WEBINAR: SAP Best Practices for SAP IBP - 1802 Update

Presenters:
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• What’s new in SAP Best Practices content in 1802
• Live demonstration: E2E flow of order-based planning:
  • IBP – Business Network Collaboration – supplier commit with SAP Ariba
  • IBP for response and supply – supply and allocations planning
  • IBP for response and supply – response planning
• Q&A
What’s new in SAP Best Practices content in 1802
New scope and changes in V10.1802

- **Technical upgrade** to SAP Integrated Business Planning 1802

- The two new ‘IBP – order-based planning inbound integration with SAP S/4HANA’ and ‘IBP – order-based planning outbound integration with SAP S/4HANA’ scope items describe the configuration and execution of exchanging order data between SAP S/4HANA and SAP IBP

- The new ‘IBP – Business Network Collaboration – supplier commit with SAP Ariba’ scope item shares a component forecast with suppliers in SAP Ariba and receives committed quantities for further constrained supply planning

- The new ‘IBP for response and supply – response planning’ scope item allows for sales order confirmation and adjusting the supply and allocations plan based on short-term changes in demand and supply constraints
Unified planning process flow: Mapped to sample planning areas

Tactical
Frequency: Monthly
Horizon: 1-3 years
Buckets: Months, Weeks

Mid-Term
Operational
Frequency: Weekly
Horizon: 1-12 months
Buckets: Weeks, Days

Short-Term
Operational
Frequency: Daily
Horizon: 1-12 weeks
Buckets: Days

Execution

Financial Planning
Annual Operating Plan

Marketing Planning
Marketing Plan

Sales Planning
Sales Forecast

Sales Order Processing
Open, Confirmed, Delivered Sales Orders

Procurement
Purchase Orders

Available-to-Promise Processing
Sales Order Confirmations

Stock Transfer
Stock Transfer Requisitions

Production
Production Orders

SAP IBP process
External Process

SAPIBP1 time-series based, internal master data

Demand Planning
Global Demand Plan

Demand Sensing
Sensed Demand

Demand Review
Consensus Demand Plan

Supply Review - Heuristic, Optimizer
Constrained Demand Plan

Reconciliation Review
Constrained Demand Plan

Management Business Review
Final Consensus Demand Plan

Inventory Optimization
Inventory Plans

Supplier Commit with SAP Ariba
Committed Forecast

Supply and Allocations Planning
Supply Proposals, Product Allocations

Response Planning
Supply Proposals, Sales Order Confirmations

SAP74 order-based, external master data

Demand Planning
Global Demand Plan

Demand Sensing
Sensed Demand

Supplier Commit with SAP Ariba
Committed Forecast

Supply and Allocations Planning
Supply Proposals, Product Allocations

Response Planning
Supply Proposals, Sales Order Confirmations

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IBP – order-based planning inbound integration with SAP S/4HANA

Description

Based on the nature of order-based planning, a dynamic data integration is required from the execution system within the SAP IBP system. The near real-time integration of detailed order-level information with SAP Cloud Platform Smart Data Integration (SDI) allows you to react quickly to demand changes coming from sales orders. This scope item covers the complete integration process from SAP S/4HANA to SAP IBP and describes the various master data and transactional objects. What's more, it provides references to SAP Best Practices for SAP S/4HANA to explain how to maintain them in SAP S/4HANA. It also provides the steps needed to execute the initial respective delta load. On the receiving side, the execution of the inbound integration job via SDI is covered. Finally, the imported data is checked via SAP Fiori apps.

Scope

Use Case
- Order-based planning in IBP with master and transactional data coming from SAP S/4HANA

Benefits
- Out-of-the-box integration reduces implementation efforts and costs
- Near real-time integration allows you to react quickly to demand changes from sales orders

Participants
- Order-based planning administrator
- General response planner

Technical details

Inbound Integration – Objects

Master Data
- Locations: Plant, DC, supplier, customer
- Materials
- Location Material
- Transportation Lane
- Work Centers
- Production Data Structures

Transactional Data
- Sales Orders
- Outbound Deliveries
- Initial Stock / Inventory
- Planned Orders
- Production Orders
- Purchase Requisition
- Purchase Orders
- Stock Transfer Requisition / Stock Transfer Order
IBP – order-based planning outbound integration with SAP S/4HANA

Description

Based on the nature of order-based planning, a dynamic data integration is required from the execution system within the SAP IBP system and vice versa. The near real-time integration with SAP Cloud Platform Smart Data Integration (SDI) allows the execution system to react to planning changes quickly and efficiently, for example, in the production planning or in purchasing. The process ensures that order information like order numbers and order quantities are consistent in both systems.

Scope

Use Case
- Order-based planning in IBP with master and transactional data coming from SAP S/4HANA

Benefits
- Out-of-the-box integration reduces implementation efforts and costs
- Near real-time integration allows you to react quickly to plan changes based on sales orders

Technical details

Outbound Integration – Objects
- Sales Order Confirmation proposals (only when response planning has taken place)
- Purchase Requisitions
- Planned Orders
- Stock Transfer Requisitions

Participants
- Order-based planning administrator
IBP Integration for order-based planning
Using SAP Cloud Platform Smart Data Integration (SDI)
Live demonstration: E2E flow of order-based planning
IBP – Business Network Collaboration – supplier commit with SAP Ariba

Process flow

- SAP IBP Process Steps
  - SAP IBP Process
  - Supplier Commit with SAP Ariba

- SAP Ariba Process Steps
  - Supplier Commit
  - Forecast

- SAP IBP Process
  - Copy Initial Stock and Unconstrained Forecast
  - Generate Component Forecast
  - Review & Release Component Forecast
  - Check Alerts
  - Analyze Supplier Committed Forecast
  - Supply and Allocations Planning

- Demand Planning
  - Global Demand Plan
  - Sensed Demand

- Demand Sensing
  - Unconstrained Forecast
  - Component Forecast
  - Supplier Committed Forecast

- Review Forecast
  - Component Forecast
  - Supplier Committed Forecast

- Publish Supplier Commits
Sample data – Bill of materials (IBP-100)

Unconstrained forecast for finished good IBP-100

Raw material IBP-102-R is sourced from supplier 13300002
Sample data – Supply chain network

Subcontractor

IBP-111-S

1330003 Subassembly

Suppliers


13300003

Plants

1710 AME Mfg

1710 Assembly, 1710 Pack, 1710 Subassembly

1010 EU Mfg

1010 Assembly, 1010 Pack, 1010 Subassembly

1310 APJ Mfg

1310 Assembly, 1310 Pack, 1310 Subassembly

DCs

1710 AME DC

All final products

1720 AME DC

All final products

3710 EU DC

All final products

6210 APJ DC

All final products

Customers

17100001

IBP-100, IBP-110, IBP-120

17100002

IBP-200, IBP-210, IBP-220

17100003

IBP-300, IBP-310, IBP-320

10100001

IBP-100, IBP-110, IBP-120

11100001

IBP-300, IBP-310, IBP-320

12100001

IBP-200, IBP-210, IBP-220

13100001

IBP-100, IBP-110, IBP-120

18100001

IBP-300, IBP-310, IBP-320

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Sample data – Supply chain network

Subcontractor

Suppliers

IBP-111-S


13300003 Subassemblies

13300001

13300002

Location

Product

Resource

Subcontractor

Suppliers

13300003

13300003


1010 Assembly, 1010 Pack, 1010 Subassembly

1710 Assembly, 1710 Pack, 1710 Subassembly

1710 AME Mfg

1720 AME DC

17100001

17100002

17100003

133000001

133000002

Depend Demand for IBP-100 at plant 1010

Customer Demand for IBP-100 at DC 3710

Depend Location Demand for IBP-102-R at supplier 1330002
IBP for response and supply – supply and allocations planning

Process flow

- **Demand Planning**
  - Global Demand Plan

- **Demand Sensing**
  - Sensed Demand

- **Supplier Commit with SAP Ariba**
  - Committed Forecast

- **Review Priority Rules, Forecast and Constraints**
  - Unconstrained Forecast

- **Run Constrained Forecast**
  - Constrained Forecast

- **Check Alerts and Identify Bottlenecks**
  - Constrained Forecast

- **Create Different Supply Plan Versions**
  - Constrained Forecast

- **Create Product Allocation Plan**
  - Product Allocation Plan

- **Analyze Supply and Allocations Planning**
  - Constrained Forecast, Product Allocation Plan

- **Available-to-Promise Check**
  - Sales Order Confirmations

- **Response Planning**
  - Supply Proposals, Sales Order Confirmations

- **Operational Planning & Execution Processes**

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IBP for response and supply – response planning

Process flow:

- **Supply and Allocations Planning**
  - Product Allocation
  - Supply Proposals

- **Sales Order Processing**
  - Open, Confirmed, Delivered Sales Orders

- **Review Demands by Priority**
  - Ranked Demand

- **Run and Check Order Confirmation Run**
  - Sales Order Confirmation

- **Create and Simulate Scenario**
  - Adjusted Allocation

- **Order Confirmation for Adjusted Allocation**
  - Supply Plan
  - Sales Order Confirmations

- **Execution on Orders**
  - Sales Order Confirmations

**Available-to-Promise Processing**
- Sales Order Confirmations
SAP Best Practices for SAP Integrated Business Planning

Where to get it

http://help.sap.com/ibp
http://rapid.sap.com/bp/rds_ibp

Use the following assets:

- Test scripts
- Process flow diagrams
- Scope item recordings
- Configuration guides
- Excel planning view templates
- Sample data CSV files
Q&A