What’s New in SAP Integrated Business Planning
2008 (Planned)

SAP Product & Solution Management
July 21, 2020
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This is a Sneak Preview

The what’s new webinar as well as the application help are available some weeks before the actual release data.


BUT… things can happen … and features might still be delayed. Therefore: „This is the current state of planning and may be changed by SAP at any time.”

Application help – help.sap.com/ibp
Information about Licensing

None of the material presented include any indication of licensing required, which you can discuss with your individual account team. You can also visit “Applications and Features of SAP Integrated Business Planning for Supply Chain” for more details or get in contact with your Customer Engagement Executive.

Link to “Applications and Features of SAP Integrated Business Planning for Supply Chain”
Agenda

- Intelligent Visibility, Analytics and Exception Management
- SAP IBP, add-in for Microsoft Excel
- Web-based Planning
- Driver-based Planning
- Demand Planning and Sensing
- Supply Planning
- Inventory Optimization
- DDMRP
- Order-based Planning

- Best Practices
- Fiori 3 Launchpad
- User Permissions
- Monitor Application Jobs
- Planning Area Configuration
- Simplified Key Figure Calculations
- Where-Used Graph for Key Figure Calculations
- Time Zones for Time Series

Q&A: Chat is open for questions throughout the session with experts online to answer
Intelligent Visibility, Analytics and Exception Management

Kenton Harman
Intelligent Visibility
Key Figure layer (1)

- A new key figure layer is now available to display your selected key figures in a form of bubbles on the map.
- You can select up to 10 key figures.
- One key figure at a time can be shown on the map but the user can switch between them.
- Positive values are in green and negative values are in red.
Key Figure layer (2)

- A chart is shown in the details section to allow you to analyze the key figure data
- You can switch to Column, Bar or Line chart types
- You can use the time range selector to limit the range of the displayed data
Supply Chain Network graph

- The Supply Chain Network graph is shown in the details section when supply chain network layer is enabled.
- The user can show one of the filtered key figures on the graph.
- The graph is useful to visualize the relationships between inputs and outputs within and between the locations and products.
- Additional master data attribute information can be visualized on the alert details header
- This feature is available automatically for key field attributes
- When the calculation level attribute is part of more than one data types, all data types are shown
Analytics
Drilldown in the dashboard

- You can now drilldown in the dashboard directly without having to navigate to the Analytics app.
- Select some data points on the charts then click on the drill down button.
- Choose one path if there are multiple paths defined.
- You can return to previous levels via the up button.
Cascading filters in charts with drilldown

- This feature will allow you to cascade ad-hoc filters and planning filter values to the next level while drilling down in charts.
- There is an option to decide if you want to cascade ad-hoc filters and planning filter values to the next levels when creating the drilldown path.
- External filters (when coming from dashboard) always have priority than the saved ones (for the same attributes).
Custom Alerts
New Define and Subscribe to Custom Alerts app

The app was built as the foundation for the future of creating new types of alerts.

The alert definition and subscription has been fully redesigned to give the best SAP Fiori experience to the users:

- Alert definitions are shown via a list report giving the possibility to easily find what you are searching for.
- Alert definition creation using a wizard that guides the user through the process.
- Alert definition and subscriptions are shown in a summary page allowing you to quickly find the needed detailed information.

**NOTE:** The existing alert definition app is marked as deprecated and will be removed in the next release.
# Custom Alert Definition list report

## Custom Alert Definitions (4)

<table>
<thead>
<tr>
<th>Name / Description</th>
<th>Subscriptions</th>
<th>Severity</th>
<th>Status</th>
<th>Category</th>
<th>Created By</th>
<th>Created On</th>
<th>Sharing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALERT_CASE_4 TEST</td>
<td>1</td>
<td>Low</td>
<td>Active</td>
<td>Example Supply Planner (IBP)</td>
<td>06/12/2018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AlertNKB_31July Test</td>
<td>3</td>
<td>High</td>
<td>Active</td>
<td>Example Supply Planner (IBP)</td>
<td>07/31/2019</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case2 User A’ has a shared alert “ALERT ABC” that has no case</td>
<td>1</td>
<td>Low</td>
<td>Active</td>
<td>Example Account Planner (IBP)</td>
<td>06/21/2018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEWTEST</td>
<td>3</td>
<td>Low</td>
<td>Active</td>
<td>Example Supply Planner (IBP)</td>
<td>07/16/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Custom Alert Definition creation is divided into steps:

- General Information
- Data Selection
- Alert Rules
- Display Options
- Sharing
You can now define static alert rules with period offset using absolute values. You can also define static alert rules using percentage values with period offset for both key figures. The key figure values will be compared with an offset in the past or in the future from the selected time horizon.

Choose the Rule with offset from the menu when adding a rule.
Rules with period offsets (2)

The key figure values will be displayed in the Monitor Custom Alert app along with the period offset used in the rules.
Other developments
Buffering enhancements

- You can now use the **Combine Selection Criteria** checkbox in the **Alerts and Analytics buffering** job template to schedule the buffering for specific charts or alert subscriptions to reduce the calculation time.

- Using the **Combine Selection Criteria** checkbox applies an **AND** statement to the parameters to identify the charts that will be buffered.
Navigation scenarios

It is now possible to configure contextual navigation for the following targets:

- **SAP Digital Manufacturing Insights – Plant Insights**

- **SAP S/4HANA Inventory Management apps**
  - Overview Inventory Management
  - Inventory Analysis Overview
  - Stock - Single Material
  - Inventory Turnover Analysis
  - Slow or Non-Moving Materials
  - Dead Stock Analysis
  - Overdue Materials – In transit
  - Overdue Materials - Goods Receipt Blocked Stock

Note: The patterns and parameters for these targets are shown in the SAP Help Portal documentation.
Transport of content

You can transport the following entities using the **Export Software Collection** app:

- Dashboards
- Analytics (charts)
- Alert Definitions
- Alert Overviews
SAP IBP, add-in for Microsoft Excel 2008.2.0

Anna Linden
Validation check for attribute-based planning filters

You receive an error message if you try to delete an attribute-based filter that is used in objects such as:

- Application Jobs
- Application Job Templates
- Planning View Favorites
- Master Data Workbook Favorites
- Planning View Templates
- Planning Views in the Web-based Planning app (Interactive Planning)
- Alert Definitions
- Analytics
- Dashboards

You can't delete the filter in these cases.
Validation check for attribute-based planning filters
Where-used list in the Planning Filters app

In the Planning Filters application on the SAP IBP webUI, you can get a more detailed list of objects where specific attribute-based planning filters are used.

Please note, that **Master Data Workbook Favorites** can be found under **Planning View Favorites** with a [MD] as prefix.

<table>
<thead>
<tr>
<th>Where-Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jobs: No data.</td>
</tr>
<tr>
<td>Job Templates: No data.</td>
</tr>
<tr>
<td>Planning View Favorites: [MD]FavoriteWithFilter[-1]COMMO</td>
</tr>
<tr>
<td>Planning View Templates: No data.</td>
</tr>
</tbody>
</table>
Statistical Forecasting Application Jobs
Scenario Selection

When you run or schedule a statistical forecasting job from the SAP IBP, add-in for Microsoft Excel, you can now also define if the forecast model should be executed for specific scenarios.
Web-based Planning
Pramod Mane & Ralf Heimburger
Create, edit and delete Planning notes

- Planners can now create planning notes directly on the planning view by choosing a cell, opening the context menu, and selecting the corresponding option.
- They can edit and delete planning notes in the table containing all the planning notes for a key figure value.
- This table also provides information about the editing status of a planning note in the form of icons.
Create, edit and delete Planning notes

- The authorization for creating planning notes and the authorization for editing and deleting planning notes can be granted separately.

- To enable planners to create planning notes, the administrator needs to grant write access for planning notes in the **Administration Functions** restriction type.

- To enable planners to edit and delete planning notes, the administrator needs to make settings in the new **Planning Note Editability** restriction type that has been added to the business catalog for the **Web-Based Planning** app.
Usability enhancement: Proactive Session Time-out

The system now notifies you when your planning session is about to timeout. This way can save your recent key figure changes, simulate the effect of their changes, or refresh the key figure data before the planning session expires.

If you’re not ready yet to take action, you can also prolong your planning session for another 30 minutes.
Dynamic navigation to other systems in Web-Based Planning

- Enhance user experience by connecting IBP and ERP / SAP S/4 systems using cross-system navigation capabilities
- Planner can navigate from IBP to ERP or S/4
- Dynamic navigation targets based on context of displayed order
Navigation to an **order details screen of an ERP / S/4 system** (dependent on order type)

- E.g. transaction VA03 to display sales orders
- E.g. transaction ME23N to display STRs, STOs, PurReqs, POs
- ... 

Navigation to **other transactions in the context of an order**

- E.g. transaction MD04 to display the stock/requirement list

Navigation to **Web-based applications like factsheets in S/4**

Navigation to **any target using a defined URL**
Contextual navigation for orders in WBP

Context-based navigation targets can be selected in “Navigate To” dropdown box when a single line is selected.

- Navigation target can be dependent on:
  - Object type
  - System
- Navigation targets are customized by administrator
- Example for Sales Order:
  - Display Sales Order Factsheet
  - Stock/Requirement List (System S4)
  - Display Sales Order (System S4)
Contextual navigation for orders in WBP

Example

SAP IBP – Web-Based Planning

SAP S/4 – Sales Order Factsheet

Navigate To: Sales Order Factsheet in S/4
Contextual navigation for orders in WBP

Example

Contextual navigation based on order type and logical system of selected order
Driver-based Planning
Raghav Jandhyala
Transport of Driver Based Planning Views

You can transport the DBP Views entities using the **Export Software Collection** app:
The **Driver Based Planning** app uses the time zone that has been set for the system by the administrator to determine which period is the current period for key figure editability.

For key figures that are defined as editable in the current and future, it determines as of which period you can edit these key figures in the planning view or when you create, replace, or copy a driver.

Similarly, for key figures that are defined as editable in the past, it determines up to which period you can edit these key figures.
Usability enhancement: Proactive Session Time-out

The system now notifies user when planning session is about to timeout. This way planner can save recent key figure changes or refresh the key figure data before the planning session expires.

If not ready yet to take action, planner can also prolong your planning session for another 30 minutes.

The session Time-out is applicable for Driver Summary and Driver Details Views.
Usability Enhancements

The **Planning Attribute Values filter selection** during Driver Create/Replace has been enhanced for performance and usability to allow user select from large number of available planning attribute values.

- The previously selected values are displayed at the top of the selection list.
- User can search for values which are not there in the initially loaded list.
- The default displayed values for selection are limited to 50. When user scrolls down the list, the values are dynamically retrieved from backend.
Demand Planning Enhancements with IBP 2008

- Enhancements in Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Forecast Automation: Leverage detected Change Points in Forecasting (1/2)
Enhancement to Forecast Automation

Change Point Detection was already introduced with IBP 1911:
Forecast Automation: Leverage detected Change Points in Forecasting (2/2)

Enhancement to Forecast Automation

**New:** Include change point information as additional system-generated feature to the forecasting methods **Gradient Boosting**

=> Gradient Boosting can react **automatically** on structural changes in the sales pattern

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**Algorithms**

<table>
<thead>
<tr>
<th>Algorithm</th>
<th>Gradient Boosting of Decision Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Number of Trees:</strong></td>
<td>50</td>
</tr>
<tr>
<td><strong>Learning Rate:</strong></td>
<td>0.1</td>
</tr>
<tr>
<td><strong>Maximum Tree Depth:</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

**Key Figures (1)**

- Independent Variable: COVID-19 Indicator

**System-Generated Features**

- Month of the Year: ✔
- Quarter of the Year: ✔
- Day of the Week: ❌
- Day of the Month: ❌
- Periods with Outliers: ❌

**Consider Change Points:** ✔

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Demand Planning Enhancements with IBP 2008

- Enhancements in Forecasting
- **Enhancements of Time Series Analysis**
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Seasonality can be pre-defined to be “Additive” or “Multiplicative” only.

Use case: “Aggregated Seasonality”

⇒ Identify seasonality pattern via Time Series Analysis on aggregated level, e.g. Product Group level

⇒ Apply this seasonality pattern on lower level, e.g. Product level.

This only works for “Multiplicative Seasonality”
Time Series Analysis: Consider Change Points
Enhancement to Forecast Automation

New option “Consider Change Points” for Time Series Analysis:
- If change point detection finds changes in the trend or level shifts, it splits the history horizon to sections bordered by change points
- When Time Series Analysis is executed with Consider Change Points, analysis will process the latest section, only

Example:

Sales Qty

Without Change Points: descending trend
Based on last section: continuous

Trend change 1
Trend change 2
Demand Planning Enhancements with IBP 2008

- Enhancements in Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Product Lifecycle Management
Mass Maintenance of Product Assignments and Forecast Dates

Mass Maintenance of Product Assignments and Forecast Dates: Create or edit multiple product assignments and forecast dates at the same time

- Enter data manually via table maintenance supported by excel like features like copy & paste
- Paste data from the clipboard
- Upload a CSV file
- Immediate validation of all or single lines of the table.
Product Lifecycle Management
Planning Object Check for Product Assignments

- New check to verify if the relevant planning objects for your product assignments and key figures exist
- You can either check all filtered product assignments or just selected product assignments.
- Potential issues are displayed and results of the check can be downloaded to a CSV file
Product Lifecycle Management
Support for Finding Reference Products

Improved value help for reference products:

- shows how many of the product attributes values match between new and existing products.
- The higher this number, the more likely the product is a candidate for reference product
Product Lifecycle Management
Switch for Use of Own Product History After Phase-in End

Two options about used sales history when phase-in end is reached:

- New product’s own history only (only option so far)
- Historical values as defined by reference products (new)

Setting to be done in the “Settings for Product Lifecycle” app:
Demand Planning Enhancements with IBP 2008

- Enhancements in Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Realignment
Multiple Attribute Mappings in One Realignment Step

You can now create multiple mappings for one attribute in one realignment step. Previously, you had to create a separate realignment step for every attribute you wanted to map.
Realignment
Other Enhancements

Re-running Executed Realignment Projects Without Approval:

- No need anymore to set the status back to “Approved” before scheduled again
- To enable this feature, the administrator has to set the global configuration parameter APPROVAL_FOR RESCHEDULING to NO.
- Supports use case where realignment need to be done repeatedly
Demand Sensing
Mehmet Demirci
Disaggregating Weekly Promotions
During Daily Sensed Demand Calculations (1/2)

- Starting with IBP 2008, Demand Sensing now delivers a new feature around how weekly promotion uplifts are disaggregated into days during daily sensed demand calculations: The new logic disaggregates weekly promotion uplifts into days according to the optimal daily demand split determined by machine learning.

- A new technical global configuration parameter, called SCAL_WEEKLY_UPLIFT_DISAGG, is introduced to toggle this new feature on or off. The new logic will be off by default in 2008 but will become the default logic for disaggregating promotion uplifts from weeks to days in upcoming releases:
  - Users can opt-in to enable this feature in IBP 2008: If you would like to turn this feature ON in IBP 2008, please open an incident for component SCM-IBP-DM-DS.
  - Select customers will be contacted to start using this feature in IBP 2008.

- Note that this feature is only relevant when 1) promotions are used in the DS forecast model, and 2) promotion uplifts are provided at a weekly level of granularity as inputs. If promotion uplift inputs are already at a daily level, there is no daily disaggregation needed for them and their input daily values will be used.
Disaggregating Weekly Promotions
During Daily Sensed Demand Calculations (2/2)

**Example:** Demand Sensing is run with Promotion Elimination and Promotion Uplift plans are provided as weekly inputs in the Demand Sensing Forecast Model

- Baseline Daily Optimized Sensed Demand is calculated using machine learning
- Uplifts are equally distributed to the working days of the week

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**Table 1:**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>LOCATION</th>
<th>CUSTOMER</th>
<th>LAG</th>
<th>KEY FIGURE</th>
<th>2020-01-20</th>
<th>2020-01-27</th>
<th>2020-02-03</th>
<th>2020-02-10</th>
<th>2020-02-17</th>
<th>2020-02-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT_001 LOCATION_01 CUSTOMER_01</td>
<td>(None) Consensus Demand</td>
<td>1644</td>
<td>1928</td>
<td>1702</td>
<td>1766</td>
<td>1613</td>
<td>1610</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRODUCT_001 LOCATION_01 CUSTOMER_01</td>
<td>(None) Promotion Uplift</td>
<td>0</td>
<td>1200</td>
<td>0</td>
<td>0</td>
<td>200</td>
<td>200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRODUCT_001 LOCATION_01 CUSTOMER_01</td>
<td>(None) Consensus Demand without Promotions</td>
<td>1644</td>
<td>728</td>
<td>1702</td>
<td>1766</td>
<td>1413</td>
<td>1410</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRODUCT_001 LOCATION_01 CUSTOMER_01</td>
<td>(None) Requested Qty</td>
<td>2068</td>
<td>1800</td>
<td>511</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRODUCT_001 LOCATION_01 CUSTOMER_01</td>
<td>(None) Sensed Demand Qty</td>
<td>2068</td>
<td>1800</td>
<td>1021</td>
<td>1060</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Table 2:**

<table>
<thead>
<tr>
<th>SCAL_WEEKLY_UPLIFT_DISAGG: OFF</th>
<th>SCAL_WEEKLY_UPLIFT_DISAGG: ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced Weekly Uplift Disaggregation not used</td>
<td>Enhanced Weekly Uplift Disaggregation is used</td>
</tr>
</tbody>
</table>

- Baseline Daily Optimized Sensed Demand is calculated using machine learning
- Uplifts are disaggregated into days according to the optimal daily demand split profiles calculated by machine learning
Current Period & Time Zone Handling in Statistical Forecasting Jobs in IBP Web UI

Execution Time: when the job will run

Current Period: date the job will consider as “today”. Can be set to:

1. Execution Time
   * <Blank> defaults to “Execution Time”

2. Execution Time in Selected Time Zone

3. Selected Time
Time Zones and Period Offsets in Demand Sensing

Information in Demand Sensing Log

- **Current Period time stamp and time zone logged:** these are coming from the settings for Current Period in the Statistical Forecasting application job.

- **Provides more detail into the current period for the Planning Area and the Demand Sensing Forecast model being run.**

**Planning Area and Forecast Model offsets are applied after the Current Period is read from the application job.**

**Step** | **Severity** | **Message**
--- | --- | ---
| **Information** | **Current period initialized with time stamp 2020-06-23T11:22:33 and time zone EST** | 
| **Demand Sensing (Full)** | **Information** | Planning area date is 2020-06-20. 
| **Demand Sensing (Full)** | **Information** | Starting forecast date is 2020-06-18. |
Product Lifecycle - **Product Assignment Validity Dates Are Now Supported in Demand Sensing**

- **“Valid From / Valid To”** Dates: can be used to model predecessor chains in product reference mappings:
  - i.e., a product getting mapped to different products in a time-varying manner
- If these are left blank, the assignment will be considered for all time periods
- If they are filled, they cannot have gaps
- DS now considers these dates during historical data mapping for new products starting with IBP 2008
Location-Product Substitution

- This feature enables to satisfy demand for a leading location product with supply of another (substitute) location product, and also vice versa in certain circumstances (mutual substitution).
- Business scenarios supported are: Product discontinuation, Product promotion
- Location product substitution is only available with the time-series-based supply planning heuristic (type Infinite Without Shortages only) and the time-series-based supply planning optimizer.
Location-Product Substitution

- You must create and configure the required master data types, key figures, and attributes and add them to the planning area.
- If you're using the supply planning optimizer, you also need to set the cost key figures appropriately.

Master Data:
- Location Product Substitution → S4LOCATIONPRODUCTSUB
Location-Product Substitution

**Output key figures:**
Location Product Substitution Receipts (technical name LPSUBSTITUTIONRECEIPT).
This key figure shows how many pieces leading product PRDID receives from substitute product SPRDID.
Base Planning level is PRDID, LOCID, SPRDID.

Location Product Substitution Supply (technical name LPSUBSTITUTIONSUPPLY).
This key figure shows how many pieces leading product PRDID supplies to the substitute product SPRDTO.
Base Planning level is PRDID, LOCID, SPRDTO.
Location-Product Substitution

**Input key figures:**
Location Product Substitution Cost Rate (technical name LPSUBSTCOSTRATE).
This key figure defines the costs per unit for substituting leading location product PRDID with substitute product SPRDID at location LOCID. This key figure is for use with the optimizer only.

Base Planning level is PRDID, LOCID, SPRDID.
#1A: Scenario “Product Discontinuation” A → B; Hard Stop A (Product A is discontinued)

<table>
<thead>
<tr>
<th>PRDID</th>
<th>SPRDID</th>
<th>LOCID</th>
<th>VALID_FROM</th>
<th>VALID_TO</th>
<th>REASON</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROD_A</td>
<td>PROD_B</td>
<td>DC101</td>
<td>OCT 2020</td>
<td></td>
<td>HardStop</td>
</tr>
</tbody>
</table>

**Hard Stop:**
- Product A is no longer valid / must no longer be shipped
- Demands of A are satisfied by B products as of a certain period
- Remaining stocks of A are not used to satisfy A demands
- A must no longer be produced / procured
- Inventory Target for A will be ignored

![Diagram of Product Discontinuation](image)

**Product A → Product B**
- DC 101
- Plant 106

**LOCATIONPRODUCTSUB**

```
<table>
<thead>
<tr>
<th>Location ID</th>
<th>Loc-Prod Subst Valid-From Date</th>
<th>Product ID</th>
<th>Substitute Product ID</th>
<th>Loc-Prod Subst Valid-To Date</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC101</td>
<td>2020-10-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td></td>
<td>HARDSTOP</td>
</tr>
</tbody>
</table>
```
#1A: Planning Run Results for Product A → Product B with hardstop

### Unconstrained Heuristic

- Demand of ‘A’ is satisfied with ‘B’ receipts after transition date
- Left-over inventory of ‘A’ as of transition date is left unused.
- Inventory Target of ‘A’ is not satisfied after the transition date.

### Optimizer

- Demand of ‘A’ is satisfied with ‘B’ receipts after transition date
- Left-over inventory of ‘A’ as of transition date is left unused.
- Inventory Target of ‘A’ is satisfied after the transition date. Receipts of ‘A’ in prior period before transition date.

(Optimizer is penalty cost based so you should set the costs accordingly for e.g. High inventory holding cost rate for A or no inventory target violation cost rate)
Substitution Receipt and Substitution Supply Key Figures

- **Location Product Substitution Receipts**: (LOCID-PRDID-SPRDID → DC101-PRODUCT A-PRODUCT B)
  - At DC101, demand of Product A was substituted by receipts of Product B
  - Here Product A is the substituted product and Product B is the substitute product

- **Location Product Substitution Supply**: (LOCID-PRDID-SPRDTO → DC101-PRODUCT B - PRODUCT A)
  - At DC101, Supply of Product B substituted the demand of Product A.
  - Here Product B is the substitute Product and Product A is the substituted product
#1B: Scenario “Product Discontinuation” A → B; Use-up with Use-up by date (Forward Only)

<table>
<thead>
<tr>
<th>PRDID</th>
<th>SPRDID</th>
<th>LOCID</th>
<th>VALID_FROM</th>
<th>VALID_TO</th>
<th>REASON</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROD_A</td>
<td>PROD_B</td>
<td>DC102</td>
<td>OCT 2020</td>
<td>DEC 2020</td>
<td>SoftStop</td>
</tr>
<tr>
<td>PROD_A</td>
<td>PROD_B</td>
<td>DC102</td>
<td>JAN 2021</td>
<td></td>
<td>HardStop</td>
</tr>
</tbody>
</table>

**Soft Stop:**
- Product A is no longer valid / must no longer be shipped
- Demands of A are satisfied by B products as of a certain period
- Remaining stocks of A should be used up to satisfy A demands – until a defined end period
- A must no longer be produced / procured / transported
- Inventory Target for A will be ignored

**Product A → Product B with use up**

**Supply Planning**

<table>
<thead>
<tr>
<th>Location ID</th>
<th>Loc-Prod Subst Valid-From Date</th>
<th>Product ID</th>
<th>Substitute Product ID</th>
<th>Loc-Prod Subst Valid-To Date</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC102</td>
<td>2020-10-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td></td>
<td>SOFTSTOP</td>
</tr>
<tr>
<td>DC102</td>
<td>2021-01-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td>2020-12-31 23:59:59.999</td>
<td>HARDSTOP</td>
</tr>
</tbody>
</table>
#1B: Unconstrained Heuristic A → B@DC102 Soft Stop with Use-Up

- Left-over inventory of ‘A’ as of transition date is used until Use-Up Date to meet demand of ‘A’
- Inventory Target of ‘A’ is not satisfied after the transition date

Demand of ‘A’ is satisfied with new receipts of B after use-up date i.e. Dec 2020. The stock of ‘A’ remains unused.
#1B: Optimizer  Product A → B@DC102 Soft Stop with Use-Up

- **Demand of ‘A’ is satisfied with stock of A until use-up date i.e. Dec 2020**

| Location ID | Product ID | Ship-To Location ID | Key Figure | APR 2020 | MAY 2020 | JUN 2020 | JUL 2020 | AUG 2020 | SEP 2020 | OCT 2020 | NOV 2020 | DEC 2020 | JAN 2021 | FEB 2021 | MAR 2021 |
|-------------|------------|---------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| DC102       | PRODUCT A  | (None)              | Independent Demand | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 4,000    | 3,000    | 2,000    | 1,000    | 1,000    |
| DC102       |            |                     | Total Independent Demand Delivered (Demand-Centric) | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 4,000    | 3,000    | 2,000    | 1,000    | 1,000    |
| DC102       |            |                     | Total Supply for Independent Demand (Location-Centric) | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 5,000    | 4,000    | 3,000    | 2,000    | 1,000    | 1,000    |
| DC102       |            |                     | Receipts | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    | 6,000    |
| DC102       | PRODUCT B  | (None)              | Independent Demand | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   |
| DC102       |            |                     | Total Independent Demand Delivered (Demand-Centric) | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   |
| DC102       |            |                     | Total Supply for Independent Demand (Location-Centric) | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   | 12,000   |
| DC102       |            |                     | Receipts | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    |
| DC102       | PRODUCT B  | (None)              | Independent Demand | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    |
| DC102       |            |                     | Total Independent Demand Delivered (Demand-Centric) | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    |
| PLANT106    | PRODUCT A  | (None)              | Independent Demand | 14,000   | 14,000   | 14,000   | 14,000   | 14,000   | 14,000   | 13,000   | 11,000   | 10,000   | 10,000   | 10,000   |
| DC101       |            |                     | Total Independent Demand Delivered (Demand-Centric) | 14,000   | 14,000   | 14,000   | 14,000   | 14,000   | 14,000   | 13,000   | 11,000   | 10,000   | 10,000   | 10,000   |
| DC102       |            |                     | Total Supply for Independent Demand (Location-Centric) | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    | 8,000    |

- **Left-over inventory of ‘A’ as of transition date is used until Use-Up Date to meet demand of ‘A’**
- **Inventory Target of ‘A’ is satisfied after the transition date. Receipts are created for ‘A’ in prior bucket. (Model inventory holding penalty costs or inventory target violation cost rate)**

- **Demand of ‘A’ is satisfied with new receipts of B after use-up date i.e. Dec 2020. The stock of ‘A’ remains unused**
#1C: Scenario “Product Discontinuation” A $\leftrightarrow$ B; Use-up until Use-up by date (Mutual Substitution)

DC 103

Plant 107

Product A $\leftrightarrow$ Product B

<table>
<thead>
<tr>
<th>Location ID*</th>
<th>Loc-Prod Subst Valid-From Date*</th>
<th>Product ID*</th>
<th>Substitute Product ID*</th>
<th>Loc-Prod Subst Valid-To Date</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC103</td>
<td>2020-10-01 00:00:00.000</td>
<td>PRODUCT B</td>
<td>PRODUCT A</td>
<td>2020-12-31 12:39:59.999</td>
<td>SUBSTITUTION</td>
</tr>
<tr>
<td>DC103</td>
<td>2021-01-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td>2020-12-31 12:39:59.999</td>
<td>HARDSTOP</td>
</tr>
<tr>
<td>DC103</td>
<td>2020-10-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td>2020-12-31 12:39:59.999</td>
<td>SOFTSTOP</td>
</tr>
</tbody>
</table>
• Left-over inventory of ‘A’ as of transition date is used until Use-Up Date to meet demand of ‘A’
• Demand of ‘B’ is substituted with ‘A’ in the substitution horizon → October 2020 – December 2020. This is however controlled via costs (either production costs for B or inventory holding cost rate of A)
Scenario “Promotion Planning”

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Business Req</th>
<th>Use Up Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promo</td>
<td>A to B to A</td>
<td>Hard Stop A, Use Up B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRDID</th>
<th>SPRDID</th>
<th>LOCID</th>
<th>VALID_FROM</th>
<th>VALID_TO</th>
<th>REASON</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROD_A</td>
<td>PROD_B</td>
<td>DC201</td>
<td>OCT 2020</td>
<td>DEC 2020</td>
<td>Promotion</td>
</tr>
<tr>
<td>PROD_A</td>
<td>PROD_B</td>
<td>DC201</td>
<td>JAN 2021</td>
<td>MAR 2021</td>
<td>Substitution</td>
</tr>
<tr>
<td>PROD_B</td>
<td>PROD_A</td>
<td>DC201</td>
<td>JAN 2021</td>
<td>MAR 2021</td>
<td>SoftStop</td>
</tr>
</tbody>
</table>

Promotion:
- Demands of A are temporarily satisfied by B products
- Remaining stocks of A must not be used to satisfy A demands during the promotion phase
- A can be produced to fulfill inventory target of A

Substitution:
- Demands of A can be satisfied by B products – as long as B comes out of stock
- Demands of B can be satisfied by A products
- Production, transportation and external receipts for A possible

Soft Stop:
- Product B is no longer valid / must no longer be shipped
- Demands of B are satisfied by A products as of a certain period
- Remaining stocks of B should be used up to satisfy B demands – until a defined end period
- ‘B’ must no longer be produced / procured / transported
- Inventory Target for B will be ignored
#1: Promotion Planning A $\rightarrow$ B $\rightarrow$ A; Hard Stop A, Use-Up B by Date (Regional Promo)

**LOCATIONPRODUCTSUB**

<table>
<thead>
<tr>
<th>Location ID</th>
<th>Loc Prod Subst Valid From Date</th>
<th>Product ID</th>
<th>Substitute Product ID</th>
<th>Loc Prod Subst Valid To Date</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC201</td>
<td>2020-10-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td>2020-12-31 23:59:59.999</td>
<td>PROMOTION</td>
</tr>
<tr>
<td>DC201</td>
<td>2021-01-01 00:00:00.000</td>
<td>PRODUCT A</td>
<td>PRODUCT B</td>
<td>2021-03-31 23:59:59.999</td>
<td>SUBSTITUTION</td>
</tr>
<tr>
<td>DC201</td>
<td>2021-01-01 00:00:00.000</td>
<td>PRODUCT B</td>
<td>PRODUCT A</td>
<td>2021-03-31 23:59:59.999</td>
<td>SOFTSTOP</td>
</tr>
</tbody>
</table>
#1: Unconstrained Heuristic: Promotion Planning A→B→A; Hard Stop A, Use-Up B by Date

Promotion (Oct 2020 – Dec 2020)
- Demands of A are temporarily satisfied by B products
- Remaining stocks of A are not used to satisfy A demands during the promotion phase
- A is produced to fulfill inventory target of A

Substitution (Jan 2021 – March 2021)
- Demands of A are satisfied by B products – as long as B comes out of stock (Depleting stock of B takes priority over stock of A)
- Demands of B can be satisfied by A products
- Production, transportation and external receipts for A possible

SoftStop (Jan 2021 – March 2021)
- Product B is no longer valid / must no longer be shipped
- Demands of B are satisfied by A products as of a certain period
- Remaining stocks of B should be used up to satisfy B demands – until a defined end period
- ‘B’ must no longer be produced / procured / transported
- Inventory Target for B will be ignored

After the use-up date the ‘A’ and ‘B’ behave as independent products.
Promotion (Oct 2020 – Dec 2020)
- Demands of A are temporarily satisfied by B products
- Remaining stocks of A are not used to satisfy A demands during the promotion phase
- A is produced to fulfill inventory target of A

Substitution (Jan 2021 – March 2021)
- Demands of A are satisfied by B products – as long as B comes out of stock (This is dependent on the optimizer penalty costs)
- Demands of B can be satisfied by A products
- Production, transportation and external receipts for A possible

SoftStop (Jan 2021 – March 2021)
- Product B is no longer valid / must no longer be shipped
- Demands of B are satisfied by A products as of a certain period
- Remaining stocks of B should be used up to satisfy B demands – until a defined end period
- ‘B’ must no longer be produced / procured / transported
- Inventory Target for B will be ignored

• After the use-up date the ‘A’ and ‘B’ behave as independent products.
Optimizer Run Details

- You can now see the **progress of an optimizer run** as well as the **impact of specific cost types on its result** on the new **Optimizer Run Details** screen.

- You can access the latter from a dedicated row (*Optimizer run details for version <xyz>* or *Optimizer run details for version <xyz> and scenario <abc>*)) in the application job log.

- The information provided is useful to determine the adequate optimizer runtime as well as appropriate cost settings. To do so, perform one or more test runs of the optimizer
Optimizer Run Details

- In the progress chart, you find how the solution costs – as an indicator for the solution quality – develop over the job runtime.

- The solution costs are displayed for both the objective function value and the objective function bound, so that you can determine the optimization gap, another indicator for the solution quality. This information is useful to determine the adequate optimizer runtime.
Optimizer Run Details

- Under Cost Type Distribution, you find the impact of individual cost types in a bar chart, with descending impact from left to right. You can easily compare the impact of different cost types.

- If you find that some cost types have too high or too low of an influence, you can adapt the settings in your master data, key figures, or in the optimizer profile.
Component Validity

- Allows to define dates from which and up to which components are valid for production.
- Supported by following time-series supply planning algorithms:
  - Optimizer, Heuristic (infinite without shortage), Finite heuristic, Shelf life planning heuristic
  - Supply propagation heuristic. Note that since SAP IBP for Supply Chain 2005, this heuristic is no longer available for customers on newly installed SAP IBP systems.
- Each component validity is treated independently from the others. Only components maintained in Production source item table can have validities.
- When a component is not valid, the production can be planned as usual, but does not consume the component.
- A component is valid, when the last period of the production is in a valid interval. This may not be the period of the component consumption.

New Master Data: PRODUCTIONSOURCEITMVALIDITY

<table>
<thead>
<tr>
<th>SOURCEID</th>
<th>PRDID</th>
<th>LOCID*</th>
<th>COM VishidFR</th>
<th>COM VishidTDO</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLANT107_PRODUCT7</td>
<td>COMPONENT6</td>
<td>LOC 1</td>
<td>JUN 2020</td>
<td>DEC 2029</td>
</tr>
<tr>
<td>PLANT107_PRODUCT7</td>
<td>COMPONENT6</td>
<td>LOC 1</td>
<td>JUN 2020</td>
<td>DEC 2025</td>
</tr>
</tbody>
</table>

*Location ID is optional column
Other Time-Series Supply Planning Enhancements

New Parameter: Calendar Reference Check Policy

- You can use this parameter to control how the planning algorithms behave if they find an invalid calendar reference. You can stop with error, continue with warning, or carry out no check at all.

- This parameter is available for the time-series-based supply planning heuristics (except the shelf life planning heuristic), the time-series-based supply planning optimizer, and the check mode planning algorithm. A similar parameter carries out this check for forecast consumption calendars in profiles not enabled for supply planning.

- The default behavior is that the planning algorithm checks for invalid calendar references and stops with an error message when it finds one that doesn't exist.
New Parameter: Consider Minimum Transport and Inventory Correction

- You can use this parameter to aggregate all inventory-related fixed activities (such as inventory correction or minimum transport supplies and receipts) for later aggregated periods. It's for use with the time-series-based supply planning optimizer only.

- You need to select the parameter in the Time Aggregation section of the S&OP Operator Profiles app, as it's turned off by default.

- If you don't select this parameter, all inventory-related fixed activities are completely ignored beyond the aggregation horizon. It's not possible to use these features in a non-aggregated way; either you must aggregate them or not use them at all.

Other Time-Series Supply Planning Enhancements
Inventory Optimization
Alexis Lozada
SAP Fiori app for planning profile configuration of all inventory optimization planning operators*

- Create planning profiles with choices for planning using the SAP Fiori app Inventory Profiles.
- For new profiles, define profile name, planning area, description and planning horizon (supports week inputs only and defaults to 52 weeks).
- Use the SAP Fiori app Inventory Profiles to create job templates and run application jobs:
  - Planning operator type: IO_PROFILE
  - Planning Operator: Inventory Planning Profile
  - Standard job template: Profile Based Inventory Optimization
- Excel UI Support: “Inventory Planning (Advanced)” in Applications Jobs to support batch runs for baseline and scenarios.
  - Note: Requires upgrade to 2008 IBP Excel Add-On.
- Simulate will not be supported in Excel UI.
- Impacted planning operators:
  - Global (multi-stage) inventory optimization
  - Calculate Target Inventory Components
  - Decomposed (single-stage) inventory optimization

* Support continues for IO Planning Operators in old framework in IBP 2008 release.
New Application Jobs feature Inventory Planning (Advanced) supports batch runs for baseline and scenarios, including:
- Run, Schedule and Status functions
- Selection of Planning Operator
- Selection of Function: Global (multi-stage) inventory optimization, Calculate Target Inventory Components or Decomposed (single-stage) inventory optimization
- Selection of Scenarios, Versions and Subnetwork.
- Selection of Filters

Inventory Optimization in Application Jobs remain supported in Excel UI.

Feature available with upgrade to IBP 2008 Excel Add-On. Older versions of IBP Excel Add-On will display feature, but selection of Function will not be visible and supported.

Running the feature with versions of IBP Excel Add-On older than 2008 executes the Global (multi-stage) inventory optimization function.

Not supported in release: Simulate in Excel UI.
Fiori Supply Chain Network: New side panel improves user experience

- Transitioned Filter Bar to a Side Panel to facilitate user experience.
- The Side Panel contains two tabs: Filters and Information.
- In Filters tab, user can enter inputs for:
  - Basic Settings
  - Attributes
  - Key Figures
- In Information tab, user can:
  - add a chart to an existing dashboard.
  - view administrative information: Created By, Created On date, Changed By and Changed On date.
- A new Preview button allows user to render a chart prior to saving.
- Note: Add to Dashboard control displayed in Save As window moved to Information tab.
Planned Changes in Inventory Global Configuration Parameters

<table>
<thead>
<tr>
<th>Global Parameter Name</th>
<th>IBP 2008 Default Value</th>
<th>IBP 2011 Default Value</th>
<th>IBP 2012 Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCAL_HANDLE_DEMAND_RAMP_DOWN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes. (Deprecate from UI)</td>
</tr>
</tbody>
</table>

- Inventory Targets align to same periods when demand ramps down temporarily due to seasonality and/or phases out of from plans.
- Algorithm automatically detects periods of demand ramp-down and/or phase out and new Key Figures indicate when inventory targets are adjusted to such periods:
  - Demand Ramp-Down Indicator: DEMANDRAMPDOWNIND. Detected on a period t when the period’s demand falls below a threshold proportional to the demand moving average. Once detected, the demand ramp down period is at least as long as the exposure period (lead time plus periods between review).
  - Demand Phase-Out Indicator: DEMANDPHASEOUTIND. Detected when all consecutive periods have zero demand including the end of the planning horizon.

![Graphs showing planned changes and key figures](image)
Demand-Driven MRP (DDMRP)
Atul Bhandari
SAP Fiori App “DDMRP Buffer Analysis”
Mass update of Decoupling Points
Demand-Driven Replenishment: Order Generation
Integration to ERP Via IBP Add-on Data Flow Templates

Data flow templates have been updated for the integration from ERP to SAP ERP. The integration is now using RFC Enabled function modules instead of web-service.
Order-based Planning
Thomas Fiebig & Claus Bosch
Synchronized Planning - Production Planning Integration
Using the combined planning capabilities of SAP IBP and embedded PPDS on SAP S/4 HANA 2020

Production Planning Integration within Synchronized Planning provides approved scenarios for two stage planned order integration between OBP Order Based Planning and embedded PPDS on SAP S/4HANA.

For IBP release 2008 and SAP S/4 HANA 2020 the first integration scenario named Detailed Scheduling delegated is introduced. In this scenario Order Based Planning owns the entire production planning process while ePPDS caters to detailed scheduling and sequencing process steps without changing quantities planned or production versions chosen by IBP.

Value Proposition

- Refine the production schedule in ePPDS while staying in line with the overall demand driven supply chain plan provided by SAP IBP
- Leverage the extensive detailed scheduling and sequence optimization capabilities of ePPDS to increase short-term quality of SAP IBP plans
- Provide the local production scheduler with a mid-to-long term outlook on upcoming production quantities in ePPDS interactive planning

Capabilities:

- Uses existing SDI technology to connect SAP IBP with SAP S/4HANA and core interface to connect SAP S/4HANA with ePPDS
- Distinguishes between rough-cut planned orders generated by SAP IBP and detailed planned orders scheduled by ePPDS
- Enables handover from the rough-cut to the detailed planned order stage within the so called DPS Horizon
- By switching on and off the DPS Horizon as a run option protects the detailed schedule in an extended planning time fence or adjusts the short term production volume to the latest demand situation
Fair Share in Order-based Optimization

With IBP 2008, the planning algorithm Optimizer in Order-based Planning supports fair share distribution.

**Fair Share for Demands** lets you *partially fulfill independent demands* in a fairly manner in case of supply shortage.

**Fair Share for Inventory** lets you evenly distribute inventory in your supply chain network to *partially fulfill safety stock and maximum stock levels*. In case, all maximum stock levels are exceeded, excess stock is given in equal shares to stocking locations.

**Value Proposition**
- Optimal use of available supply in case of shortages
- Improved inventory levels in the entire supply chain network
- Especially beneficial in Deployment Optimization

**Capabilities**
- Switchable in the Planning Run Profile
- Fair share sets of demands are defined by demand prioritization
- Fair share sets of inventory levels are defined by priority segmentation of location materials
Switchable Constraints

Motivation

Constraints are defining the limitations for order fullfillment. There can be multiple reasons why these limitations shall not be taken into account (e.g. constraints are not yet completely clear, current constraints can be overcome, phased implementation approach).

The following constraints are switchable (individually):

- Supplier Constraints
  - Max. Receipts / Requirements
  - Distribution Freeze Horizon
- Capacity Constraints
  - Lot Sizes
- Allocations
  - Planning Start
- Production Freeze Horizon
- Detailed Planning and Scheduling Horizon

The inactivation of a constraint type (e.g. supplier) will have the impact that none of the constraints of this type will be considered in any kind of planning run. The settings are located on a new tab in the Planning Run Profile.
Distinguish between fixed and unfixed supply elements

With IBP2008 in sample planning area SAP7 it is possible to view Fixed* and Unfixed planned supply elements in distinct key figures. Existing planned supply element key figures stay available – they are not removed.

Example:

Existing external key figure (planning level - location product):

<table>
<thead>
<tr>
<th>Key Figure</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODPLANNED</td>
<td>Production (Planned)</td>
<td>This key figure shows bucket sum of planned orders and planned orders firmed.</td>
</tr>
</tbody>
</table>

There are two new keyfigures added for the same supply elements to the sample planning area SAP7:

<table>
<thead>
<tr>
<th>Key Figure</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODPLANNEDFIXED</td>
<td>Production Fixed (Planned)</td>
<td>shows bucket sum of planned orders firmed ONLY.</td>
</tr>
<tr>
<td>PRODPLANNEDUNFIXED</td>
<td>Production Unfixed (Planned)</td>
<td>shows bucket sum of planned orders NOT firmed ONLY. (Calculated as PRODPLANNED – PRODPLANNEDFIXED)</td>
</tr>
</tbody>
</table>

*Definition: Firmed/fixed means externally fixed
Introduction to alternative units of measure in IBP order-based planning

Features and benefits

**Configuration**
- Benefit from the automated integration of alternative units in IBP via SAP HANA SDI
- Use units that are managed in the material master of your external system instead of creating and configuring alternative units of measure in IBP for order-based planning
- Enable unit conversion easily for key figures you have added to your OBP planning area

**Use**
- Display the alternative units of measure that are maintained for materials in a detailed view that has been added to the View Materials Fiori app
- Select the unit(s) of measure of your choice to display key figures in SAP Integrated Business Planning, Add-in for Microsoft Excel
- Modify conversion factors in a selected planning version directly in the add-in if planning with version-specific master data is enabled
Configuration for unit conversion

- SDI enables automated integration service for external master data, including alternative units of measure.
- To enable the integration of alternative units of measure for order-based planning, you must use version 2005.0.0_FULL or higher of the OpenAPI.
Sample planning area SAP7 copy with additional demand attribute(s)

Enhance the customer dimension of the SAP7 sample planning area. Specify one or two master data types for external data sources for additional demand attributes, for example, CUSTID, when copying the SAP7 sample planning area.

Configuration steps are now performed automatically when you copy the attributes. Note that you still need to add these attributes manually to the relevant profiles / levels (e.g. copy operator profile, OBP planning level).
Job templates - Order-based planning: Planning Runs

Choose Planning Algorithm
(Constrained Forecast Run, Deployment Run)

Create Job Template that can run from IBP Excel AddIn
(Constrained Forecast Run, Confirmation Run, Deployment Run)
Copy Operator (Advanced)
Rainer Moritz
Copy Operator (Advanced) Enhanced Time Selection

You can now adjust the time selection in the SAP IBP, add-in for Microsoft Excel or the Application Jobs app when scheduling a Copy Operator (Advanced) with multiple time profile levels:

- **From:** 2016-07-09 to 2020-12-31: Day, Rolling, 1637 Days
- **From:** 2016 TW19 to 2021 TW01a: Week (technical), Rolling, 291 Periods
- **From:** 2015 CW28 to 2020 CW53: Week, Rolling, 234 Periods
Copy Operator (Advanced)
Flexible Time Selection Level

New option “Rolling with Flexible Selection Level” for time selection. If necessary, you can now specify a time selection on a time profile level that differs from the copy level.

➢ Using the Selection Level you can specify a time interval on a time profile level that differs from the copy level.

You can, for example, copy values in technical weeks and select the time interval in calendar weeks...
Copy Operator (Advanced)
Consideration of Key Figure Conversions

You can now specify whether you want the system to consider key figure conversions.

- You can control if the system considers key figure conversions.
- In most cases, the field is automatically set by the system and cannot be changed by the user.
- You can edit the field, if...
  - the source key figure has no conversion and
  - the target key figure has a conversion and
  - no disaggregation is required for the key figure values and
  - no unit is defined in the attribute selection of the profile.
Copy Operator (Advanced)
Usability Enhancements in Copy Operator Profiles app

When copying values between two planning areas, it is now possible to use attributes from the source or the target planning area in selections:
SAP Best Practices for SAP IBP – 2008 Update
Ina Glaes
New scope and changes SAP Best Practices for SAP IBP
V20.2008 Highlights

Sample Planning Areas

- The SAPIBP1 sample planning area now offers prepopulated #hashtags for key figures for easier selecting and sorting. SAPIBP1 has been further simplified by introducing a new modeling functionality for weighted average.
- The SAP7 sample planning area now contains charts, dashboards, and alerts as an integral part. You can copy these sample analytics and alerts automatically to reduce the manual configuration effort for the Best Practices processes.

Deployment optimization

- The new IBP for response and supply – deployment planning – optimizer scope item describes how to create a reliable short-term deployment plan optimized on costs for supply alternatives and demands.
- The new IBP – order-based planning inbound integration for deployment planning scope item describes how to run the integration of master data and key figures from SAP S/4HANA to the SAP IBP system as a prerequisite for the scope item IBP for response and supply – deployment planning – optimizer.

Transparency/Insights

- The IBP for inventory scope item has been enhanced with network echelon level information to help you better understand the results of the Multi-Stage Inventory Optimization run, and with updated charts.
- The IBP – Business Network Collaboration – supplier commit with SAP Ariba and the IBP for response and supply – response planning scope items have been enhanced with the Intelligent Visibility app to allow business users to react quickly to supply chain issues.
SAP Best Practices for SAP Integrated Business Planning for Supply Chain

Where to get it

http://help.sap.com/ibp

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

Download the following assets:

- Test scripts
- Process flow charts
- Scope item recordings
- Configuration guides
- Excel planning view templates
- Sample data CSV files
- …
End User Enablement

Ina Glaes
Customer-specific user assistance and learning in the SAP Fiori apps

SAP IBP supports the extended content scenario of the SAP Enable Now Web Assistant.

This means:
- You can edit the context-sensitive in-app help delivered by SAP and adapt it to your needs.
- In addition, you can include own content.

To use this feature, the following is required:
- You need to create a communication arrangement based on the communication scenario SAP_COM_0011 (which has been enabled for this purpose in SAP IBP 2008).
- You need an SAP Enable Now instance, to edit and store the user-defined content on the SAP Enable Now Manager.

For more information, see SAP Enable Now Web Assistant Integration. The specifics for SAP IBP can be found in the section Set Up of Web Assistant for SAP S/4HANA Cloud and Similar Systems.
Fiori 3 Launchpad
Mihaly Ducz
Fiori Launchpad Design Changes – Fiori 3 Pages/Spaces

- With the ever-increasing number of Fiori applications and the growing size roles, the current Launchpad design is updated as the usability had to be improved.
- Instead of having everything right away available upon loading, the goal is to offer more focused experience tailored to the end users based on their roles.
- This new feature is called Pages/Spaces. Spaces can be set up and multiple Pages defined within, then assigned for any exiting roles. Furthermore, you can create new Pages/Spaces even during a creation of a new role, no need to stick to default templates.
- The feature is completely optional to use and set up, and will remain so for the next few releases, however SAP’s strategy regarding the Launchpad will mandate this new behavior and default to it at one point in the future, sometimes next year.
- IBP will deliver default templates for different roles templates (for example Demand Planner, Inventory Planner, etc.) that can be used as a starting points, but it is possible to create and maintain your own right away.
- Initial delivery has a restriction, as transportability between systems is not supported, this will be added in a future release.
Fiori Launchpad Design Changes – Fiori 3 Pages/Spaces

The goal is to move away from having everything right away upon loading displayed, without much of an order.

To a more focused, user-oriented display. Each page created can be aimed at certain area or goal.

Here you can see few examples of our default pages, which we deliver for the Role Templates.
**Fiori Launchpad Design Changes – Fiori 3 Pages/Space**

- Since the feature is optional, and it is not available by default, it must be enabled so users can access it. This can be done any time, but our advice would be to do so after the initial few Pages and Spaces have been defined and assigned, so there is something to use and see.

- Additionally, instead of using the delivered Pages that are coming from Role Templates, you can create your own setup and assign it to already existing roles or ones being made newly.

- To do so, the following three new Applications will be available in your launchpad, to maintain the feature’s availability and to create new entries beyond the defaults.

![User Interface Configuration](image)

- After the Feature is enabled in the Manage Launchpad Settings application, each user themselves will be able to choose, whether they wish to use the new feature or not.
Manage User Permissions

Unmesh Gandhi
Manage User Permissions

New Features:

- Copy user permissions
- Assign / Unassign business role
- Assign / Unassign user group
- Assign / Unassign attribute permission
- Assign / Unassign permission filter

Customer Influence Requests:

- Customer Influence 214644 (14 votes)
- Customer Influence 228788 (9 votes)
Manage User Permissions

![User Permissions Screen](image)

### Example Configuration Expert (IBP)

- **User: CB999000000236**
- **Status: Offline**
- **Last Login:** 07/16/2020, 09:52

#### User Information
- **Role:** SAP_BR_CONFIG_EXPERT_IBP
- **Description:** Configuration Expert (IBP)
- **Changed By:** SAP IBP System
- **Changed On:** 07/16/2020, 09:52
- **Unrestricted Permission:** Yes

---

### Select Business Role

- **Business Roles:**
  - SAP_BR_IB
  - SAP_BR_SC_ANALYST_IBP
  - SAP_BR_SUPPLY_PLANNER_IBP
  - SAP_BR_SUPPLY_PLANNER_BUS_IBP

- **Description:**
  - Supply Chain Analyst (IBP)
  - Supply Planner (IBP)
  - Supply Planner - Business Partner (IBP)
As a business user, you can use the **My Permissions** app to view your access rights.

This app shows following details:

- User Information
- Business Roles
- User Groups
- Permission Filters
- Attribute Permissions
- Key Figure and Master Data Attribute results

**Business Catalog: SAP_IBP_BC_OWNPERM_PC**
Monitor Application Job

Unmesh Gandhi
Monitor Application Jobs

- A new ‘Monitor Application Jobs’ app provides an overview on application jobs in the SAP IBP System.
- IBP users can use this app to track application jobs in real-time and take the necessary actions in case of failures or scheduling delays.
- New App will display all jobs in a Gantt chart. This graphical visualization will help in job monitoring and identifying job dependencies. This app will be useful in optimizing the job scheduling process.
Monitor Application Jobs

Key Features

- User friendly Gantt view displaying all IBP Jobs
- List view for detail job analysis
- Real-time monitoring to track application jobs
- Memory and CPU consumption details for each job
- Visibility on job/job chain dependency
- System load information
  - CPU
  - Memory
  - Users
Monitor Application Jobs

<table>
<thead>
<tr>
<th>Job Description</th>
<th>Status</th>
<th>Start</th>
<th>End</th>
<th>Planned Start</th>
<th>Duration</th>
<th>Completion</th>
<th>Periodicity</th>
<th>User Name</th>
<th>Job Template Description</th>
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</thead>
<tbody>
<tr>
<td>Copy Operator Templ...</td>
<td>Finished</td>
<td>2020/07/14 14:09:07</td>
<td>2020/07/14 14:22:00</td>
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<td>00:03:53</td>
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<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Copy Operator Template Ex...</td>
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<tr>
<td>Copy and S&amp;OP Job 1...</td>
<td>Cancelled</td>
<td>2020/07/14 14:25:57</td>
<td>2020/07/14 14:28:37</td>
<td>2020/07/14 14:25:56</td>
<td>00:00:31</td>
<td>02</td>
<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Copy and S&amp;OP Job templ...</td>
</tr>
<tr>
<td>Copy and S&amp;OP Job 1...</td>
<td>Failed</td>
<td>2020/07/14 14:27:56</td>
<td>2020/07/14 14:28:37</td>
<td>2020/07/14 14:27:56</td>
<td>00:00:41</td>
<td>02</td>
<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Copy and S&amp;OP Job templ...</td>
</tr>
<tr>
<td>Copy Operator</td>
<td>Failed</td>
<td>2020/07/14 14:27:56</td>
<td>2020/07/14 14:28:37</td>
<td>2020/07/14 14:27:56</td>
<td>00:00:41</td>
<td>02</td>
<td>Daily</td>
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<td>Copy and S&amp;OP Job templ...</td>
</tr>
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<td>S&amp;OP Operator</td>
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<td>2020/07/14 14:27:56</td>
<td>00:00:00</td>
<td>02</td>
<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Copy and S&amp;OP Job templ...</td>
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<tr>
<td>Forecast, Inventory Optimization</td>
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<td>2020/07/14 14:33:39</td>
<td>2020/07/14 14:32:39</td>
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<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Forecast, Inventory Optimiz...</td>
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<td>Daily</td>
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<td>2020/07/14 14:34:50</td>
<td>00:03:08</td>
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<td>Daily</td>
<td>Example Supply Planner (BP)</td>
<td>Forecast, Inventory Optimiz...</td>
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<td>Inventory Optimization</td>
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<td>Example Supply Planner (BP)</td>
<td>Forecast, Inventory Optimiz...</td>
</tr>
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<td>Copy Operator Templ...</td>
<td>Finished</td>
<td>2020/07/14 14:41:47</td>
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<td>2020/07/14 14:41:47</td>
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<td>02</td>
<td>Daily</td>
<td>Example Demand Planner (BP)</td>
<td>Copy Operator Template Ex...</td>
</tr>
<tr>
<td>Scheduled Copy Oper...</td>
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<td>2020/07/14 14:43:24</td>
<td>2020/07/14 14:43:19</td>
<td>00:00:05</td>
<td>02</td>
<td>Weekly</td>
<td>Example Demand Planner (BP)</td>
<td>Copy Operator Template Ex...</td>
</tr>
<tr>
<td>Scheduled Copy and S...</td>
<td>Finished</td>
<td>2020/07/14 15:00:38</td>
<td>2020/07/14 15:11:14</td>
<td>2020/07/14 15:00:28</td>
<td>00:01:36</td>
<td>02</td>
<td>Daily</td>
<td>Example Demand Planner (BP)</td>
<td>Copy and S&amp;OP Job templ...</td>
</tr>
</tbody>
</table>
Compare Planning Areas Application

Balázs Buday
Compare Planning Areas App

- Comparison of two (sample/customer) planning areas
- Easier adoption of enhancements from the latest SAP sample
- More control over content when transporting new PA enhancements
- Quick overview of key differences:
  - PA-Attributes
  - Planning Levels
  - Key Figures
- Filtering for differences only and/or extra objects

Customer Influence Requests:
- Tracking changes made in Planning area and version control
- Easier comparison of configuration between planning areas and systems
- Customers’ PAs desynchronized over time from SAP templates, missing quarterly upgrades and fixes
New Simplified Key Figure Calculations

Gabor Mittweg
Weighted Average

\[
\text{WEIGHTEDPRICESIMPICALCONPL} @ \text{MTHPRODLOC} = \text{IBP\_WEIGHTED\_AVG} (\"\text{STOREDPRICE} @ \text{MTHPRODLOC}\", \"\text{ACTUAL\_SOTY} @ \text{MTHPRODLOC}\", \"\text{CALCULATED\_NUMERATOR}\")
\]
Weighted average

Sample Average
\[ \bar{x} = \frac{\sum x}{n} \]

Weighted Average
\[ \bar{x} = \frac{\sum_{i=1}^{n} w_i x_i}{\sum_{i=1}^{n} w_i} \]

Where:
- $\bar{x}$ is the average value
- $x$ is the actual value
- $n$ is the number of periods in the weighting group
- $w$ is the weighting factor

Numerator
Denominator
Weighted average function

IBP_WEIGHTEDAVG(
  "Numerator KEY FIGURE@PLANLEVEL",
  "Denominator weight KEY FIGURE@PLANLEVEL",
  "STOREDNUMERATOR / CALCULATEDNUMERATOR")

- The first parameter is always the input key figure at the input planning level.
- The second parameter is the denominator of the calculation.
- The third parameter defines whether the numerator is stored or calculated.
  - CALCULATEDNUMERATOR – The numerator is calculated; it is the sum of the first parameter multiplied by the second parameter.
  - STOREDNUMERATOR – The numerator is not calculated; it is simply the sum of the first parameter. In this case, the numerator’s value already includes a multiplication by the weight.

Further details in the Model Configuration Guide >> Key Figure Calculations >> Simplified Key Figure Calculations >> Weighted Average
Calculation chain before and after using the simplified key figure calculation
### Weighted average with key figure - Numerator is calculated

Weighted average on Location level: \[(50 \times 100) + (100 \times 200) / (50 + 100) = 166.6667\]

<table>
<thead>
<tr>
<th>PRID1</th>
<th>LOCID1</th>
<th>Actuals Qty</th>
<th>Stored Price</th>
<th>Weighted Price using Stored Price as input</th>
<th>Actuals Qty</th>
<th>Stored Price</th>
<th>Weighted Price using Stored Price as input</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>100</td>
<td>0</td>
</tr>
<tr>
<td>PRID2</td>
<td>LOCID1</td>
<td>Actuals Qty</td>
<td>Stored Price</td>
<td>Weighted Price using Stored Price as input</td>
<td>Actuals Qty</td>
<td>Stored Price</td>
<td>Weighted Price using Stored Price as input</td>
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<td>LOCID2</td>
<td>Actuals Qty</td>
<td>Stored Price</td>
<td>Weighted Price using Stored Price as input</td>
<td>Actuals Qty</td>
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</tbody>
</table>

### Location level (aggregated)

<table>
<thead>
<tr>
<th>LOCID1</th>
<th>Actuals Qty</th>
<th>Stored Price</th>
<th>Weighted Price using Stored Price as input</th>
</tr>
</thead>
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<tr>
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<td>166.6667</td>
<td>166.6667</td>
</tr>
</tbody>
</table>

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Weighted average with key figure - Numerator is stored

Weighted average on Location level: \( (5000 \times 1) + (20000 \times 1) / (50 + 100) = 166.667 \)

<table>
<thead>
<tr>
<th>Product-Location level</th>
<th>PRDID1</th>
<th>LOCID2</th>
<th>Actuals Qty</th>
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<tbody>
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Location level (aggregated)

<table>
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<tr>
<td>Weighted Price using Stored Revenue as input</td>
<td>166,666.67</td>
<td>166,666.67</td>
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<tr>
<td>LOCID2 Actuals Qty</td>
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<td>150</td>
<td>150</td>
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<tr>
<td>Stored Revenue</td>
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</tr>
<tr>
<td>Weighted Price using Stored Revenue as input</td>
<td>200</td>
<td>166,666.67</td>
<td>166,666.67</td>
<td>166,666.67</td>
<td>166,666.67</td>
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<td>166,666.67</td>
<td>166,666.67</td>
<td>166,666.67</td>
</tr>
<tr>
<td>LOCID3 Actuals Qty</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
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<td>150</td>
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<td>20000</td>
<td>20000</td>
</tr>
<tr>
<td>Weighted Price using Stored Revenue as input</td>
<td>200</td>
<td>166,666.67</td>
<td>166,666.67</td>
<td>166,666.67</td>
<td>166,666.67</td>
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<td>166,666.67</td>
<td>166,666.67</td>
</tr>
</tbody>
</table>
Coverage Calculation

\[
\text{COVERAGENEXTDEFAULTPOSITIVECOVER} @ \text{MTHPROD} = \text{IBP_COVERAGE("DEMAND@MTHPROD", "PROJECTEDSTOCK@MTHPROD", "WORKDAYS@MTHPROD", "NEXTBUCKET", "IGNOREZEROSTOCK", "PASTCURRENTFUTURE")}
\]
Use the IBP_COVERAGE function to calculate how many days or weeks the calculated projected stock will last based on the planned demand.

\[
\text{DAYSOFsupply@PERPRODLOC} = \text{IBP\_COVERAGE("DEMAND@PERPRODLOC", "PROJECTEDSTOCK@PERPRODLOC", 1, "NEXTBUCKET", "USEZEROSTOCK", "PASTCURRENTFUTURE")}
\]

<table>
<thead>
<tr>
<th>Current period</th>
<th>JUNE 1</th>
<th>JUNE 2</th>
<th>JUNE 3</th>
<th>JUNE 4</th>
<th>JUNE 5</th>
<th>JUNE 6</th>
<th>JUNE 7</th>
<th>JUNE 8</th>
<th>JUNE 9</th>
<th>JUNE 10</th>
<th>JUNE 11</th>
<th>JUNE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demand</td>
<td>400</td>
<td>200</td>
<td>100</td>
<td>300</td>
<td>200</td>
<td>500</td>
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<td>Projected Stock</td>
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<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>500</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Days of Coverage</td>
<td>3</td>
<td>1.33</td>
<td>2</td>
<td>1.6</td>
<td>0.2</td>
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<td>1</td>
<td>0.66</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Further details in the Model Configuration Guide >> Key Figure Calculations >> Simplified Key Figure Calculations >> Coverage
Function Parameters

IBP_COVERAGE(
  “INPUTKFID_DEMAND@INPUTPLEVEL”,
  “INPUTKFID_PROJECTED_STOCK@INPUTPLEVEL”,
  “NUMBER_OF_WORKING_DAYS@INPUTPLEVEL”,
  “START_OF_COVERAGE”
  “ZERO_DEMAND_COVERAGE_BY_ZERO_STOCK”,
  “CALCULATION_HORIZON”,
  “FULL_HORIZON_COVERED”)

Defines the number of working days for the given time period.

Determines whether coverage calculation starts with the demand value of the current or next bucket.

You can define whether zero stock can cover zero demand or not in your coverage calculation.

PAST, PASTCURRENT, PASTCURRENTFUTURE, CURRENT, CURRENTFUTURE, and FUTURE

You can use this optional parameter to notify the planner that the projected stock of a time period is larger than the sum of the demands in all the subsequent periods in the planning horizon.
Where-Used Graph in the Key Figure Calculations App

Gabor Mittweg
Where-Used Graphs

Put into Focus and Load Where-Used Graph
Where-Used Graph Example

Key figure calculations can be represented in where-used graphs, which help you to get an overview of dependencies between calculations. A where-used graph displays all the calculations that use a specific calculation as a direct or indirect input.
Put the Calculation into Focus - Demo

You have three options to display the where-used graph of a calculation:

- On the **Calculation Graph** tab, select the node that contains the calculation you want to put in focus, and then choose the **Put into Focus and Load Where-Used Graph** button (储存)
- On the **Calculation Graph** tab, select the node that contains the calculation you want to put in focus and load the where-used graph for, and then go to the **Where-Used Graph** tab.
- On the **Where-Used Graph** tab, select the node that contains the calculation you want to put in focus, and then choose the **Put into Focus and Load Where-Used Graph** button (储存).

Further details in the Model Configuration Guide >> Monitoring and Troubleshooting >> Where-Used Graphs
Time Zone in Time Series

Harry Dietz
Time Zone in Time Series

Until IBP 2005: current period & planning horizon are calculated from current UTC time stamp compared to period information in time profile.

**New with IBP 2008:** time zone used for current time stamp can be influenced.

Time zone is **tenant specific** and set via global configuration – still UTC is the delivered default.

Outlook IBP 2011: business user specific time zones will allow organizational groups assigned to time zone.

**What does that mean?**

- After upgrade to 2008: no change in behavior!
- If you have period change during your working day, you can solve this issue by setting a corresponding time zone. Example: Palo Alto 6 p.m. is already a different day in UTC!
- Several processes now support to specify a time zone or even an artificial current date & time when run!
Miscellaneous
Anna Linden
Transports between systems – Further Information

System administrators should note that transports will only work between systems on identical IBP Release and HFC (Hot Fix Collection)

The information below applies to customers following the standard release upgrade schedule:

1) Transports are not possible in the period between Test (Weekend 1) and Production tenant upgrade (Weekend 3).

2) On Weekend 3, customers should wait before releasing any transports from the Test to Production tenant until the Contract Maintenance Period (CMP) on this weekend is over.

Explanation for 2): On Weekend 3 the Production tenant will be upgraded which includes the newest Hot Fix Collection (example: HFC03). The Test tenant at this time will still be on the previous HFC (example: HFC02) until it receives the newest HFC (example: HFC03) during CMP.
Customer Influence Program Update

Anna Linden
SAP Continuous Influence Model – What it Is

**IN A NUTSHELL**

Open & transparent **crowd-sourcing approach** for customers & partners to submit and vote on improvement requests, hereby influencing the roadmap

---

**BASICS**

- Enable Cloud customers & partners to submit improvement requests and to vote on requests
- Requests must meet a **minimum voting threshold to be considered for review**
- Requests which reach voting threshold **are evaluated**
- Crowd approach - **open, transparent and accessible to all customers and partners** (requires S-User)
- **UPDATE:** CPI-DS project merging with IBP, blog to come soon
Overall Statistics for IBP Customer Influence

- **Launched** in May 2017
- 90,000+ Visitors to the IBP Influence Project
- 8,000+ Votes cast by 1,000 users
- 1,000 Improvements Requests Submitted

- 300 Improvement Requests with >= 10 Votes
- 91 Improvement Requests planned for Delivery
- 150+ Delivered Enhancements as of IBP 2005
Thank you.

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IBP Customer Office: john.lopus@sap.com

Today’s Presenters from Product Management:
• alexis.lozada@sap.com – Inventory Optimization
• anna.linden@sap.com – IBP Excel Add-In
• atul.bhandari01@sap.com – Demand Driven MRP (DDMRP)
• balazs.buday@sap.com - Model Configuration / Multi-Language
• claus.bosch@sap.com – Order-based Planning
• gabor.mittweg@sap.com - Key Figure Calculations app
• ina.glaes@sap.com - IBP Best Practices
• kenton.harman@sap.com – Intelligent Visibility, Alerts, Analytics, and Dashboards
• mehmet.demirci@sap.com – Demand Sensing
• mihaly.ducz@sap.com – Fiori 3 Launchpad
• pramod.mane@sap.com – Time-series based Supply Planning & Web-based Planning UI
• raghav.jandhyala@sap.com - Sales & Operations Planning / Driver-based Planning UI
• rainer.moritz@sap.com – Demand Planning
• ralf.heimburger@sap.com – Web-based Planning UI
• thomas.fiebig@sap.com – Order-based Planning
• unmesh.vidhyadhar.gandhi@sap.com – Manage User Permissions app & Monitor Application Jobs app