Welcome to the Special APJ & GCN Edition of the SAP IBP Meet the Expert Webinar Series
SAP IBP Integration using CPI-DS: SAP ERP Integration

21-May-2020
Help our customers have the best experience with Digital Supply Chain
Digital Supply Chain C1 – Focus on Customer & Partner Engagement

**SAP IBP Customer Success Days**
- 23 Customer Success Days globally
- 515 attendees from 135 customers
- 58 new customer references in 2019

**SAP IBP Virtual Roundtables**
- 16 Topic & Industry focused customer roundtables (Automotive; Fashion; Statistical Forecasting, etc.)

**SAP IBP Online Community**
- 2611 questions raised with other customers

**SAP IBP Contacts**
- 14,725 contacts from Customers, Partners, & SAP internal

**SAP IBP Community Build**
- 49 Meet the Expert Webinars
- 43,455 registrations
- 12,656 attendees
- 43,855 Webinar downloads
- SAP IBP Customer Council in Waldorf, Oct-2019
Don’t miss our Live Customer Success Days
Network, collaborate, and exchange ideas

Purpose
• Value Realization
• Help with Adoption
• Change Management
• Peer-to-Peer Sharing

Participants
• 135 SAP IBP Customers
• 315 Customer Attendees
• 79% Live & Planned Go-Live
• 10% Implementing

Agenda
Sample Topics:

Customer Feedback
“Collaboration between customers, open discussions and shared experience”
“It focused on customers sharing experiences rather than sap selling tools”
“To see real cases of implementation and the roadmap of IBP is really useful”
Join SAP IBP Virtual Customer Roundtables
The global Digital Supply Chain virtual network

**Purpose**
- SAP IBP Customers have advanced in their Supply Chain Initiative maturity
- Leverage the Community Network
- Learn how your peers run their business
- Collaboratively work through Business Transformation Opportunities

**Format**
- Online 60-90 Minutes Session
- Small group of customers focused on a specific topic or industry
- Collaborative Customer Discussion
- Customer-led presentations

Watch for an invitation from your Customer Engagement Team

**Topic oriented**
- Statistical Forecasting
- Change Management
- Supply Optimizer Results
- Financial Integration
- S&OP / Executive Meetings

**Industry related**
- Fashion
- Consumer Products
- Automotive
- High-Tech
- Life Science
- Chemicals

**2020 Scheduled Dates**
- **Fashion** January 29 - Completed
- **Automotive** February 13 - Completed
- **Consumer Products** April 23
- **High Tech** June 2020
- **Life Science** April 6
- **Chemicals** May 2020
- **Non-SAP ERP Integration** July 2020
- **Financial Integration** May 2020
- **Presenting S&OP Status with Executive Management** May 2020
- **Spanish Speaking** June 2020
- **Time Series** June 2020
- **High Tech** June 2020
- **Statistical Forecasting** August 2020
# SAP IBP Events & Webinars

Join us and learn more about SAP Integrated Business Planning through the numerous events, customer and product webinars we are offering this year.

## Upcoming Events and Webinars:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Type</th>
<th>Location</th>
<th>Focus</th>
<th>Title &amp; URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Demand</td>
<td>Partner Webinar</td>
<td>On-Demand</td>
<td>IBP</td>
<td>Managing Chaos with SAP's IBP: Coronavirus Edition</td>
</tr>
<tr>
<td>19 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>Meet the Expert: SAP IBP - Tips &amp; Tricks for the Planning Areas application</td>
</tr>
<tr>
<td>20 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>Meet the Expert: SAP IBP Operational Supply Planning - Overview and Capabilities</td>
</tr>
<tr>
<td>20 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>Meet the Expert (API): SAP IBP Integration using CPI-DS - SAP ERP Integration</td>
</tr>
<tr>
<td>26 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>SAP IBP Strategic Roadmap</td>
</tr>
<tr>
<td>27 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>Meet the Expert: SAP IBP Normalization Migration</td>
</tr>
<tr>
<td>28 May 2020</td>
<td>Product Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>SAP IBP Best Practices 2005</td>
</tr>
<tr>
<td>28 May 2020</td>
<td>Partner Webinar</td>
<td>Virtual</td>
<td>IBP</td>
<td>Bizbrain: Excel Templates in IBP</td>
</tr>
</tbody>
</table>

Learn more about SAP IBP events and webinars offered [here](#). Looking for additional SAP events? Find them [here](#).
Thank You

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SAP IBP Integration using CPI-DS Webinar Series
#building the bridge

SAP Product Management
April, 2020
In this webinar you will learn:

- How to setup the master data transfer from SAP S/4 to IBP
- How to setup the transactional data transfer from SAP S/4 to IBP
Use Cases

Example 1: Customer likes to implement best practice setup for S&OP planning with Supply Planning. Customer is running on one SAP ERP or S/4.

Example 2: Customer likes to run IBP Demand Planning or Inventory Optimization and likes to integrate master and transactional data from central SAP ERP instance.

Example…
SAP IBP Time series Integration to SAP S/4HANA/SAP ERP using CPI-DS

1. Add-on
   - SAP S/4HANA or SAP ERP
   - Standard ERP Tables/Function Modules
   - EXT Tables

2. Master Data
   - CPI-DS

3. Transactional Data
   - Firewall & Internet

SAP IBP
   - Staging Tables
   - Planning Area
Initial steps

After Installation of Add-on on SAP S/4 or SAP ECC & setup the CPI DS Agent. (more details here)

Following steps are necessary to make the Add-on ready (details):

1. What plants are IBP relevant?
2. What MRP types are IBP relevant?
3. Initial Load of Data to Staging Tables
   Check results in staging tables e.g. Materials in /IBP/MARA_EXT
4. Download Time profile used in IBP Planning Area
5. Upload Time profile in SAP ERP via Transaction /IBP/ETSTP - Maintain IBP Time Profiles for Aggregation (details)
6. Activate the Extractors (details)
Data flow overview for Master Data

**SAP ECC or SAP S/4**
- Supply Chain Integration Add-On for SAP Integrated Business Planning
  - Material Master
- Plant, Customer & Supplier
- Location Material
- Work Center
- Production Master Data (BoM, Routing)
- Sourcing relationship
- UoM, Currency, Conversion Factor

**CPI-DS Agent**

**SAP CPI-DS**

**Task with Data Flows**

**SAP IBP**
- Product MDT
- Customer MDT
- Location MDT
- Location Material MDT
- Resource MDT
- Resource Location MDT
- Resource Product MDT
- Production Source MDT
- Production Source Item MDT
- Location Source MDT
- Customer Source MDT
- Production Source MDT
- UoM
- Currency
- UoM Conversion Factors
- Exchange rates
Steps for Master Data

1. Connect ERP system to CPI
2. Import ERP Extractors to CPI
3. Import IBP data stores
4. Create data flow from Template
   - “Copy to Target”
   - Delete template data flows & targets from Task
   - Change default values for global variables
5. run task
6. see results in IBP
Data flow overview for Transactional Data

SAP ECC or SAP S/4

Supply Chain Integration Add-On for SAP Integrated Business Planning
- Exchange Rates (time dep.)
- Available Capacity
- Stock
- Orders

CPI-DS Agent

SAP CPI-DS

Task with Data Flows

SAP IBP

- Exchange Rates KF
- Capacity Supply KF
- Stock on Hand KF
- Minimum Receipt KF
- Minimum Production KF
Steps for transactional Data

Previously done:
- Connect ERP system to CPI
- Import ERP Extractors to CPI
- Import IBP data stores

1. Create data flow from Template
   - “Copy to Target”
   - Delete template data flow & target
   - Change default values for global variables

2. run task

3. see results in IBP
Further reads & troubleshooting


Pre-Packaged Content for Periodic Data Transfer of **Master Data** from Add-On for S/4 HANA On Premise and ERP to Unified Planning Area

<table>
<thead>
<tr>
<th>Object</th>
<th>Template</th>
<th>Data Flow</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning Unit</td>
<td>IBP_MD_S4_ERP_AddOn</td>
<td>IBP_MD_PlanningUnit_AddOn</td>
<td>Hard-Coded Best Practices Content</td>
</tr>
<tr>
<td>Customer</td>
<td></td>
<td>IBP_MD_Customer_AddOn</td>
<td>Extractor /IBP/LOCATION_ATTR</td>
</tr>
<tr>
<td>Location</td>
<td></td>
<td>IBP_MD_Location_AddOn</td>
<td>Extractor /IBP/LOCATION_ATTR</td>
</tr>
<tr>
<td>Product</td>
<td></td>
<td>IBP_MD_Product_w_Text_AddOn</td>
<td>Extractor /IBP/PRODUCT_TEXT</td>
</tr>
<tr>
<td>Resource</td>
<td></td>
<td>IBP_MD_Resource_w_Text_AddOn</td>
<td>Extractor /IBP/RESOURCE_TEXT</td>
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<tr>
<td>Unit of Measure</td>
<td></td>
<td>IBP_MD_UOM_w_Text_AddOn</td>
<td>Extractor /IBP/UNIT_OF_MEASURE_TEXT</td>
</tr>
<tr>
<td>Unit of Measure Conversion Factor</td>
<td></td>
<td>IBP_MD_UOMConversionFactor_AddOn</td>
<td>Extractor /IBP/PRODUCT_UOM_ATTR</td>
</tr>
<tr>
<td>Location Product</td>
<td></td>
<td>IBP_MD_LocationProduct_AddOn</td>
<td>Extractor /IBP/LOCATIONPRODUCT_ATTR</td>
</tr>
<tr>
<td>Location Source (Transportation Lane)</td>
<td></td>
<td>IBP_MD_SourceLocation_AddOn</td>
<td>Extractor /IBP/SOURCELOCATION_ATTR</td>
</tr>
<tr>
<td>Customer Source</td>
<td></td>
<td>IBP_MD_SourceCustomer_AddOn</td>
<td>Extractor /IBP/SOURCECUSTOMER_CI_ATTR</td>
</tr>
<tr>
<td>Resource Location</td>
<td></td>
<td>IBP_MD_ResourceLocation_AddOn</td>
<td>Extractor /IBP/RESOURCELOCATION_ATTR</td>
</tr>
<tr>
<td>Production Data Structure Header</td>
<td></td>
<td>IBP_MD_SourceProduction_Addon</td>
<td>Extractor /IBP/SOURCEPRODUCTION_ATTR</td>
</tr>
<tr>
<td>Production Data Structure Item</td>
<td></td>
<td>IBP_MD_SourceProductionItem_Addon</td>
<td>Extractor /IBP/SOURCEITEM_ATTR</td>
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<tr>
<td>Production Resource</td>
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<td>IBP_MD_Currency_AddOn</td>
<td>Extractor /IBP/CURRENCY_TEXT</td>
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<td>IBP_MD_ExchangeRate_Addon</td>
<td>Extractor /IBP/EXCHANGE_RATES_ATTR</td>
</tr>
</tbody>
</table>
## Pre-Packaged Content for Periodic Data Transfer of Key Figures from Add-On for S/4 HANA On Premise and ERP to Unified Planning Area

<table>
<thead>
<tr>
<th>Object</th>
<th>Template</th>
<th>Data Flow</th>
<th>Sources</th>
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</thead>
<tbody>
<tr>
<td>Resource Capacity Supply</td>
<td>IBP_KF_S4_ERP_AddOn</td>
<td>IBP_KF_CapaSupply_AddOn</td>
<td>Extractor /IBP/CAPASUPPLY_KF</td>
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<tr>
<td>Initial Inventory</td>
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<td>IBP_KF_InitialInventory_AddOn</td>
<td>Extractor /IBP/STOCK_KF</td>
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<tr>
<td>Minimum Receipt</td>
<td></td>
<td>IBP_KF_MinReceipt_AddOn</td>
<td>Extractor /IBP/ORDER_KF</td>
</tr>
<tr>
<td>Minimum Production</td>
<td></td>
<td>IBP_KF_MinProduction_AddOn</td>
<td>Extractor /IBP/ORDER_KF</td>
</tr>
<tr>
<td>Exchange Rate</td>
<td></td>
<td>IBP_KF_ExchangeRates_AddOn</td>
<td>Extractor /IBP/EXCHANGE_RATES_KF</td>
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</tbody>
</table>
Pre-Packaged Content for Periodic Data Transfer of Master Data from Add-On for ERP to IBP Demand Driven Replenishment Planning Area

<table>
<thead>
<tr>
<th>Object</th>
<th>Template</th>
<th>Data Flow</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning Unit</td>
<td>IBP_DDR_MD_ERP_AddOn</td>
<td>IBP_DDR_MD_PlanningUnit</td>
<td>Hard-Coded Entry</td>
</tr>
<tr>
<td>Currency</td>
<td></td>
<td>IBP_DDR_MD_Currency</td>
<td>Hard-Coded Entry</td>
</tr>
<tr>
<td>Customer</td>
<td></td>
<td>IBP_DDR_MD_Customer</td>
<td>Hard-Coded Entry</td>
</tr>
<tr>
<td>Buffer Profile</td>
<td></td>
<td>IBP_DDR_MD_BufferProfile</td>
<td>Hard-Coded Table</td>
</tr>
<tr>
<td>Product</td>
<td></td>
<td>IBP_DDR_MD_Product_w_Text</td>
<td>Extractor /IBP/PRODUCT_TEXT</td>
</tr>
<tr>
<td>Location</td>
<td></td>
<td>IBP_DDR_MD_Location</td>
<td>Extractor /IBP/LOCATION_ATTR</td>
</tr>
<tr>
<td>Location Product</td>
<td></td>
<td>IBP_DDR_MD_LocationProduct</td>
<td>Extractor /IBP/LOCATIONPRODUCT_ATTR</td>
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<tr>
<td>Cost per Unit</td>
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<td>IPB_DDR_MD_LocationProductCurrency</td>
<td>Extractor /IBP/LOCATIONPRODUCT_ATTR</td>
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<tr>
<td>Production Data Structure Header</td>
<td></td>
<td>IBP_DDR_MD_SourceProduction</td>
<td>Extractor /IBP/SOURCEPRODUCTION_ATTR</td>
</tr>
<tr>
<td>Production Data Structure Item</td>
<td></td>
<td>IBP_DDR_MD_ProductionSourceItem</td>
<td>Extractor /IBP/PRODUCTIONSOURCEITEM_ATTR</td>
</tr>
<tr>
<td>Location Source (Transportation Lane)</td>
<td></td>
<td>IBP_DDR_MD_SourceLocation</td>
<td>Extractor /IBP/SOURCELOCATION_ATTR</td>
</tr>
<tr>
<td>Source Customer Group</td>
<td></td>
<td>IBP_DDR_MD_SourceCustomerGroup</td>
<td>Extractor /IBP/SOURCECUSTOMER_CI_ATTR</td>
</tr>
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</table>
Pre-Packaged Content for Periodic Data Transfer of **Key Figures** from Add-On for ERP to IBP Demand Driven Replenishment Planning Area

<table>
<thead>
<tr>
<th>Object</th>
<th>Template</th>
<th>Data Flow</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed Supply Order</td>
<td>IBP_DDR_KF_ERP_AddOn</td>
<td>IBP_DDR_KF_SupplyOrderConfirmed</td>
<td>Extractor /IBP/ORDER_KF</td>
</tr>
<tr>
<td>On Hand Inventory</td>
<td></td>
<td>IBP_DDR_KF_OnHandInventory</td>
<td>Extractor /IBP/STOCK_KF</td>
</tr>
<tr>
<td>Actuals Quantity</td>
<td></td>
<td>IBP_DDR_KF_ActualsQuantity</td>
<td>Extractor /IBP/ACTUALS_QTY_CI_KF</td>
</tr>
<tr>
<td>Total Demand</td>
<td></td>
<td>IBP_DDR_KF_TotalDemand</td>
<td>Extractor /IBP/TOTAL_DEMAND_QTY_CI_KF</td>
</tr>
<tr>
<td>Confirmed Order</td>
<td></td>
<td>IBP_DDR_KF_ConfirmedOrder</td>
<td>Extractor /IBP/ORDER_KF</td>
</tr>
<tr>
<td>Non-Confirmed Supply Order</td>
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<td>IBP_DDR_KF_SupplyOrderNonConf</td>
<td>Extractor /IBP/ORDER_KF</td>
</tr>
</tbody>
</table>
## Pre-Packaged Content for Periodic Data Transfer of Key Figures from IBP Demand Driven Replenishment Planning Area to Add-On for ERP

<table>
<thead>
<tr>
<th>Object</th>
<th>Template</th>
<th>Data Flow</th>
<th>Target</th>
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</thead>
<tbody>
<tr>
<td>Demand Driven Product Location</td>
<td>IBP_DDR_KF_to_ERP_AddOn_via_WS</td>
<td>IBP_DDR_to_ERP_DDPrdLoc</td>
<td>Table /IBP/EDD_PL via FM IBP_EDD_PL_FILL</td>
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<tr>
<td>Time Dependent Buffer Level</td>
<td></td>
<td>IBP_DDR_to_ERP_BufferLvl</td>
<td>Table /IBP/EDD_BLT via FM IBP_EDD_BLT_FILL</td>
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<tr>
<td>Downstream Decoupling Points</td>
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<td>IBP_DDR_to_ERP_DsDcpIngPnt</td>
<td>Table /IBP/EDD_DS_DCP via FM IBP_EDD_DS_DCP_FILL</td>
</tr>
<tr>
<td>Location Products w/o downstream decoupling points (for deletion)</td>
<td></td>
<td>IBP_DDR_to_ERP_DsDcpIngPntDelete</td>
<td>Table /IBP/EDD_DS_DCP via FM IBP_EDD_DS_DCP_FILL</td>
</tr>
<tr>
<td>Location Products w/o order corrections</td>
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<td>IBP_DDR_to_ERP_OrderCorrDelete</td>
<td>Table /IBP/EDD_COR via FM IBP_EDD_COR_FILL</td>
</tr>
<tr>
<td>Time-dependent order corrections</td>
<td></td>
<td>IBP_DDR_to_ERP_OrderCorrections</td>
<td>Table /IBP/EDD_COR via FM IBP_EDD_COR_FILL</td>
</tr>
</tbody>
</table>
**Links for Time Series Based Integration Getting Started**

Onbording Document  

Application Help for IBP Integration using SAP Cloud Platform Integration for data services  
https://uacp2.hana.ondemand.com/viewer/feae3cea3cc549aaa9d9de7d363a83e6/1702/en-US/84c79657c82c6c10e10000000a441470.html

SAP S/4HANA, Supply Chain Integration Add-On for SAP Integrated Business Planning  
http://help.sap.com/ibp_s4hana_addon

SAP ERP, Supply Chain Integration Add-On for SAP Integrated Business Planning  
http://help.sap.com/ibp_erp_addon

Product Availability Matrix for source and target verification  

Getting started on Integration for data services  

Downloading Data Services Agent  
https://launchpad.support.sap.com/

Configure the Agent  
https://help.sap.com/viewer/7d9858e1309e459093ed397c6fc40f12/latest/en-US/ad9b6e8cc01a455c8c9800377f1f9477.html

Integration guide  
Questions & Answers
Meet the Expert SAP IBP WEBINAR: CPI-DS Customer Use Cases
https://dam.sap.com/a/3aCfujF

Meet the Expert: SAP IBP Webinar: External Integration Capabilities and Roadmap
https://dam.sap.com/a/2HX9hxq


SAP IBP Data Extraction via CPI-DS: How to best filter data by time?

SAP IBP Data Extraction via CPI-DS: How to extract key figures on different planning levels?
https://blogs.sap.com/2019/09/09/sap-ibp-data-extraction-via-cpi-ds-how-to-extract-key-figures-on-different-planning-levels/

SAP IBP Data Extraction via CPI-DS: Are your Filters considered?

Troubleshooting Data Integration Tasks in SAP IBP

Use SAP S/4HANA core data services in CPI-DS
Thank you.

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