Integrated Business Planning
Operational Supply Planning – Supplier Commit Scenario with Ariba

Andrew Boyle, Ralf Heimburger
July 23, 2019

PUBLIC
Contents

• Supplier Commits in Operative Planning (Use Case)

• Functionality Review & Demo

• Configuration & Setup

• Other Considerations
SAP Integrated Business Planning

Supply Chain Control Tower
End-to-End Visibility, Exception Handling and Collaboration

IBP for Sales & Operations
Strategic and Tactical Decision Processes

IBP for Demand
Demand Sensing & Statistical Forecasting

IBP for Inventory
Multi-Stage Inventory Optimization

IBP for Response & Supply
Order based planning – Allocations Planning, Order Rescheduling, Deployment
Unconstrained & Constrained Supply Planning

SAP HANA
SAP Integrated Business Planning for Response & Supply

Fast, flexible supply planning supporting a variety of approaches, suitable for many industries, including:

- Support of **tactical** (time series) supply planning in the context of S&OP
  - Unconstrained heuristics or constrained optimization
  - What-if analysis

- Support of **operational** supply planning (orders)
  - Creates supply orders (planned orders, purchase req., distribution req.)
  - Generates allocations to feed to live ATP process
  - Constrained priority rules-driven planning, optimization and heuristics (roadmap)
  - What-if analysis
  - New order data store and tight integration with ERP

- Support of **response** planning (orders)
  - Adjust \ create supply orders, and reschedule sales orders
  - Deployment planning
  - What-if analysis
  - New order data store and tight integration with ERP
Why Product Allocations?

*With long lead times and a difficult-to-coordinate distributed supply chain, High Tech OEMs will often put products “on allocation.”*

Goal: In order to ensure that product is assembled and sold considering organizational constraints priorities, a High Tech OEM will determine what customers can buy which product, and in what quantity, typically before a sales order is ever received.

Inputs:
- Demands (like forecast)
- Customer, Product, and Organizational priorities,
- Inventory and capacity availability
- Supplier & Subcontractor Commitments

Outputs: A Product Allocation policy that can be used to constrain the orders later received from customers.
**Product Allocation Creation**

**Weekly Cycle Example**

### Process Start
- Validate Inputs
- Review/Adjust Demand
- Identify versions for comparison (optimistic/pessimistic)

### Propagation Review
- Validate Results
- Compare to previous cycle
- Re-propagate as necessary

### Review Commits
- Compare commits to requested quantities
- Work out compromises with suppliers where necessary

### Gating Factor Analysis, What-if
- Gating Factor Analysis
- Compare to previous cycle
- Perform What-if analysis, re-prioritize as necessary

### Day 1
- **Demand Propagation**
  - Explode BOMs (unconstrained)
  - Forecast Components
  - Net existing supply

### Day 2 - 4
- **Collaborate with Suppliers**
  - Publish Component, Assembly forecast to Suppliers & Subcons
  - Set Deadline
  - Receive commits back (Time Series)

### Day 6
- **Publish**
  - Adjust Product Allocations
  - Publish Product Allocations to ATP engine
  - Publish Supply Plan if desired

### Day 7
- **Gating Factor Analysis, What-if**
  - Gating Factor Analysis
  - Compare to previous cycle
  - Perform What-if analysis, re-prioritize as necessary

### Day 5
- **Constrained Run**
  - Sequence Demands by Priority
  - Consider Commits
  - Consider Constraints
  - Create Allocations and Supply Plan
Product Allocation Creation
Weekly Cycle Example – Systems, Inputs, Outputs

Process Start
Propagation Review
Review Commits
Gating Factor Analysis, What-if

Day 1
Day 2
Day 5
Day 6

Day 1
Day 2 - 4
Day 5
Day 7

Demand Propagation
Collaborate with Suppliers
Constrained Run
Publish

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SAP’s Digital Framework for Supply Chain

**SAP Integrated Business Planning**
- S&OP
- Demand
- Response
- Inventory
- Control Tower

**SAP Ariba Applications**
- Sourcing Suite
- Supplier Risk
- Spend Visibility
- Buying
- Finance and Payment

**SAP Leonardo – IoT Connected**
- Fleet
- Products
- Assets
- Infrastructure
- Markets
- People

**Ariba Network**
- Forecasts and Confirmations, Manufacturing and Inventory status
- Supplier Qualification, Bidding and Contracts
- IoT Signals

**Digital Core**
- Business Transactions
- Intelligent Insights

**Harmonized IoT Actions and Intelligence**

**Demand & Supply Plans**

**Supplier Qualification, Pricing, Contract Terms**
Contents

- Supplier Commits in Operative Planning (Use Case)
- Functionality Review & Demo
- Configuration & Setup
- Other Considerations
## General Information

- **Name:** Demand Increase
- **Description:** Please check whether we can support a 25 percent demand increase over the next 2 months for Family 200. The current promotion from the North region is outperforming and we would like to extend the promotion across all regions.
- **Category:** IPAV1
- **Priority:** High
- **Owner:** Greg Jones
- **Assigned Users:** Greg Jones
- **Assigned User Groups:**
- **Due Date:** 11/29/2017
- **Monetary Impact:**
- **Status:** In Process

## Administrative Information

- **Changed By:** Greg Jones
- **Changed On:** 09/21/2018 18:46
- **Creator:** Greg Jones
- **Created On:** 10/15/2017 07:00
## Integrated Business Planning

**Filter:**
- Product ID = IBP-210
- Customer ID = CA02, CE02, CU02

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### Integrated Business Planning

**Filter:**
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- Customer ID = CA02
- Customer ID = CEO2
- Customer ID = CU02

#### Statistical Forecasting
- Forecast with assigned models
- AutomatedExpSmoother_M
- AutomatedExpSmoother_W
- BestPick_M
- BestPick_W
- DemandSensingFull
- DemandSensingUpdate
- Double_Exp_W

#### More Options
- Show Messages

#### Global supply planning across your supply chain network
- Time-Series-Based Supply Planning Heuristic
- SOP Supply TS-Based Supply Planning Heuristic
- Time-Series-Based Supply Planning Optimizer

#### Run Inventory Optimization for a given supply chain network
- Calculate Target Inventory Components
- Decomposed (single-stage) inventory optimization
- Global (multi-stage) inventory optimization

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Planning View Details

Cells Changed: None since simulation

Reason Code

- Capacity
- Cost Reduction
- End Of Life
- New Product
- Pricing Increase
- Promotion
- Sales Input
- Capacity
- Constraints
- Customer Input
- High POS
- Offload
- Pricing Reduction
- Ramp Down
- Ramp Up
- Cost Increase
- Downside
- Inventory
- Override Constraints
- Product Constraints
- Ramp Up

Comment

We've created a supply plan that accounts for the 25% demand increase. Please monitor the supplier commitments to this adjusted forecast.

Share With

IPA Supply Review

Save
Cancel
Supplier Commit Below Forecast

Number of alerts

Product ID: IBP-215-R, Ship-To Location ID: 2800

Number of alerts: 10
Severity: High

Main Chart

- Supplier Commit (EA)
- Supplier Forecast

Suppliers Commit (EA) & Supplier Forecast

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</table>
Supplier Commit Below Forecast

Number of alerts

Product ID: IBP-215-R, Ship-To Location ID: 2800

Version: Base Version
Severity: High

Components Availability

Current Selection
- IBP-215-R
  Supplier Shortage (EA)
  -3,213.00
Add to Case

Add To:
- [ ] New Case
- [x] Existing Case

Name:
Demand Increase

Description:
Please check whether we can support a 25 percent demand increase over the next 2 months for Family 200. The current promotion from the North region is outperforming and we would like to extend the promotion across all regions.

Category:
IPAV1

Priority:
High

Owner:
Greg Jones

Assigned Users:

Assigned User Groups:

Due Date:
11/29/2017
Run Application Job Template Once

Schedule Application Job Template (no parameter input)

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<td>Planning Operator:</td>
<td>Ariba [ZAALD4GPA4POPGX64EVZIPOJU]</td>
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Next Cancel
The updated raw material forecast has been shared with our suppliers on the Ariba Network.
### IBP Second Forecast

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#### Commit forecast data

- Yes
- No

Click 'Yes' to have the system create commitments to match the forecast quantities. Number of days until next order: 331.
### Forecast Commit

**Customer:** BP Second  
**Customer Planner:**  
**Customer Location:** APJ  
**Ship To Location:**  
**Product Group:** BP-215-R  
**Supplier Part #:**  
**Description:** Throttle Angle Sensor 210 Comp 8  
**Lead Time:**  
**Last Commit Date:** 21 Sep 2018 3:51:32 PM  
**Inventory:**  
**Comments:**  
**Commit Horizon:** 200 days

### Forecast

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- Click **Copy Forecast To Commit**

- **Save**

- **Close**
- **Cancel**
- **Commit And Close**
## Forecast Commit

**Details:**
- **Customer:** BP Second
- **Supplier Part #:** BP-215-R
- **Description:** Throttle Angle Sensor 21D Comp 8
- **Last Time:** 21 Sep 2019 3:31:32 PM
- **Lead Time:**
- **Last Committed:** 21 Sep 2019 3:31:32 PM
- **Inventory:**
- **Comments:**
- **Cable Position:** 200 days

### Forecast

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**Notes:**
- **Close**
- **Cancel**
- **Copy Forecast To Committed**

---

**Additional Information:**
- **Customer Planner:**
- **Email:**
- **Customer Location:** APJ
- **Ship To Location:**
- **Download CSV**
- **Upload CSV**
- **SAP Ariba:**
  - **Sweet Supplier:**
  - **Web Edition:**
  - **Legal Information:**
  - **Help:**

---

**Source:**
https://service.ariba.com/SCMSupplier.aw/128422059/aw?awh=r&awssk=Q0I...
### Forecast Commit

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<th>Date</th>
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| Inventory | |
| Comments | |
| Control Horizon | 200 days |

### Forecast

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## IBP Second Forecast

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</tbody>
</table>

- **Download CSV**
- **Upload CSV**

### SAP Ariba

IBP Second Supplier: alice@-suppliercorp.com | set masked 21 Sep 2018 2:43:14 PM | Supplier Corp. | AHR-150013021-T

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## SAP Integrated Business Planning

**Filter:** (Ad Hoc Filter) (3 criteria):
- Product ID = IBP-215-R

### Supplier ID | Ship-To Location ID | Product ID | Key Figure | Supplier Forecast | Supplier Commit | Supplier Commit Override | Supplier Commit Upside | Maximum Transport Supply
---|---|---|---|---|---|---|---|---
SA101 | 2800 | IBP-215-R |  | 2,787 | 2,467 | 2,427 | 2,813 | 2,901 | 2,529 | 2,626 | 2,994 | 2,889 | 2,683 | 2,710
 |  |  |  | 2,300 | 2,400 | 2,400 | 2,500 | 2,901 | 2,529 | 2,626 | 2,994 | 2,889 | 2,683 | 2,710
SA102 | 2800 | IBP-215-R |  | 1,195 | 1,057 | 1,040 | 1,206 | 1,243 | 1,084 | 1,125 | 1,283 | 1,238 | 1,150 | 1,162
 |  |  |  | 1,195 | 1,057 | 1,040 | 1,206 | 1,243 | 1,084 | 1,125 | 1,283 | 1,238 | 1,150 | 1,162
(Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total) | (Total)
---|---|---|---|---|---|---|---|---|---|---|---|---|---
Customer Demand | **Supplier Forecast** | Production | BOM explosion | Component Costs

### BNC 01 Ariba

**Last Refresh:** 2018-Sep-21 15:22:17

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*Average: 3,636  Count: 8  Sum: 29,090*
Contents

• Supplier Commits in Operative Planning (Use Case)
• Functionality Review & Demo
• Configuration & Setup
• Other Considerations
Data Sharing Plan Management

Manage Data Sharing plans:
An agreement between business partners that governs what data is shared, with whom and how, for example

- What information is shared with external partners?
- Which partners taking part in the collaboration process?
- How is the information shared?
**Data Sharing Plan**

### Manage Data Sharing Plans / Response Publish Supplier Forecast

**RM/RM_PUBLISH_FORECAST**

- **GENERAL INFORMATION**
  - Default Communication Arrangement:
    - From:
    - To:
  - Default Mapping:
    - MAP_RM_supplier_forecast_product

- **PLAN ATTRIBUTES**
  - Items (2)
    - Attribute
    - Alias
    - Default Value
      - PRETEXT
        - PLAN_ATTR_BUYER_AN_ID
        - AN0056346887-T
      - SUPPLIERID
        - HDR_SUPPLIERID

- **MAPPINGS**
  - Items (1)
    - Mapping ID
    - Mapping Name
    - Source
    - Target
    - Usage
      - MAP_RM_supplier_forecast_product
        - MAP_RM_supplier_forecast_product
        - BASELINE
        - XMLFORECAST
        - 2

- **ARRANGEMENTS**
  - Items (2)
    - Name
    - Sharing Mode
    - Communication Arrangement
    - Mappings
    - Visibility Filter
    - Status
      - Supplier2
        - MESSAGE
        - Arba
        - MAP_RM_supplier_forecast_product
        - RM/RM_PUBLISH_FORECAST_SUPPLIER_2
        - Enabled
      - Supplier1
        - MESSAGE
        - Arba
        - MAP_RM_supplier_forecast_product
        - RM/RM_PUBLISH_FORECAST_SUPPLIER_1
        - Enabled
Outbound: IBP to Ariba
Provider Data Sharing Plan: Mapping

Mapping based on planning area SAP4C

Message Body

Message Header: From / To
Contents

• Supplier Commits in Operative Planning (Use Case)

• Functionality Review & Demo

• Configuration & Setup

• Other Considerations
Other Considerations & Documentation

Best Practices documentation

Nature of Supplier Commits in IBP Order based planning

Subcontracting integration and IBP Order based planning
Best Practices

Best Practices documentation for IBP response & supply:
https://rapid.sap.com/bp/#/browse/packageversions/RDS_IBP/

210 Supply & Allocations Planning
– https://rapid.sap.com/bp/#/scopeitems/210

2P2 IBP – Business Network Collaboration – supplier commit with SAP Ariba
– https://rapid.sap.com/bp/#/browse/scopeitems/2P2
SAP Best Practices – supplier commit with SAP Ariba

Process flow

- Demand Planning
  - Global Demand Plan
- Demand Sensing
  - Sensed Demand
- Copy Initial Stock and Unconstrained Forecast
  - Unconstrained Forecast
- Generate Component Forecast
  - Component Forecast
- Review & Release Component Forecast
  - Component Forecast
- Check Alerts
  - Supplier Committed Forecast
- Analyze Supplier Committed Forecast
  - Supplier Committed Forecast
- Publish Supplier Commits
  - Supplier Committed Forecast
- Supply and Allocations Planning
  - Supply Proposals, Product Allocations

- Demand Planning
  - Global Demand Plan
- Demand Sensing
  - Sensed Demand
- Copy Initial Stock and Unconstrained Forecast
  - Unconstrained Forecast
- Generate Component Forecast
  - Component Forecast
- Review & Release Component Forecast
  - Component Forecast
- Check Alerts
  - Supplier Committed Forecast
- Analyze Supplier Committed Forecast
  - Supplier Committed Forecast
- Publish Supplier Commits
  - Supplier Committed Forecast
- Supply and Allocations Planning
  - Supply Proposals, Product Allocations
SAP Best Practices – supplier commit with SAP Ariba

Description

Business Network Collaboration enables you to share key figure data with your business partners in SAP Ariba Supply Chain Collaboration. In this process, it's used to receive committed quantities for required components from each of your suppliers. The Multilevel Supply Planning Heuristic is used to generate the Supplier Forecast, that is the demand of components which you source from suppliers, from your unconstrained forecast of finished goods. After releasing the Supplier Forecast to SAP Ariba, suppliers commit the confirmed quantities. The commitments are then published in SAP Ariba. Custom alerts inform you about over- and undercommitted components, and predefined charts help you decide on how to react to any deviations from the original Supplier Forecast. The committed quantities are taken as the Supplier Constraint input of the Constrained Forecast operator in the subsequent process of IBP for response and supply – supply and allocations planning.

Scope

Use Case
- Share your component demand with your suppliers in SAP Ariba
- Receive committed quantities from your suppliers and analyze deviations from original component demand
- Use the committed quantities as supplier constraint in your subsequent supply planning

Benefits
- React to changes in supply and demand quickly and efficiently
- Reduce inventory carrying cost by enhancing supplier visibility and interactivity

Technical details

Input
- Global demand plan
- Final sensed demand
- Initial stock

Output
- Supplier committed component forecast

Planning Level
- Product, Location, Ship-To Location

Planning Operator
- Time-Series-Based Supply Planning Heuristic to generate component forecast

User interaction

Planning Views
- Supplier Commit, 4 worksheets

Alerts
- 2 predefined custom alerts: Under-committed demand, Over-committed demand

Analytics
- 1 predefined dashboard ‘Supplier Commit with SAP Ariba’ with 2 charts

Collaboration
- Integration with SAP Ariba Supply Chain Collaboration
Legal Disclaimer

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Nature of Supplier Commits in IBP Order based planning

Current State

Demand sent to the supplier is based on the plant receiving date (LOCTO) and not on the plant shipping date (LOCFROM).

Thus the supplier has to calculate the shipping date before committing quantities.
Subcontracting integration and IBP Order based planning
Components Provided to Subcontractor via Plant

- Components Vendor
- Receiving Plant
- Subcontractor

- Preq/PO for Components Vendor to Plant
- Subcon Preq/PO to Plant (Assembly Level)
- Delivery of Components from Plant to Subcon
Subcontracting integration and IBP Order based planning
Multi-Level (Networked) Subcontracting
Subcontracting integration and IBP Order based planning
3rd Party Provision of Components

Receiving Plant

Subcontractor

Components Vendor

Subcon Preq/PO to Plant (Assembly Level)

Preq/PO for Components Vendor to Subcon
Subcontracting integration and IBP Order based planning

3rd Party Provision of Components

Receiving Plant  →  Subcontractor  →  Components Vendor

Subcon Preq/PO to Plant (Assembly Level)

Preq/PO for Components Vendor to Subcon

Stock Provided to Vendor

Inv
Supply Side Collaboration – Inventory Visibility
New in Release 1708

Inventory visibility

• Provide stock on-hand visibility at supplier side
• Supplier sends actual stock on hand information to SAP Integrated Business Planning

Integration with SAP Ariba Supply Chain Collaboration
Contents

- Supplier Commits in Operative Planning (Use Case)
- Functionality Review & Demo
- Configuration & Setup
- Other Considerations
Thank you.
APPENDIX
IBP BNC / Ariba Supply Chain Collaboration Integration Architecture

Message-based integration with Ariba Supply Chain Collaboration (SCC)

IBP

IBP Data Sharing Management
- Send Outbound
- Poll Inbound

Ariba Add-On
- Synch. Outbound Adapter
- Polling Client

AIF (Application Interface Framework)

Message Exchange Error Handling Capabilities

NW Web Services

Synch. Web Service Protocol

Direct Connectivity

Internet

cXML HTTP(s) SOAP

Ariba Network Supply Chain Collaboration

Messages:
- cXMLProductActivityMessage
- cXMLProductReplenishmentMessage
IBP – Ariba Configuration

IBP

- Maintain Certificate Trust List
- Setup Communication Arrangement
- Maintain Ariba Network Credentials and Endpoints
- Assign Recipients to User for message monitoring
- Maintain Data Sharing Plans

Ariba SCC

- cXML Setup
- Supplier enablement
IBP – Ariba Configuration

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- cXML Setup
- Supplier enablement
App: Maintain Certificate Trust List

- Enables TLS (Transport Layer Security) handshake between IBP and Ariba (network encryption using TLS 1.2)
- Download certificate from Ariba (https://connect.ariba.com/toolkit/contentdisplay/1,,176663,00.html)
- Upload the certificate into IBP using the **Maintain Certificate Trust List** app
IBP – Ariba Configuration

- Maintain Certificate Trust List
- Setup Communication Arrangement
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IBP

Ariba SCC

- cXML Setup
- Supplier enablement
Setup Communication Management

• When a cXML message is sent to Ariba Supply Chain Collaboration, the sending system must authenticate itself.

• Ariba Supply Chain Collaboration offers two authentication mechanisms:
  • Using a client certificate
  • Using “shared secret” password

• The authentication method must be defined in both SAP Integrated Business Planning and Ariba Supply Chain Collaboration
Setup Communication Management (Authentication Mechanisms)

Authentication Using a Client Certificate

Following steps are required for enabling client-certificate based authentication

1. Create a Communication System
2. Create a Communication Arrangement based on communication scenario SAP_COM_0201

Authentication Using a Shared Secret

Following steps are required for enabling shared-secret based authentication

1. Create a Communication System
2. Create a Communication Arrangement based on communication scenario SAP_COM_0201
3. Define the Shared-Secret
Apps: Communication Management

- Setup direct message-based integration with Ariba Supply Chain Collaboration (SCC).

- Customer managed scenario: **SAP_COM_0201** (Planning – Ariba Network Integration)

- **App: Communication System**
  - Authentication using shared secret
    - Host name: *service-2.ariba.com*
  - Authentication method: none
  - Authentication using client certificate
    - Host name: *certservice-2.ariba.com*
    - Authentication method: SSL Client Certificate
    - Download certificate from IBP

- **App: Communication Arrangement**
  - Outbound services to Ariba Network are automatically created
  - Polling frequency for PREM message (Product Replenishment Message) can be maintained
IBP – Ariba Configuration

IBP

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Ariba SCC

- cXML Setup
- Supplier enablement
App: Ariba Network Credentials and Endpoints

- The settings maintained here should exactly match how the Buyer account is set up in Ariba Network.
- Contact the administrator of your Ariba Buyer account or SAP Ariba Customer Support.
- If shared secret authentication is used, then maintain Shared secret.

![Ariba Network Credentials and Endpoints](image)

**AN01056180057-T**

General Information

Ariba Network ID:
AN01056180057-T

Shared Secret:
***************

Confirm Shared Secret:
***************

Test Account:
Yes

Enable End Points:
End points not enabled

Transfer System ID:
System ID not enabled

Deviating System ID:

Ariba End Points

No items available.

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IBP – Ariba Configuration

IBP

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Ariba SCC

- cXML Setup
- Supplier enablement
App: Assign Recipients to User

- New App in 1805: Assign Recipients to User to enable Message Monitoring for users*

- User needs to be assigned to:
  - Namespace: /IBP01
  - Recipient Name: ALL_RECIPIENTS

* With the new App users are no longer automatically assigned when corresponding business catalog is assigned to user.
IBP – Ariba Configuration

- Maintain Certificate Trust List
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Ariba SCC

- cXML Setup
- Supplier enablement
Ariba Network: Buyer >> Administration >> Configuration
cXML Setup

Contact SAP Ariba Customer Support for:

- Buyer AN ID
- Send Vendor ID, SiteID and SiteAuxID in outgoing documents should be enabled
- Allow buyer to activate Collaboration Supply Chain features
  - Allow buyer to enable forecast collaboration features
- Multi-ERP: Enabled?
- System ID: Enabled?
- Endpoint: Enabled?
Ariba Network: Buyer >> Administration >> Configuration

cXML Setup

Done by customer

- buyer.ariba.com

- Mode: Production or Test?

- Authentication Method: Shared Secret or Certificate?
  - If shared secret is used it has to match the shared secret maintained in Ariba Network Credentials and Endpoints App of IBP
  - If certificate is used, then upload the certificate downloaded from Communication Arrangement App of IBP

- System ID: Deviating?

- Endpoint
IBP – Ariba Configuration

IBP

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Ariba SCC

- cXML Setup
- Supplier enablement
Ariba Network: Buyer >> Supplier Enablement

- Suppliers have to be on-boarded on Ariba Network and have full-use account
- Ariba buyer has to have active trading relationship with supplier(s) with Supply Chain Collaboration enabled
Supplier identifier has to be maintained and has to exactly match the vendor ID maintained in the Data Sharing Arrangement of IBP.

Forecast Collaboration parameters needs to be maintained.
IBP – Ariba Configuration

IBP

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- Maintain Data Sharing Plans

Ariba SCC

- cXML Setup
- Supplier enablement
Data Sharing Plan Management

Manage Data Sharing plans:
An agreement between business partners that governs what data is shared, with whom and how, for example:

- What information is shared with external partners?
- Which partners taking part in the collaboration process?
- How is the information shared?
Data Sharing Plan

Manage Data Sharing Plans /
Response Publish Supplier Forecast

Data Sharing Plan Details

**General Information**

- Default Communication Arrangement: 10/28/2017
- Default Mapping: MAP_RM_SUPPLIER_FORECAST_PROACT
- Source: ARIB
- Target: CXML_PROACT

**Plan Attributes**

- Attribute: FREETEXT
  - Alias: PLAN_ATTRBUYERAN
  - Default Value: AN0105648887-T
- Attribute: SUPPLIERID
  - Alias: HDR_SUPPLIERID

**Mappings**

- Mapping ID: MAP_RM_SUPPLIER_FORECAST_PROACT

**Arrangements**

- Name: Supplier1
  - Sharing Mode: MESSAGE
  - Communication Arrangement: ARIB
  - Visibility Filter: CXML_PROACT

- Name: Supplier2
  - Sharing Mode: MESSAGE
  - Communication Arrangement: ARIB
  - Visibility Filter: CXML_PROACT
Outbound: IBP to Ariba
Provider Data Sharing Plan: Mapping

Mapping based on planning area SAP4C

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<th>Target Field</th>
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</tr>
</tbody>
</table>

**Message Body**

**Message Header:** From / To
Inbound: Ariba to IBP
Consumer Data Sharing Plan: Mapping

Mapping based on planning area SAP4C

Message Body

Message Header: From / To
Runtime

Outbound message IBP to Ariba

Inbound message Ariba to IBP

Message Monitoring
Runtime: Outbound message IBP to Ariba SCC

Option 1:
Using job template *Data Sharing Plan Outbound*

Option 2:
Directly from Excel Add-In
Runtime: Inbound message from Ariba SCC to IBP

- IBP regularly runs a polling job to retrieve data from Ariba SCC
- Prerequisite: communication scenario SAP_COM_0201 is setup
- All messages of type PREM (Product Replenishment Message) that are stored in the Ariba Outbox, are transmitted to IBP by the polling job.
- The frequency of the polling job can be adjusted.
- Consumer Data Sharing Plan has to be setup
Runtime: Message Monitoring

Inbound and outbound messages can be monitored with the Message Dashboard App

- Key features:
  - See general status of interfaces
  - Check message status over time
  - Navigate to the monitoring and error handling to analyze the log messages in detail
  - Create custom hints or message texts for certain log messages
  - Cancel or restart data messages