Simplify Hybrid and Cloud Integration
Integrating SAP Business Suite and SAP Ariba Solutions: Streamlined Source to Pay

The hybrid integration scenarios for Ariba Sourcing, Ariba Contracting, Purchase Order and Invoice Automation on the Ariba Network, Ariba Collaborative Supply Chain, and SAP SRM, SAP ERP Sales and Distribution (SD), offer business process integration between SAP Business Suite and SAP Ariba Network.

They address the business needs for reducing the operational cost of exchanging procurement documents between buyers and suppliers, while optimizing efficiencies in the Source-to-Pay process by digitizing the exchange of documents and by using configurable business rules to automate processing.

Big Picture: Integrating SAP Business Suite with SAP Ariba Solutions

1. Integrate with SAP Ariba Solutions using choice of:
   • Web services and direct connectivity
   • SAP HANA Cloud Platform, integration service
   • SAP Process Orchestration

- What is it and how does it work?
- How to realize the integration
- Prerequisites
- Further Information
WHAT IS IT AND HOW DOES IT WORK?

SAP Ariba integration scenarios with SAP Business Suite enable you to

- Electronically initiate price inquiries, or find sources of supply for purchase requisitions without assigned suppliers, or have pre-selected suppliers bid to achieve the lowest price for a commodity or service to be procured and digitized contract management for more efficient contract processing
- Electronically transfer Purchase Orders to your suppliers, and conversely receive their order confirmations, advance shipping notices, and invoices. You can establish rules on the Network that ensure the invoices won't exceed the ordered values, or allow for tolerances, as the case may be
- Electronically exchange documents in a Collaborative Supply Chain, enabling processes like Schedule Agreement Releases, Consignment, and Subcontracting or Contract Manufacturing.

As a supplier with SAP ERP SD, connect your Sales and Distribution to Ariba Network to automate sales order creation, and invoice collaboration.

Sourcing and Contracting

Process Flow: Sourcing to Contract or Purchase Order

[Diagram showing process flow with SAP ERP, SAP Ariba Network, SAP Ariba Sourcing, and SAP Ariba Contracting]
Quote Automation

Process Flow: Quote Automation to Purchase Order

Legend: □ Process step (mainly manual) □ Process step (mainly automatic) □ Start process □ End process

SAP ERP
Role: Purchaser
Purchase Requisition
Request for Quotation (RFQ) of Type "Price Request"

Public Cloud
Roles: Buyer, Supplier
Create Quote Event
Receive Quote Event Notification
Submit Price Quote until Quotation Submission Deadline
Submit collected quotes
Send submitted Quotes
Receive submitted Quotes

Award Quote(s)

Create Purchase Order

Purchase Order to Invoice Processing

Process Flow: Purchase Order and Invoice Automation or Collaborative Commerce


SAP ERP or SAP ERP and SAP SRM
Buyer roles: Purchaser, accounts payables clerk
Create PO
Send PO
Update PO
Post goods receipt
Confirm or adjust receipt
Post invoice receipt

SAP Ariba Ariba Network
Supplier roles: Supplier, sales, delivery, account receivables employees
Receive PO
Confirm PO
Send advance shipping notice
Deliver material or services
Receive GR confirmation
Sending billing
Process Flow: Invoice, Discount and Remittance Processing


Buyer roles: Accounts payable clerk

- Post invoice receipt
- Approve or release invoice
- Suggest early-payment discount
- Receive discount confirmation
- Payment run

Public Cloud
Supplier roles: Supplier, account receivables clerk

- Update billing status
- Receive discount suggestion
- Approve discount suggestion
- Receive remittance advice
Collaborative Supply Chain: Schedule Agreement Release

Process Flow: Schedule Agreement Release Orders


- **SAP ERP**
  - Buyer roles: Accounts payable clerk
  - Create schedule agreement release
  - Create inbound delivery
  - Display inbound delivery
  - Post goods receipt
  - Receive invoice or create CC invoice
  - Payment run

- **SAP Ariba Ariba Network**
  - Supplier roles: Supplier; account receivables clerk
  - Receive purchase order of type release
  - Display PO
  - Create ship notice
  - Receive goods receipt
  - Check goods receipt (optional)
  - Create invoice or receive CC invoice
  - Receive remittance advice

Initiated by supplier or buyer
Collaborative Supply Chain: Consignment

Process Flow: Consignments

Legend:  
- Process step (mainly manual)  
- Process step (mainly automatic)  
- Start Process  
- End Process

Buyer roles: Purchaser, warehouse clerk, accounts payable clerk

Supplier roles: Sales, account receivables clerk

- Create consignment PO  
- Review order confirmation  
- Create inbound delivery  
- Post goods receipt to consignment  
- Withdraw from consignment stock  
- Create settlement invoice  
- Payment run  

- Review consignment PO  
- Create order confirmation  
- Create ship notice  
- Receive goods receipt  
- Update goods consignment status  
- Receive invoice  
- Receive remittance advice
Collaborative Supply Chain: Subcontracting

**Process Flow: Contract Manufacturing, Subcontracting**

- **Legend:**
  - [ ] Process step (mainly manual)
  - [ ] Process step (mainly automatic)
  - [ ] Start Process
  - [ ] End Process

- **Buyer roles:** Accounts payable clerk
- **Supplier roles:** Supplier, account receivables clerk

**HOW TO REALIZE THE INTEGRATION**

SAP provides predefined integration and field mappings for:

- Sending Requests for Quotation from SAP ERP electronically to Ariba Sourcing via the Ariba Network, and receiving awards for ERP Purchase Orders or ERP Contracts with the help of Ariba Contract Management in return. Ariba Sourcing and Ariba Contracting connectivity is enabled through SAP Process Orchestration (PI).
- Sending Requests for Quotation from SAP ERP electronically to Ariba Network, where suppliers’ quotes will be collected in Ariba Discovery and returned to SAP ERP where quotes can be awarded.
- Sending Purchase Order data from SAP ERP or SAP SRM electronically to the SAP Ariba Network, receive Purchase Order Confirmations, Advance Shipping Notices, and Invoices from suppliers on the Network.
- Sending Invoice status updates and payment notifications (remittance advices) to suppliers, and take advantage of discounts for early payments.
- Exchanging electronic messages to process Schedule Agreement Releases in a supply chain.
- Exchanging electronic messages to process Consignments in a supply chain.
- Exchanging electronic messages for Subcontracting.

SAP Best Practices guide your integration with the Ariba Network step by step, based on standardized and tested procedures. They have been defined to reduce your efforts and risks, for you to achieve predictable results.
PREREQUISITES

Required software components:

- SAP Business Suite ERP (ECC 6 SPS 16, or EhP 2 to 7) or ERP with SRM (7 EhP 0 to 3)
- Optional middleware such as SAP Process Orchestration (SAP NetWeaver Process Integration 7.4), or SAP HANA Cloud Platform, integration service (See table for more details)

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<thead>
<tr>
<th>RDS Scope items and supporting connectivity technologies</th>
<th>Direct – SAP Business Suite Add-On</th>
<th>SAP Business Suite Add-On mediated with SAP NW PI or with HCI</th>
<th>Ariba Cloud Integration adapter or SAP NW PI or with HCI</th>
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FURTHER INFORMATION

- SAP Ariba Network Integration with the SAP Business Suite rapid-deployment solution
- Ariba Collaborative Payables Management
- Ariba Collaborative Supply Chain
- Ariba Sourcing
- Ariba Contract Management
- Ariba Quote Automation
- SAP Best Practices for SAP S/4HANA integration with SAP Ariba Solutions
- Ariba SAP Integration Whitepaper
- SAP SRM extended classic scenario