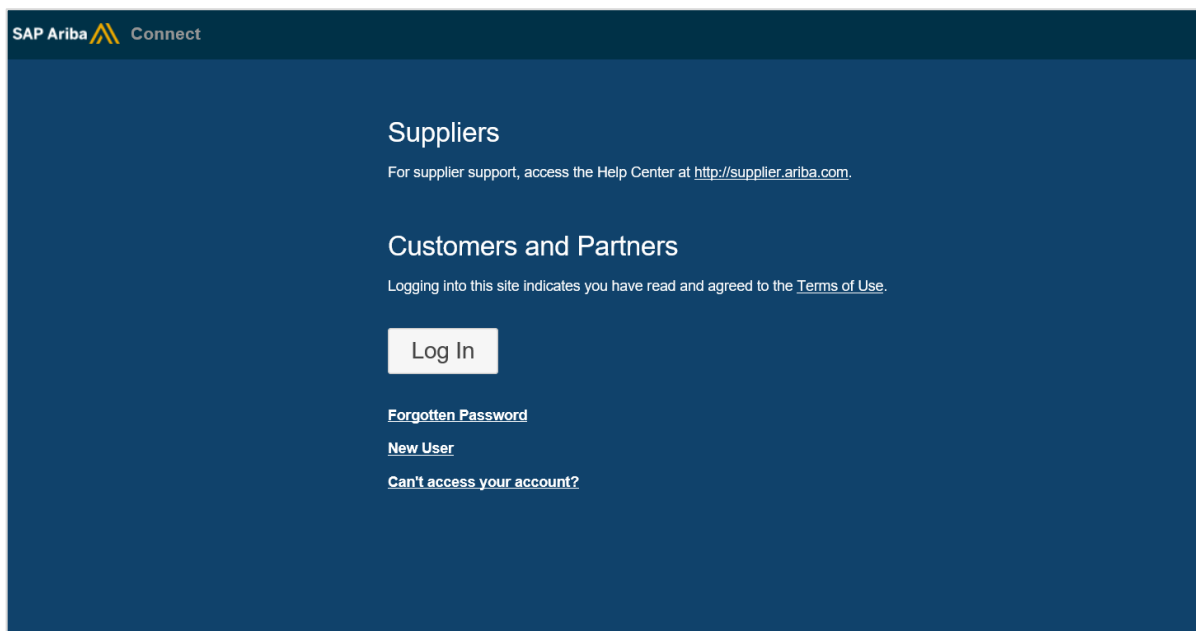


12. SAP Ariba — Downloading workbooks

Mapping workbooks are used to import/export data between Ariba Procurement Solution and ERP system. These mapping workbooks can be customized based on business needs. When an outbound transaction happens, data transforms from XML to cXML and is uploaded to Ariba Procurement Solution. For inbound transactions, it is reverse order – the data is transformed from cXML to XML and moved to ERP system.

Mapping workbooks can be downloaded from <https://connect.ariba.com> and you can customize the mapping of fields between XML and cXML based on your business requirements.

Step 1: To download mapping workbooks, login to <https://connect.ariba.com>.



If you do not have username and password for Ariba Connect, you can contact Ariba account executive. You can use any of the below options to manage your account -

- Forgotten Password
- New User
- Can't access your account

Ariba Connect

Log On

E-Mail, ID, or Login Name

Password

Remember me

[Log On](#)

[Forgot password?](#)

SAP® ID Service

Step 2: You have to click on Home tab -> Product Summary page, click Ariba Cloud Integration; this will further open Ariba Cloud Integration page.

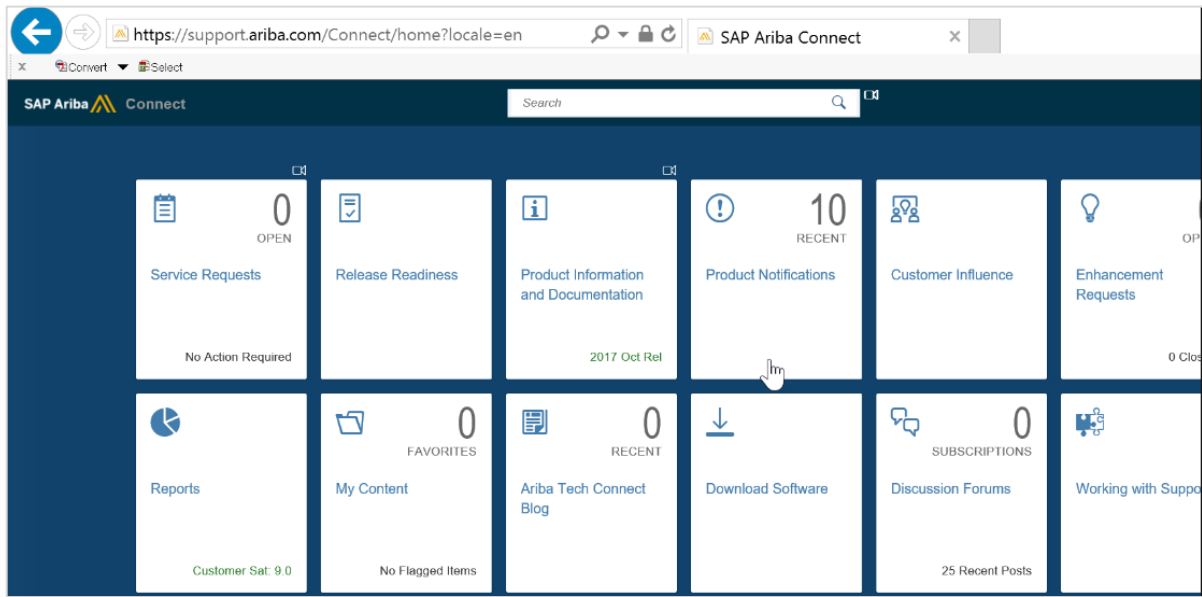
Step 3: Under the Integration Tools section, click Integration tools for Ariba **Procure-to-Pay**.

The Integration tools for Ariba Procure-to-Pay page appears.

Navigate to Integration Tools for SAP -> Tool and click Mapping Workbooks.

The Mapping Workbooks for Ariba Procurement Solutions integrated with SAP for Cloud Integration X.0 page appears. Click Download and specify a location on your hard drive to download the mapping workbooks.

Mapping workbooks are available for download in Zip format.

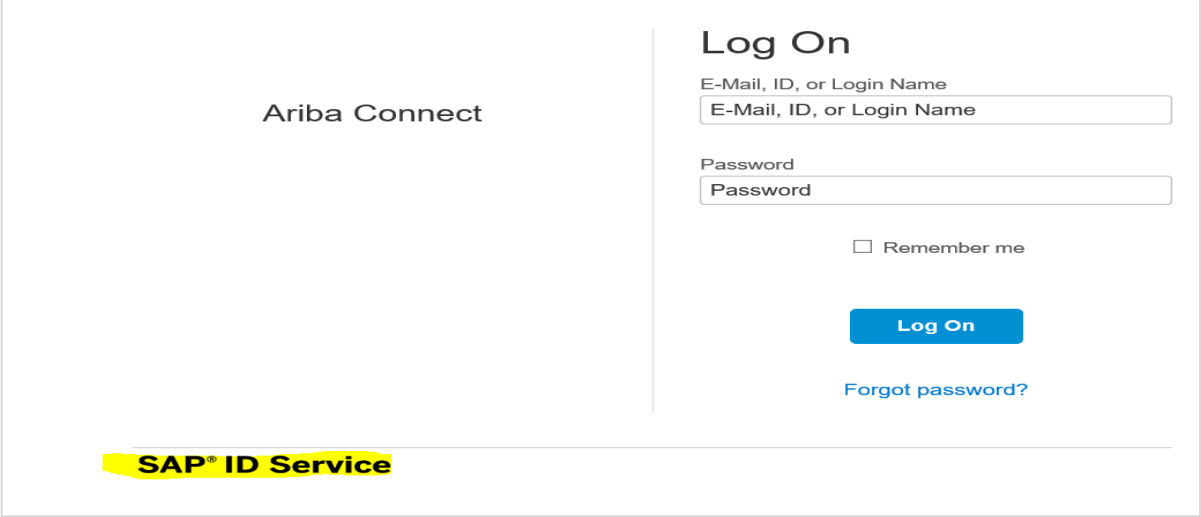


13. SAP Ariba — Installation

In this chapter, we will learn how to install SAP Ariba. Consider the following to install SAP Ariba:

- SAP Ariba Notes Installation
- SAP Ariba Adapter Installation
- Ariba Functional Configuration
- SAP Ariba Web Services Configuration
- Customizing Adapter as per business requirement

To install SAP Ariba Adapter, you need to go to support.ariba.com and login using your SID and password.



Ariba Connect

Log On

E-Mail, ID, or Login Name
E-Mail, ID, or Login Name

Password
Password

Remember me

Log On

[Forgot password?](#)

SAP® ID Service

To download software, you need to have a DSC (Designated Support Contact) ID. New users can register on the Ariba portal. Open <https://support.ariba.com> -> New User Registration

SAP Ariba Connect English

New User Registration

Review the registration guidelines and then complete the registration form. Once your request has been approved and processed, a confirmation email will be sent to you.

Email:

business emails only

First Name:

Last Name:

Job Title:

Company:

Relationship with Ariba: -- Please Select --

Region: -- Please Select --

Country: -- Please Select --

Phone

Country: -- Please Select --

Number:

Extension:

Registration Guidelines

1. Access to this site is targeted for use by customers and partners of Ariba, Inc. If you are a supplier inquiring about the Ariba Network, access the Help Center at <http://supplier.ariba.com>.
2. Accounts for this website are assigned on an individual basis: one account per contact.
3. Include a valid business email address. Personal email addresses, such as Yahoo or Gmail, cannot be accepted.
4. Please allow two to three business days to process your request. You will be contacted by email.

Type the text above: [Different Image](#)

You expressly agree and understand that your data entered into this system will be transferred to Ariba, Inc. and the Ariba hosted computer systems (currently located primarily in the U.S.), in accordance with the [Ariba Privacy Statement](#) and applicable law.

I agree

Access Level: Basic Access **Basic Access**
Grants the ability to search, display, and read information on Ariba Connect, receive notifications, view

[Terms of Use](#) [Copyright](#) [Security Disclosure](#) [Privacy](#)

Once you login to Ariba Portal, search for Ariba Network Adapter for SAP NetWeaver. As mentioned, Ariba Network Adapter is available only for DSCs.

SAP Ariba Connect Search

Product Documentation
[Ariba Network Documentation for Buyers](#)

Software Downloads
[Software downloads](#) for the Ariba Network adapters. (Only available for DSCs)

Ariba Network Adapter for SAP NetWeaver

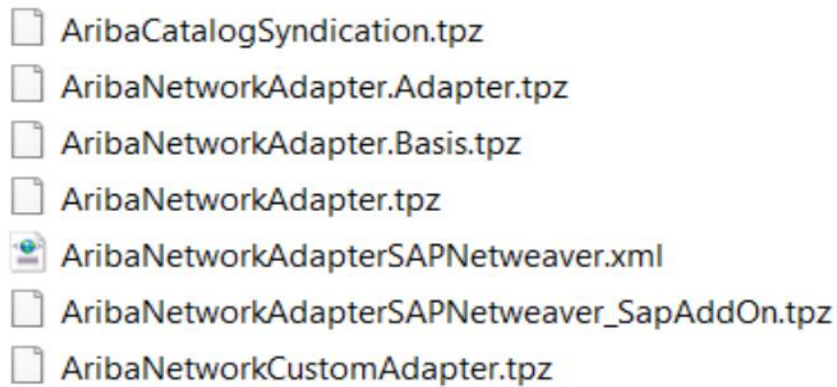
Information
[Overview](#)

Integration Tools

The following Data Transformation links contain the mapping worksheet for the Ariba Cloud Integration version. These mapping worksheets provide detailed information on the data transformation between the SAP ERP objects and the cXML fields for Ariba Network.

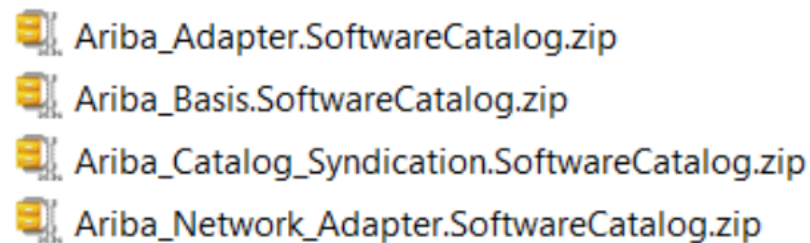
- Cloud Integration 9.0 SP2
[Data Transformation](#)
- Cloud Integration 9.0 SP1
[Data Transformation](#)
- Cloud Integration 9.0
[Data Transformation](#)
- Cloud Integration 8.0
[Data Transformation](#)
- Cloud Integration 7.0
[Data Transformation](#)
- Cloud Integration 6.0
[Data Transformation](#)

The next step is to Import required AN adapter files (.tpz) into SAP Enterprise Service Repository.



- AribaCatalogSyndication.tpz
- AribaNetworkAdapter.Adapter.tpz
- AribaNetworkAdapter.Basis.tpz
- AribaNetworkAdapter.tpz
- AribaNetworkAdapterSAPNetweaver.xml
- AribaNetworkAdapterSAPNetweaver_SapAddOn.tpz
- AribaNetworkCustomAdapter.tpz

You need to import the required Ariba Network product and component definitions (.zip) into System Landscape directory SLD.



- Ariba_Adapter.SoftwareCatalog.zip
- Ariba_Basis.SoftwareCatalog.zip
- Ariba_Catalog_Syndication.SoftwareCatalog.zip
- Ariba_Network_Adapter.SoftwareCatalog.zip

Below are Ariba troubleshooting codes that can be used to fix any of the issues -

Using SLG1 - Application Log: Display Logs Transaction Code

Display logs

Technical Information

Date/Time/User	Nu...	External ID	Object text	Sub-object text	Transac
11.04.2013 20:39:34 PURCHAS	19	515FE97D5783...	SRM BRF Trace	Schema	
11.04.2013 20:39:34 PURCHAS	19	515FE97D5783...	SRM BRF Trace	Schema	
11.04.2013 20:39:34 PURCHAS	5	515FE97D5783...	SRM BRF Trace	Level	
11.04.2013 20:39:34 PURCHAS	6	515FE97D5783...	SRM BRF Trace	Reviewer	
11.04.2013 20:39:34 PURCHAS	6	515FE97D5783...	SRM BRF Trace	Reviewer	
11.04.2013 20:39:40 PURCHAS	19	515FE97D5783...	SRM BRF Trace	Schema	
11.04.2013 20:39:44 WF-BATC	5	515FE97D5783...	SRM BRF Trace	Level	
11.04.2013 20:39:45 WF-BATC	6	515FE97D5783...	SRM BRF Trace	Reviewer	

T... Message Text

Using SXI_MONITOR - Message Monitor Transaction Code

Monitor for Processed XML Messages

Length of Output List: 200

Select Messages By

Status Group Status

Standard Selection Criteria | Advanced Selection Criteria

Date/Time

End of Execution From: 2014/03/28 / 12:35:26

End of Execution Until: 2014/03/29 / 00:00:00

Using SBGRFCMON - bgRFC Monitor Transaction Code

Status	Name of First Function Module	Transaction Code	Date	Time	M D	U
OO	/IWFND/FM_MGW_ODP_SEND_NOTIF		08.12.2014	17:21:28		11:21:48
OO	/IWFND/FM_MGW_ODP_SEND_NOTIF		08.12.2014	17:21:59		00:00:00
OO	/IWFND/FM_MGW_ODP_SEND_NOTIF		08.12.2014	17:26:29		00:00:00
OO	/IWFND/FM_MGW_ODP_SEND_NOTIF		09.12.2014	10:19:28		00:00:00

The following message types should be used to enable integration:

- OrderRequest (outbound)
- ConfirmationRequest (inbound)
- ShipNoticeRequest (inbound)
- ServiceEntryRequest (inbound)
- ReceiptRequest (outbound)
- InvoiceDetailRequest (inbound)
- CopyRequest.InvoiceDetailRequest (outbound)
- StatusUpdateRequest (outbound)
- PaymentProposalRequest (outbound)
- CopyRequest.PaymentProposalRequest (inbound)
- PaymentRemittanceRequest (outbound)
- PaymentRemittanceStatusUpdateRequest (outbound)

14. SAP Ariba — Configuration

After the installation of SAP Ariba and the sample data load is complete, Ariba tools undergo default configuration. The default configuration contains configuration files to define parameters.

Types of Configuration Files

There are two types of configuration files -

System Files

These files exist in the directory **BuyerServerRoot/ariba**. The files define the default Ariba Buyer configuration. You never change system files as part of an implementation.

Extension Files

These files exist in the directory **BuyerServerRoot/config** and these files are modified during implementation.

Note: To change Ariba configuration, you should modify the files in the config directory. The files in Ariba directory should not be modified.

Ariba buyers use different file extensions for different file types. The below table lists common file types in the Config directory-

Comma-separated value (CSV) files	.csv
Table files	.table
Metadata XML configuration files	.am1
Meta parameter XML files	.pm1
Wizard XML configuration files	.awz and .afr
Workflow XML definition files	.awf, .efm, and .awx
Administration XML configuration files	.acf
JavaScript files	.js
Ariba Web Language (AWL) files ¹	.awl

System & Application Parameters

In SAP Ariba, each configuration has one parameter set applicable to all partitions. Within config/parameters.table, parameters are grouped into two types. The types are described below:

System Parameters

These parameters are same across your configuration, at the server level. While the value of this parameter is set in the System section, it is applied to every partition that exists in your configuration.

Application Parameters

The values for these parameters are different for different partitions. While a value you set for this parameter in the Application section initially applies to all partitions, however it is possible to provide different values for different partitions as well.

You can also create custom parameters under system or application parameter section of config/parameter.table file. By default, you don't have any parameter under custom section.

Date Symbol in Ariba Buyer Configuration -

Key	Explanation	Data Type	Example
G	era designator	(Text)	AD
y	year	(Number)	1996
M	month in year	(Text & Number)	July 07
d	day in month	(Number)	10
h	hour in am/pm (1~12)	(Number)	12
H	hour in day (0~23)	(Number)	0
m	minute in hour	(Number)	30
s	second in minute	(Number)	55
S	millisecond	(Number)	978
E	day in week	(Text)	Tuesday
D	day in year	(Number)	189
F	day of week in month	(Number)	2 (2nd Wed in July)
w	week in year	(Number)	27
W	week in month	(Number)	2

a	am/pm marker	(Text)	PM
k	hour in day (1~24)	(Number)	24
K	hour in am/pm (0~11)	(Number)	0
z	time zone	(Text)	Pacific Standard Time
'	escape for text	(Delimiter)	
"	single quote	(Literal)	'

15. SAP Ariba — Security Details

You need to protect sensitive information and encrypt information in configuration files to protect it. Ariba buyer configuration files can contain sensitive information like computer names, passwords, or personal information. All these values are in plain text format and for protection, the values should be encrypted.

You can use **aribaencrypt** command and supply a string as an argument. This will update config/parameter.table with encrypted value.

Example

Use `aribaencrypt-key <key>`. Here, key is the name of an existing parameter in Parameters.table. This will ask you to confirm action and post confirmation, the key is properly encrypted and stored in Parameters.table. No further steps are required.

Securing Ariba Administrator Tasks

You need to secure the data through Ariba Administrator using the following -

- Access to integration events and scheduled tasks should be secured from Ariba Administrator by using ExecutePermissionPull integration event.
- It is also possible to implement file level security by using "EditPermissionPull" integration event.
- To ensure administrator tasks are secure, you need to change workspace and task permissions in the workspace configuration files.

HOME SOURCING CATALOG **ADMINISTRATION** MORE... Recent Manage Create

▼ Site Manager
Data Import/Export
Audit Log

▶ Integration Manager

▶ Master Data Manager

▶ Customization Manager

▶ User Manager

▶ Dashboard Manager

▶ Supplier Manager

▶ Catalog Manager

▶ Commodity Code Manager

▶ Contracts Manager

▶ Procure-to-Pay Manager

▶ Tax Manager

Welcome to Ariba Administrator

Ariba Administrator provides tools to manage your data.

Site Manager
Depending upon your configuration: Import and export data. Run scheduled tasks. View the audit log. Manage user sessions.

Integration Manager
Depending upon your configuration: Import and export data. Configure events. Configure external system connection information. Configure the integration shared secret.

Master Data Manager
Configure External Systems. Search & administer master data. Manage master data load requests.

Customization Manager
Depending upon your configuration: Work with brands and customize user interface text. View, add, modify, and delete partitioned commodity codes and partitioned commodity code maps. Import and export data.

User Manager
Manage users.

Dashboard Manager
Dashboard Manager

Supplier Manager
View, add, modify, and delete suppliers.

Catalog Manager
Manage catalogs.

Commodity Code Manager
Work with hierarchical commodity codes, including creating mappings between commodity code domains.

Contracts Manager
View and search for generated subscriptions.

You also need to secure different objects in Ariba configuration. This can be done by assigning read and edit permissions to object in ObjectPermission.csv file.

While using default configuration, ObjectPermission.csv file is in the below directory:

config/variants/Plain/partitions/None/data/ObjectPermission.csv

ObjectPermission.csv file contains the below fields -

Field	Description
ObjectClassName	The Java class name of the object.
FieldName	The name of a field in the class specified in ObjectClassName, in dotted field notation. You cannot specify a vector field, or a partition-specific field.
FieldValue	The value of the field specified in FieldName. The field value must be either a string or an integer.
ReadPermission	The permission you want to use to restrict read access to the object. It must match the UniqueName of a valid permission in your configuration.
EditPermission	The permission you want to use to restrict edit access to the object. It must match the UniqueName of a valid permission in your configuration.

16. SAP Ariba — Logging and Auditing

In SAP Ariba buyer configuration, BuyerServerRoot/logs contains log files. Few of the files also contain the node name from which the files have been generated.

The below table lists down a few common log files of the log directory. Ariba Administrator can download any of the log files using log files task option -

File Name	Description
LoadDBLog.txt	Contains messages generated during the data loading process.
BuyerNode1Log.txt	The main log file for Ariba Buyer.
AribaBuyerbuyerserver1InspectorAuditLog.txt	Logs messages generated by Inspector activity.
AribaMetaConfigurationLog.txt	Logs messages associated with metadata XML files.
AribaOrderTransmitterLog.txt	Logs order transmission messages.
classMetrics-nodename.txt metrics-nodename.csv	Contain Ariba Buyer performance data.
configuration.txt	Contains messages generated during configuration.
configureasmsharedlog.txt	Contains messages generated by the Ariba Spend Management integration program. For more information, see the <i>Ariba Spend Management Integration Guide</i> .
dbinit.txt	Contain messages generated during the database initialization process.
emptychannel.channel.txt	Created when you run initdb with the -emptychannel option.
EmptyDBLog.txt	Log messages associated with the emptydb phase of initdb.
initchannel.channel.txt	Log messages generated during the channel initialization process. channel is the name of the integration channel. This file is created when you run initdb with the -initdball or -initchannel option.
installlog.txt	Log messages generated during the installation.
j2eeSetupLog.txt	Records the running of the j2eesetup script, which is invoked by the configure command. This log is in BuyerServerRoot/etc/install/logs.
j2eeSetupLog.txt	Records the running of the j2eesetup script, which is invoked by the configure command. This log is in BuyerServerRoot/etc/install/logs.
loadchannel.channel.txt	Created when you run initdb with the -loadchannel option.
LoadMetaLog.txt	Log messages associated with the loadmeta phase of initdb.

17. SAP Ariba — Comparison With Other Tools (SRM and Service Now)

When we compare SAP Vendor Management systems like SRM or SAP Ariba system with ServiceNow, ServiceNow is considered as an IT Service Management software which is used to transform IT services and infrastructure using single cloud based platform.

Service Now tool is used to automate IT Service management processes, it is primarily used for managing technology-based Service Management tasks to initiate workflows, approval tasks, and other IT Service management processed.

The following image shows common features which are available in Service Now Jakarta edition -



Comparison of SAP Ariba with Service Now

When you compare **SAP Ariba with Service Now**, **Ariba** is open to all systems and all types of goods and services, and provides an option to connect to all types of suppliers and buyers on a single global network.

Using Ariba Network (AN), you can collaborate with the right business partners, and enhance your solution with targeted apps and extensions. When users are connected to AN, it allows you to connect to millions of suppliers and merchandisers (direct or indirect). Following are the key features provided by the SAP Ariba network -

- One of the key advantages of using Ariba solution is that it simplifies procurement and sourcing process with easy synchronization to SAP SRM and other ERP software.
- It enhances the experience of suppliers and buyers by creating digital transformation to supply chain process.
- With cloud-based solution, SAP Ariba can be accessed from different locations with a very low initial capital cost for setting up the solution.
- There is easy setup of key procurement processes – Procure to pay (integration of purchase department with Accounts payable department), Procure to Order by maintaining shopping carts.
- SAP Ariba enables easy transfer of master data – organization structure, suppliers and GL data to Ariba solution using optimal way of integration.
- SAP Ariba offers an end-to-end automated system that removes complexity and allows buyers and suppliers to manage everything from contracts to payments all in one place.

SAP SRM (Supplier Relationship Management)

SAP SRM is a SAP product that facilitates the procurement of goods via a web-based platform. Organizations can procure all type of products like direct and indirect material, services and this can be integrated with SAP ERP modules and other non-SAP backend systems for accounting and planning.

SAP SRM allows you to optimize your procurement process to work effectively with suppliers to get long term benefits and also to perform forecasting, procurement cycle and to work with partners. You can reduce the time span and costing of procurement cycle using innovative methods to manage business processes with key suppliers.

SAP SRM supports the full procurement cycle, i.e., starting from source and purchase to pay through complete procurement process with suppliers and effectively managing supplier to build long-term relationship.

SAP SRM helps you to emphasize supplier performance management, streamline the procurement operations, put compliance with contracts and purchasing policies, and improve overall cost management and expenditure.

The future of SAP SRM is SAP S/4 HANA and SAP Ariba system for exceptional procurement and vendor management capabilities. When you have SAP S/4 HANA implemented, you can easily extend your procurement solution from on-premise solution to cloud and it allows to exchange information, improve visibility with great efficiency and effectiveness with your suppliers.



Comparison Scorecard

KPIs	SAP Ariba	ServiceNow
Integration with SAP S/4HANA system	SAP Ariba can be easily integrated without the use of any middleware or SAP PI/HCI can be used for integration purpose.	Need 3 rd party plugins/middleware to integrate. Not standard integration and need some expertise to expose Web Services for integration or JCo option for integration.
Primary Functionality	Ariba is a cloud-based solution for sourcing, contracts, spend visibility, procurement and Ariba Network.	ServiceNow is basically a ticketing tool used to manage Technology Service Management tasks. It provides a centralized service catalog for personnel to

		request for technology services or information about applications and processes that are being used in the system.
Meeting Vendor Management KPI's	With use of preconfigured workflows based on best practices, easy to automate approval processes for invoice management, procure to pay workflows, etc.	ServiceNow system can automatically generate an approval request to individuals or groups when specific criteria are met; however, customization of approval process depends on vendor management data.
Other Benefits	<ol style="list-style-type: none"> 1. Ariba offers an end-to-end automated system that removes complexity and allows buyers and suppliers to manage everything from contracts to payments all in one place. 2. Ariba Network is one of the key components, which provides a cloud-based B2B marketplace where buyers and suppliers can find each other and do business on a single platform. 	Already in place and can be used for ticket management.
Costing	SAP Ariba has four pricing plans — Select, Premier, Enterprise, and Enterprise Plus. The plans cost \$50, \$495, \$2,495, and \$7,495 per month, respectively. To get quotation, you can also reach- https://www.ariba.com/support/customer-hub	Service Now cost depends on required version.
Reporting	With use of custom and compound reports in Ariba, it is much more advanced as compared to standard reporting in an ERP system. Following report types are supported in Ariba system: <ul style="list-style-type: none"> • Prepackaged Reports • Investigate Data • Custom Reports 	Vendor management reports depend on vendor management data. Limited reporting functionality as compared to Ariba reporting feature.

	<ul style="list-style-type: none">• Multi-fact Reports• Exporting Reports• Compound Reports	
--	---	--

18. SAP Ariba – Solution areas

In SAP Ariba cloud solution, following solution areas are covered:

- SAP Ariba Supplier Management: It manages supplier information, lifecycle, performance, and risk all in one place and can be accessed from anywhere.
- SAP Ariba Strategic Sourcing: It manages sourcing, contracting, and spend analysis processes for all types of spend – direct materials, indirect materials, and services.
- SAP Ariba Solutions for Direct Spend: Helps to connect the people, partners, processes, and information needed to manage all design-to-deliver activities.
- SAP Ariba Procurement: Helps in achieving compliance, visibility, and control while cutting costs and risks.
- SAP Ariba Financial Supply Chain – This closes the source-to-settle loop by boosting free cash flow, freeing up working capital, and delivering more bottom-line value.

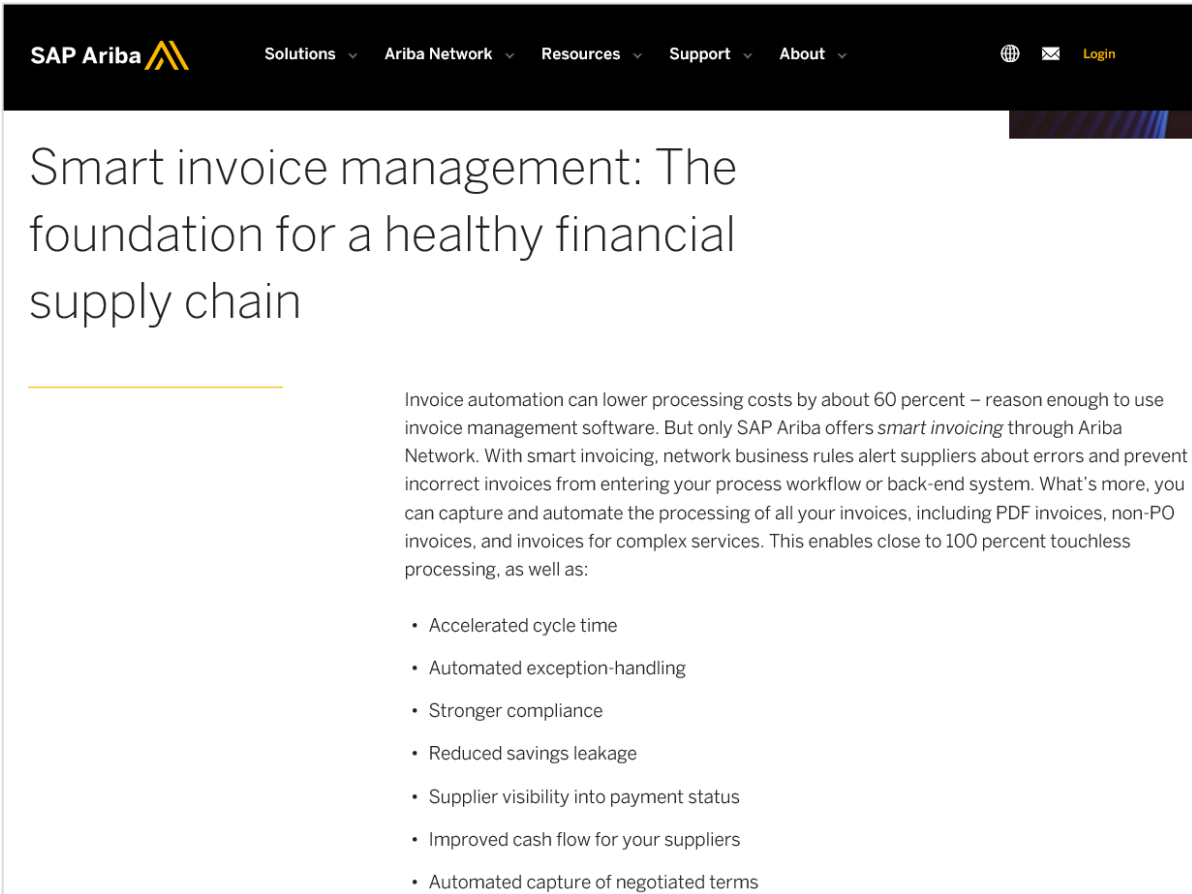
Module Name	SAP ERP On-premise system	Ariba Cloud based software
Spend Analysis	SAP Spend Performance Management	Ariba Spend Visibility
Sourcing	SAP Sourcing and SAP SRM	Ariba Sourcing & Ariba Discovery
Contract Mgmt	SAP Contract Lifecycle Mgmt and SAP SRM	Ariba Contract Management
Operational Procurement	SAP ERP-MM and SAP SRM; SAP Commodity Procurement	Ariba Procure-to-Pay, Services Procurement, & Procurement Content
Invoice Mgmt	SAP Invoice Mgmt by OpenText	Ariba Invoice Management, Payment Mgmt and Discount Mgmt
Supplier Information & Perf Mgmt	SAP Supplier Lifecycle Management	Ariba Supplier Information & Performance Management
Supplier Collaboration	Ariba Network	
Mobile Procurement	SAP Unwired Platform	

19. SAP Ariba — Configurable workflows

SAP Ariba modules provide easy to use workflow designs that do not need customization by technical experts. It provides preconfigured workflows based on best practices that you can use right way. With the use of drag-drop functionalities, you can easily modify rules and with the use of workflow builder, users can easily build, test and deploy workflows.

<https://www.ariba.com/solutions/solutions-overview/financial-supply-chain/invoice-management>

There are different configuration workflows that can be used.



The screenshot shows the SAP Ariba website header with navigation links: Solutions, Ariba Network, Resources, Support, and About. The main content area features the title "Smart invoice management: The foundation for a healthy financial supply chain" and a paragraph explaining the benefits of invoice automation. A list of benefits is provided below the paragraph.

Smart invoice management: The foundation for a healthy financial supply chain

Invoice automation can lower processing costs by about 60 percent – reason enough to use invoice management software. But only SAP Ariba offers *smart invoicing* through Ariba Network. With smart invoicing, network business rules alert suppliers about errors and prevent incorrect invoices from entering your process workflow or back-end system. What's more, you can capture and automate the processing of all your invoices, including PDF invoices, non-PO invoices, and invoices for complex services. This enables close to 100 percent touchless processing, as well as:

- Accelerated cycle time
- Automated exception-handling
- Stronger compliance
- Reduced savings leakage
- Supplier visibility into payment status
- Improved cash flow for your suppliers
- Automated capture of negotiated terms

From the same link, you can check other existing configurable workflows in Ariba solution:

✓ **Cloud-based Electronic Invoicing**

Tame the complexity of invoice processing on a global scale with an integrated solution suite for managing all your invoices.

[Learn more →](#)

✓ **SAP Ariba Invoice Management**

Streamline the capture, processing, matching, and approval of all your invoices with this workflow solution.

[Learn more →](#)

✓ **SAP Ariba Contract Invoicing**

Enforce compliance by enabling invoicing from contracts and automatic matching of invoices to contracts.

[Learn more →](#)

✓ **SAP Ariba Services Invoicing**

Create and approve service entry sheets in real time, then quickly generate error-free invoices from them.

[Learn more →](#)

✓ **Global Invoicing and Compliance**

Put the power and reach of Ariba Network to work, achieving compliant, paperless invoice processing on a global scale — including VAT/tax compliance and data archival.

✓ **Supplier Enablement Services**

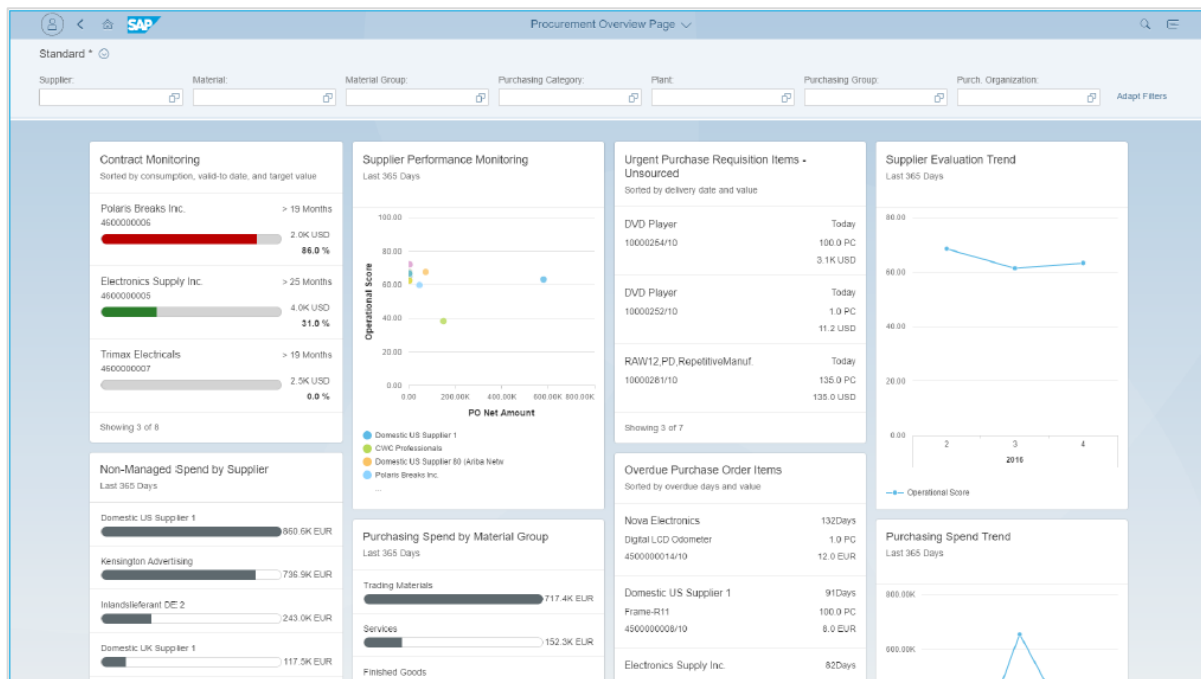
Use self-service tools to automate onboarding and interactions for any supplier, anywhere in the world. And if you need help, we have experienced service teams at the ready.

20. SAP Ariba — Reporting options

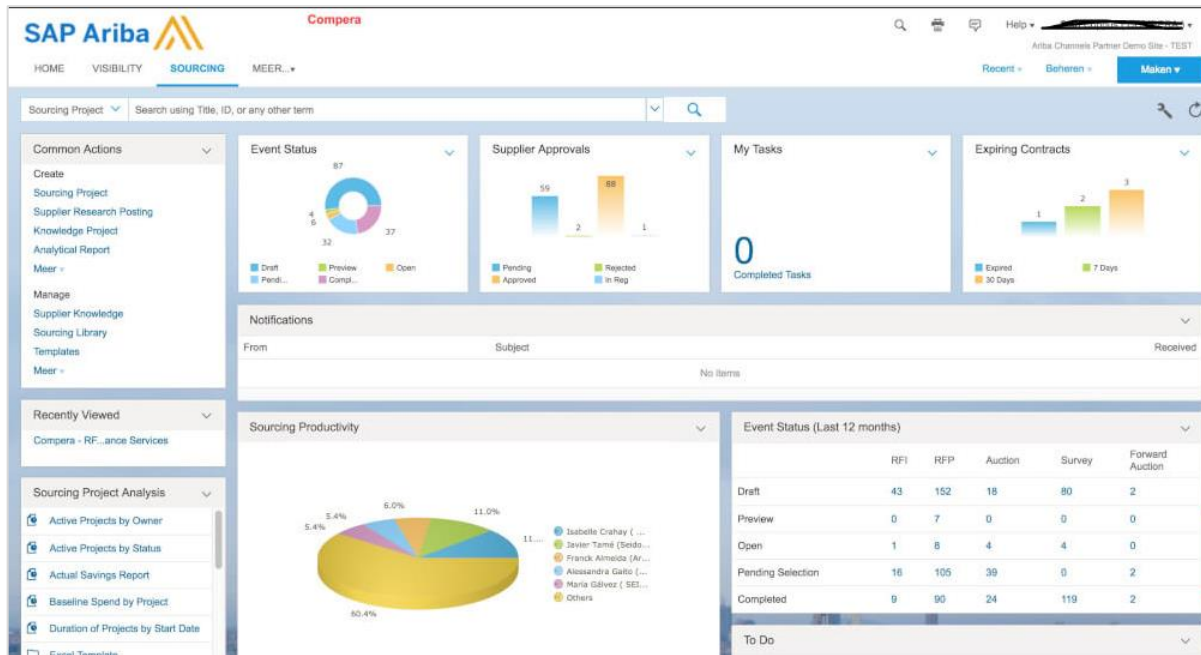
In this chapter, we will see the Report Types supported in the Ariba system:

- Prepackaged Reports
- Investigate Data
- Custom Reports
- Multi-fact Reports
- Exporting Reports
- Compound Reports

Apart from this, if you are using SAP S/4 HANA system, it also provides different standard reports w.r.t. Procurement system.



There are various dashboards' views under each Ariba module that can be customized based on the requirement and used for reporting purpose.



In SAP Ariba, users can also modify CSV files that pull report data, to specify report properties or permissions. Report properties can be changed using the below integration events -

- **ReportQueryPull Integration Event:** This is used to Query API queries associated with each report.
- **ReportMetaPull Integration Event:** This event is used to define report visualization and appearance of each report in Ariba system.
- **ReportPermissionMap.csv File:** This defines list of reports in Ariba system and it contains one line for each report.
- **ReportColumnMeta.csv File:** This is used to define column name in each report.

21. SAP Ariba — Integration with S/4 HANA

SAP S/4 HANA integration with the Ariba Network is native to SAP S/4HANA and this can be performed as part of SAP S/4HANA with guided configuration. You can navigate to “Ariba account settings” and it doesn’t require use of middleware. To meet your organization policies, you can integrate using a middleware like SAP Process Orchestration PI/PO on-premise or SAP HANA Cloud Integration HCI in the cloud. SAP also provides best practices to show you which mediated connectivity alternatives should be used for integration.

With the integration of SAP S/4HANA and Ariba, cloud allows the following processes:

- Purchase order collaboration
- Invoice collaboration
- Service procurement
- Discount management
- Payment

The Ways of Connecting SAP S/4HANA With The Ariba Network

There are three ways of connecting SAP S/4HANA with the Ariba Network:

Direct connectivity

You establish a system connection between SAP S/4HANA and the Ariba Network without using middleware. Under Ariba account settings, you have direct connectivity option.

Mediated connectivity using HCI

You establish a system connection using SAP HANA Cloud Integration between SAP S/4HANA and the Ariba Network.

Mediated connectivity using PI

You establish a system connection using middleware between SAP S/4HANA and the Ariba Network.

The SAP Process Integration design packages (TPZ files) are available on this link <https://connect.ariba.com> in a ZIP file. You must download the ZIP file and extract the files for your required version.

You can also refer to SAP Note 1991088 to know more about integration.

22. SAP Ariba — Best Practices for integration

For integration between SAP S/4 HANA and Ariba Network, you should use SAP Activate and best practices. To check best practices, open URL- <https://rapid.sap.com/bp/>

Navigate to SAP S/4HANA -> Integration -> SAP Best Practices for SAP S/4HANA integration with Ariba Solutions

Solution Packages(72)		SAP S/4HANA
A-Z Index	72	
▼ SAP S/4HANA	11	
On-Premise	6	
Cloud	2	
Integration	4	
Migration	1	
Industries	1	
> Lines of Business	39	
> Industries	5	
> Technology	16	
> Cloud	15	
> SAP ERP	1	
> Recent Updates	2	
> Partner Solutions	22	

Solution Packages	
	SAP Best Practices for SAP S/4HANA (on premise)
	SAP Best Practices for analytics with SAP S/4HANA
	SAP Extended Warehouse Management integration with SAP S/4HANA rapid-deployment solution
	SAP Extended Financial Planning rapid-deployment solution
	SAP Best Practices for SAP Hybris Billing
	SAP S/4HANA Chemicals trial with industry best practices
	SAP Best Practices for SAP S/4HANA Cloud
	SAP Best Practices for SAP S/4HANA integration with SAP Cloud for Customer
	SAP Best Practices for SAP S/4HANA integration with SAP Commerce
	SAP Customer Activity Repository for SAP S/4HANA Retail rapid-deployment solution
	rapid data migration to SAP S/4HANA (on premise)

Following is the link of SAP best practices explorer to learn SAP Ariba network integration with S/4 HANA for different scope items -

<https://rapid.sap.com/bp/#/browse/search?q=Ariba&from=0&size=50>

The screenshot shows the SAP Best Practices Explorer interface with the search term 'Ariba'. The results are filtered by 'Scope Item(10)'. The following table summarizes the search results:

Scope Item	Description
SAP Ariba Commerce Automation Integration (J82)	This scope item (for purchasing experts and accounts payable accountants) lets you focus on value-driving activities with SAP Ariba Commerce Automation integration with your suppliers in the Ariba Network, and lets you drive productivity with nearly touchless orders and invoices.
SAP Ariba Payables Integration (190)	Boost efficiency in accounts payable and cash management as you integrate and automate payments. With dynamic discount capabilities on the Ariba Network, you can pay your suppliers early and save cash.
Ariba - Purchase Order to Invoice Integration with Procurement (24Z)	The scope item describes process to automate the Purchase Order to Invoice Integration. Digitized collaboration with suppliers in the Ariba Network supports in speeding up procurement processes.
Ariba - Quote Automation Integration for Procurement (32P)	This scope item supports you manage pricing among suppliers. Quote automation with Ariba Network integration allows you to digitally request price updates from your suppliers.
Ariba - Sourcing Integration (2GW)	This scope item connects your SAP S/4HANA digital core for Sourcing and Procurement to the Ariba Network and Ariba Collaborative Sourcing.
SAP Ariba Sourcing Integration (1A0)	Extend your SAP S/4HANA operational procurement processes to SAP Ariba Sourcing and select the most cost-effective bids from millions of suppliers on the Ariba Network. Once awarded, you can automatically convert bids in SAP Ariba Sourcing to purchase orders or operational contracts in SAP S/4HANA.
IBP - Business Network Collaboration - supplier commit with SAP Ariba (2P2)	Share an unconstrained component forecast with your suppliers in SAP Ariba and receive committed quantities for your further constrained supply planning.

To open any of the best practices, you can click on any link and it will show business benefits and process flow under that best practice.

The screenshot shows the details page for 'SAP Ariba Payables Integration (190)'. The page includes a description, version information, and a direct link to the scope item. The description states: 'Boost efficiency in accounts payable and cash management as you integrate and automate payments. With dynamic discount capabilities on the Ariba Network, you can pay your suppliers early and save cash.' The version is 'USA' and the language is 'English'. The direct link is 'https://rapid.sap.com/bp/scopeitems/190'. The page also lists business benefits and key process flows.

Business Benefits:

- Pay with more flexible terms
- Use working capital better
- Reduce inquiries about payments from suppliers
- Increase productivity in accounts payables department

Key Process Flows:

- Upon receiving supplier invoices in SAP S/4HANA Accounts Payable, automate negotiating new payment terms for early payment using SAP Ariba discounting capabilities
- Forward updated payment proposal to your suppliers on the Ariba Network
- Receive confirmation of new payment terms from your suppliers on the Ariba Network
- Start payment run
- Automatically send remittance advice to supplier via Ariba Network

COUNTRY/REGION RELEVANCE:

This scope item version is relevant for the following countries or regions:

SAP Ariba Developer Job Responsibilities

Following are the various requirements and responsibilities of a SAP Ariba Developer:

- Experience of Ariba integration with backend ERP systems and 2-4 full life-cycle implementations of Ariba applications.
- Technical knowledge of Ariba solutions and products.
- Ariba On Demand implementation experience, should include experience in one or more of the following areas:
 - SAP Ariba Procurement capabilities including SAP Ariba Buying and Invoicing, SAP Ariba Guided Buying, SAP Ariba Catalog and SAP Ariba Invoice Management.
 - SAP Ariba Commerce Automation, Payables and Supply Chain Collaboration using the Ariba Network.
 - Experience of SAP Ariba integration with SAP S/4HANA, SAP ERP or other non-SAP backend systems.
 - Knowledge of implementing SAP Notes and best practices for integration.
 - Knowledge of customizing a solution as per business requirement and the ability to convert business requirements into technical specifications.