What’s New in SAP Integrated Business Planning 1905 (Planned)

SAP Product & Solution Management
April 30, 2019
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Sneak Preview

Since Q4/2018, the what’s new webinar as well as the application help are planned to be available 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.”

help.sap.com/ibp

What’s New

What’s New in SAP Integrated Business Planning 1902?
Detailed overview of new and changed features, including links to more information in the application help and guides.

Upcoming and Recorded Events and Webinars
Find the recording and the slides for the What’s New Webinar for 1902 in January, 2019, plus a vast list of upcoming and recorded Webinars with our experts.

What’s New for Previous Releases?
Get an overview of new features provided with earlier releases.

Sneak Preview
Explore what is planned for release 1905, which is scheduled for May 7, 2019.

This is the current state of planning and may be changed by SAP at any time.
Agenda

- Solution Updates - SAP Integrated Business Planning 1905 (Planned)
- SAP Best Practices for SAP IBP – 1905 Update (Planned)
- Documentation Updates
- Customer Availability Center & Customer Influence Center
- Information on Upgrades
- Q&A*

* Q&A chat is open for questions throughout the session with experts online to answer
Plan and respond with SAP Integrated Business Planning

- What-if Scenario Planning
- Microsoft Excel Planning interface
- Real-time Analytics
- Flexible Process Modelling
- Social Collaboration

Supply Chain Control Tower

- Sales & Operations
  - Statistical Forecasting
  - Product Lifecycle Planning
  - Demand Sensing
  - Forecast Automation*
- Demand
  - Driver-based Planning
    (Risks and Assumptions)
  - Integrated Sales, Marketing &
    Financial Planning
- Inventory
  - Business Network Collaboration
    with SAP Ariba
  - Vendor managed
    Inventory (VMI)*
  - Pre-packaged KPI
  - Demand-driven MRP
- Response & Supply
  - Supplier Collaboration*
  - Network Visualisation
  - Root cause analysis
  - Multi-stage Inventory Optimization
  - Forecast Error Calculation
  - Deployment
  - Response Planning
  - Pegging

Integration | Extensibility | Cloud | Machine Learning
19 industries | 500+ customer | 60+ partners | 10 data center | Gartner MQ - Leader

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* Roadmap Topic (Planned)
SAP Best Practices for SAP IBP – 1905 Update
Ina Glaes
New scope and changes in V15.1905

- Technical upgrade to SAP Integrated Business Planning 1905
- The **IBP – time-series-based inbound integration with SAP S/4HANA** scope item has been enhanced with the new master data types Location Source, Customer Source, Target UoM, and UoM Conversion Factor, and with the key figure Capacity Supply
- The **IBP for sales and operations - demand review** scope item has been enhanced with a planning view using the Web-Based Planning app for the sales manager
- The New Product Introduction process in **IBP for sales and operations** scope items has been simplified using realignment functions
- Process Management in **IBP for sales and operations** scope items has been enhanced with recurring processes
- The **IBP for response and supply – supply review – optimizer** scope item has been enhanced with an example to illustrate features such as aggregated constraints, late delivery, and fair share distribution
- The **Gradient Boosting** machine learning algorithm is now available in unified planning area SAPIBP1 for regression and classification problems
- The forecast error calculation scope items have been updated by using multi-lag forecasting key figures
SAP Best Practices for SAP Integrated Business Planning

Where to get it

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

Download the following assets:

- Detailed SAPIBP1 presentation
- Test scripts
- Process flow diagrams
- Scope item recordings
- Configuration guides
- Excel planning view templates
- Sample data CSV files

Detailed SAPIBP1 presentation

**Agenda**
- SAPIBP1: What's new in 1902
- SAPIBP1: General Remarks
- SAPIBP1: Key Figure Overview
- SAPIBP1: Master Data Type Overview
- SAPIBP1: Planning Level Overview
- SAPIBP1: General Planning Attributes
- SAPIBP1: Changes in earlier IBPs

**Changes related to Forecast Error Calculation (1/4)**
SAPIBP1 has the following example modelling related to forecast accuracy calculation:

**Changes related to Alignment with SAP4 (2/3)**
- Add MDT to planning area SAPIBP1
- Add IBPPRODUCTIONSOURCEITMR to planning area SAPIBP1,
  - Add attribute IBPPRODUCTIONSOURCEITMR - COMPONENTCOEFFICIENTTS as mandatory attribute to planning area.
- Add attribute to planning area
  - Add attribute MATTRSOURCEPRODUCTION as mandatory attributes to the planning area.
- Changed planning levels:
  - WKPRODLOCOMPSRC: add attribute IBPPRODUCTIONSOURCEITMR – COMPONENTCOEFFICIENTTS
  - WKPRODLOCOMPSRCUOMTO: add attribute IBPPRODUCTIONSOURCEITMR – COMPONENTCOEFFICIENTTS
  - WKPRODLOCLOCFR: add attribute IBPSOURCELOCATION – MATTRSOURCELOCATION
  - WKPRODLOCLOCFRUOMTO: add attribute IBPSOURCELOCATION – MATTRSOURCELOCATION
  - WKPRODLOCLOCFRCCURR: add attribute IBPSOURCELOCATION – MATTRSOURCELOCATION
  - WKPRODLOCLOCFRCCURRTO: add attribute IBPSOURCELOCATION – MATTRSOURCELOCATION
  - DADVPRODLOCLOCFR: add attribute IBPSOURCELOCATION – MATTRSOURCELOCATION
  - WKPRODLOCSRC: add attribute IBPSOURCEPRODUCTION – MATTRSOURCEPRODUCTION
  - WKPRODLOCSRCUOMTO: add attribute IBPSOURCEPRODUCTION – MATTRSOURCEPRODUCTION

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IBP Excel Add-In 1905.2.0
Anna Linden
Time Zone for Planning Notes
Usability Enhancement

The planning notes are now also respecting the time zone setting from the user settings and can show the “Changed At” date and time in the user’s default display time. On the Details of Planning Notes window, the user can also switch between the UTC time and his default display time.

Switch here does not have affect on how time is displayed on PV
Separate planning level for planning note visualization

Business Process

When enabling a key figure for planning notes, the base planning level of the key figure is used also for the aggregation, disaggregation and storage of the respective planning notes.

To finetune the visualization of the planning notes for the business user, we have added an additional setting in the key figure configuration where the administrator can set a different planning level for the planning note than the base planning level of the key figure.

**Please Note:** The storage level of the planning notes is independent from the new alternative planning level of the planning notes, which is only used for visualization purposes. So once you switch to a different planning level for the planning notes, existing planning notes would remain intact and only their visualization on the planning views would change.
Once a key figure is enabled for planning notes, also a different planning level for planning notes can be set.

The planning level determines the planning note visibility for the business users and as such can improve system performance on the Excel UI side as the rendering time of the comments on the UI is reduced due to less planning notes.
## Separate planning level for planning note visualization

### Behavior of the planning notes visualization in the planning views (1)

You need to select a subset of the attributes used on the base planning level of the key figure for the alternative base planning level of the planning note.

<table>
<thead>
<tr>
<th>Base Planning Level of the Key Figure</th>
<th>Separate Planning Level of Planning Note</th>
<th>Result during Activation</th>
<th>Explanation and visualization on the planning view</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Product</td>
<td>Customer</td>
<td>Week (all attributes selected from these master data types)</td>
</tr>
<tr>
<td>Product</td>
<td>Week (all attributes selected from this master data type)</td>
<td>Product Group</td>
<td>Week</td>
</tr>
<tr>
<td>Product</td>
<td>Week (all attributes selected from this master data type)</td>
<td>Product ID</td>
<td>Week</td>
</tr>
<tr>
<td>Location</td>
<td>Product</td>
<td>Customer</td>
<td>Daily (all attributes selected from this master data type)</td>
</tr>
<tr>
<td>Location</td>
<td>Customer</td>
<td>Week</td>
<td>Location</td>
</tr>
</tbody>
</table>
Separate planning level for planning note visualization
Behavior of the planning notes visualization in the planning views (2)

In order to inform the user that he is facing a restricted visualization, an information is shown when a planning view is opened that contains attributes that are not part of the planning note planning level:

Information box comes up in cases where all attributes are included in the planning note planning level, but the planning view contains **time levels** that are not included.

Information box comes up in cases where certain **attributes** are not included in the planning note planning level.
Stepwise raise of the minimum IBP Excel Add-In Version in May 2019 and November 2019!

Stepwise update and subsequent phase-out of older versions of the underlying protocols and authenticating standards for SAP Integrated Business Planning. This also affects the IBP Excel add-in.

- **End of May 2019 (IBP release independent!),** the 1711.2.0 version of the IBP Excel add-in will be the lowest possible version that users can use to log on to IBP.
- **With IBP 1911,** we will raise this lowest version allowed once again - to the 1808.2.0 version of the IBP Excel add-in.

It is always recommended to upgrade to the latest version of the IBP Excel add-in.

All IBP customers have received detailed information and action items in a separate email in February 2019.
Analytics and Exception Management
Kenton Harman
**Color picker on Charts**

- You can use a new color picker to select a color for your key figures.
- This allows you to use a wider range of colors for your analytic charts.
- There are 15 predetermined colors you can use or any RGBA combination.
**Time selection**

- Time selection has been replaced by a new flexible and usable control
- You have a choice of day range, multiple days, previous $n$ days and next $n$ days
- You can use the calendar or the period list to select the dates
Thresholds

- You can now define thresholds and associate a color to highlight the data. Use the color picker to customize your color.
- For example, the color in green any value of KF1 between 500K and 700K, in yellow anything between 100K and 500K, in red when KF1 is below 100K
- This feature is available only for choropleth and geo bubble chart types
- Overlapping intervals are not supported
Multiple key figure filters

You can filter data on a chart by using the multiple key figure values feature

Allows you to find information that is most relevant for you

For example, show data only when Consensus Demand > 100000 and Marketing Forecast > 20000
Display shared users and user groups in dashboard list

Shared users and user groups are displayed in the dashboard list.

The details of each user is displayed in an info pop-up.
Planning filters usage on Charts

- You define “planning filters” in the Planning Filters app or in the Excel UI.
- You can include or exclude values for your attributes.
- You can reuse the Planning filter in the analytics to view a subset of the data.
- The ad-hoc filter and Planning filter are combined to determine the data shown.
Planning filters usage on Dashboards

Similarly, you can re-use the Planning Filter on the Dashboard.
Planning filters usage in Custom Alerts

You define planning filters in the Planning Filters app.

You can include or exclude values for your attributes.

You can reuse the Planning Filter in the Alert Subscription.

The ad-hoc filter and Planning Filter are combined to determine the data shown.
Alerts on multiple version/scenarios

Problem statement
Previously, when a new scenario was added, the Alert Definition had to be modified to include it for alert determination

Solution
It is now possible to determine alerts for a specific scenario or all scenarios without changing the alert definition
Alerts on multiple version/scenarios

- You define alerts based on multiple predefined versions/scenarios.

- If you do not specify any version/scenario, all versions/scenarios that are available in the system will be considered when calculating the alerts.
The version/scenario in Monitor Custom Alerts

The Monitor Custom Alerts app includes the version/scenario of each alert. You can use the filters to focus on a specific version/scenario.
The version/scenarios in the dashboard

When you add an alert overview to the dashboard, the graph will group the alerts by version/scenario. This will allow you to compare alerts between different versions on a dashboard.
Sales & Operations Planning
Raghav Jandhyala
Driver-Based Planning captures business events with their qualitative and quantitative information to drive supply chain plans. Examples of Business Drivers include:

Risks and Opportunities are granular events with impact on business. Risks are Business Downsides or Vulnerabilities; Opportunities are Upsides or Chances.

Assumption is a baseline driver for capturing the business activity e.g. Market Assumptions, Competitor Assumption, Growth Assumption, etc.
Driver-Based Planning for Risks and Opportunities Management

- Risks are downsides / vulnerabilities and Opportunities are upsides / chances that need to be considered in the planning process.
- R&Os can be defined at **multiple planning hierarchy** levels
- Capture Risks and Opps and add to plan R&O that are budgeted and highly probable

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Event Name</th>
<th>Assumption Category</th>
<th>Time</th>
<th>Hierarchy Level</th>
<th>Impact Revenue</th>
<th>Probability</th>
<th>Budgeted</th>
<th>Status</th>
<th>Include in Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk</td>
<td>Decling shelf business for Brand X across all US stores</td>
<td>Market Share</td>
<td>Jan 19 – May 19</td>
<td>Brand X</td>
<td>-20m</td>
<td>80%</td>
<td>Yes</td>
<td>Approved for Evaluation</td>
<td>Y</td>
</tr>
<tr>
<td>Opportunity</td>
<td>Small scale competition in ASIA to handle demand for Y lineup, surge in Demand 18%</td>
<td>Competition</td>
<td>Apr 19-Dec 19</td>
<td>Category Y / Market X</td>
<td>500mi</td>
<td>20%</td>
<td>Yes</td>
<td>Early Phase</td>
<td></td>
</tr>
</tbody>
</table>

Risks are downsides / vulnerabilities and Opportunities are upsides / chances that need to be considered in the planning process.

**Risks**

- Decling shelf business for Brand X across all US stores: Market Share, Jan 19 – May 19, Brand X, -20m, 80%, Yes, Approved for Evaluation, Y

**Opportunities**

- Small scale competition in ASIA to handle demand for Y lineup, surge in Demand 18%: Competition, Apr 19-Dec 19, Category Y / Market X, 500mi, 20%, Yes, Early Phase
Driver-Based Planning

Manage creation and maintenance of Business Drivers e.g. Assumptions, Risks and Opportunities, Events, etc.

Flexible modeling of Driver Types as Master Data Types.
Driver-Based Planning - Summary Views

- Summary View shows each Driver in single row aggregated across Time Range and Combinations
- Create and maintain individual Drivers
- Include Drivers into Plan
- Maintain Driver Impact Key Figure values in the grid
**Driver-Based Planning - Detail View**

- Driver Details – View and edit Drivers in planning grid for each time period and planning combination. e.g. Opp 102 is across 3 combinations and 3 time periods
- Distribute values by time periods and planning combinations.
Maintain Driver

- Create a Business Driver in one go.
  - Enables combined creation of master data, planning combinations and key figure value disaggregation for time range for a Business Driver.
- Create Drivers at multiple planning hierarchy levels
- Create a Driver for multiple attribute value combinations across a time range

**Example:** Opp 102 is a Business Opportunity of increasing Market Share for Product Family HEADPHONES for all Customer Region from Mar to Aug 2019 with impact of 10,000 units.
Driver-Based Planning – Add to Plan

Review Drivers e.g. risks and opportunities and decide which drivers to be included in the plan

<table>
<thead>
<tr>
<th>Risk/Opp ID</th>
<th>Risk/Opp Descr</th>
<th>Assumption Cate</th>
<th>Budgeted Y/N</th>
<th>Include In Plan</th>
<th>Planning Cycle</th>
<th>Priority ID</th>
<th>Risk/Opp Type</th>
<th>Product Family</th>
<th>Cust Region</th>
<th>Key Figure</th>
<th>19-Mar</th>
<th>19-Apr</th>
<th>19-May</th>
<th>19-Jun</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Opp 101</td>
<td>Opportunity 101 Descr</td>
<td>Market Share</td>
<td>Y</td>
<td>1</td>
<td>March 2019</td>
<td>Medium</td>
<td>Opportunity</td>
<td>FAMILY 100-HEADPHONES</td>
<td>AMERICAS</td>
<td>RO Agg Sales Quantity</td>
<td>900.00</td>
<td>900.00</td>
<td>900.00</td>
</tr>
<tr>
<td>2</td>
<td>Risk 101</td>
<td>Risk 101 Descr</td>
<td>Competition</td>
<td>Y</td>
<td>1</td>
<td>March 2019</td>
<td>High</td>
<td>Risk</td>
<td>FAMILY 100-HEADPHONES</td>
<td>AMERICAS</td>
<td>RO Agg Sales Quantity</td>
<td>-300.00</td>
<td>-300.00</td>
<td>-300.00</td>
</tr>
</tbody>
</table>

View Impact of Drivers at a lower planning level.
e.g. Risk/Opp defined at Product Family / Cust Region level is distributed to Product / Customer level
Review Impact of selected Drivers to the final plan

e.g. Review the **Consensus Demand Plan Qty with RiskOpp** and compare with **Consensus Demand Plan Qty** and **AOP Qty**.
The selected Risks and Opps when included in the Consensus Plan closes the gap with the Financial Targets.
**Driver-Based Planning – Additional Information**

**Modeling:** Sample content for managing Risks and Opportunities is delivered in **SAPIBP1**

**Authorizations**

1. Assign SAP_IBP_BC_DBP_PC business catalog to view Driver-Based Planning Fiori Tile
2. Two Authorizations control Driver Planning Views and Driver maintenance
   - DPBVIEWS to create and maintain driver planning views
   - DPBOBJ to create and maintain drivers

**Restrictions and Specialties**

- Only stored key figures with equal disaggregation supported are allowed in a driver
- Time range for a Driver should be covered by a single time period in an higher time level
  - e.g. Month : April – Sept 2019 is covered by a Yearly time period 2019
- Other restrictions e.g.. Key Figure editability and Attribute Permissions are listed in help.
- Performance: Driver-Based Planning performs several operations: Master Data Maintenance, Planning Combinations, Time Series creation and Key Figure values disaggregation. The performance may be affected by the number of combinations created for a Driver.
Process Management - Tasks Notifications in Fiori

- Reminders for Automated Tasks from Process Management can be shown for a User as Notifications on the SAP Fiori Launchpad.

- The task reminders are sent to Users who have Open Tasks, n days (configured in process step) before the end date of the process step is approaching.
Shelf Life Visibility LCODE Deprecation in SAPIBP1 starting 1908

⚠️ Prepare next release

- As of release 1908, shelf life visibility L-code will no longer be available in the SAPIBP1 sample planning area.

- New customers from 1908 onwards can use the shelf life planning heuristic instead. For more information, see Time-Series-Based Shelf Life Planning Heuristic.

- For customers who are already using shelf life visibility L-code delivered in SAPIBP1, SAP will continue to support it but customer-specific L-code enhancements will no longer be supported.

- Customers can engage with SAP’s Max Attention for Shelf Life LCODE related services https://launchpad.support.sap.com/#/notes/2465513
Demand Planning
Rainer Moritz
Demand Planning Enhancements with IBP 1905

- Enhancements of Statistical Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
New Forecasting Algorithm: Auto-ARIMAX/SARIMAX

Auto-ARIMA with explanatory variables and its seasonal version: **Auto-ARIMAX/SARIMAX**

Additional input:
- Key figure(s) containing demand influencing data in historical and future time horizon
- Typical example: Weather information
Enhanced Forecasting Algorithm: Gradient Boosting of Decision Trees

**Periods with Outliers:**
- New system-generated “Feature” whether outliers were detected
- Information is used to calculate more exact ex-post forecasts and exclude outliers from future forecasts.
- Only available when using Preprocessing step with Outlier Correction and method “No Correction”

**Enhanced application log for Gradient Boosting:**
Information which independent variable was considered to which extend (value between 0 and 1)
Enhanced Forecasting Jobs: Parallel Execution

- Forecasting jobs are now executed in several packages of data in parallel.
- Positive effect on memory consumption & potentially improved job runtime.
- Switched on by default but can be disabled.
Enhanced Forecasting Jobs: Parallel Execution

- Forecasting jobs are now executed in several packages of data in parallel.
- Positive effect on memory consumption & potentially improved job runtime.
- Switched on by default but can be disabled
Enhancements in Forecast Model Assignment

CSV download available for assigned forecast models:
Enhancements in Forecast Model Assignment

Navigation from the “Assign Forecast Models” app to the Analysis Results screen of the “Manage Forecast Automation Profiles” app
Demand Planning Enhancements with IBP 1905

- Enhancements of Statistical Forecasting
- **Enhancements of Time Series Analysis**
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Enhancements of Time Series Analysis
Current period offset defined for the planning area is considered during time series analysis

New Planning Area Maintenance UI:

Old Planning Area Maintenance UI:
Enhancements of Time Series Analysis
Pie Chart for results of time series analysis
Enhancements of Time Series Analysis
Minimum Required Data Points

- New setting in the “Forecast Automation Profile”
- If the number of available data points is less than the number you specify, the affected planning objects will be labelled as “Insufficient data”
Enhancements of Time Series Analysis

Several improvements of the Time Series Analysis logic:

- Intermittency test is now run before the trend test to ensure that periods with zero sales are eliminated from intermittent timeseries.
- Items are now not classified as “Seasonal” if the seasonality cycle is only 2 periods long and the white noise test is positive.
- Items are now classified as “Irregular” only if the white noise test is positive and a very high Coefficient of Variation Squared (CV2) value is calculated (meaning that the timeseries is lumpy but not intermittent).
- For items containing trend or seasonality, two different CV2 values are calculated:
  - one on the original data (after leading nulls are removed and blanks are replaced with zeros)
  - one after trend and seasonality are removed from the data.

The smaller CV2 is then used for the lumpy test. This reduces the number of times an intermittent item that has seasonality or a trend is labelled as lumpy.
Demand Planning Enhancements with IBP 1905

- Enhancements of Statistical Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- Enhancements of Realignment
Enhancements of Product Lifecycle Management

Validity Dates for product assignments

Validity dates are useful if multiple reference products are sold in an overlapping way and you don't want their histories to be added up by the system.
Enhancements of Product Lifecycle Management
CSV Templates downloadable With or Without Data
Demand Planning Enhancements with IBP 1905

- Enhancements of Statistical Forecasting
- Enhancements of Time Series Analysis
- Enhancements of Product Lifecycle Management
- **Enhancements of Realignment**
Enhancements of Realignment

Execute realignment runs recurrently

**Recurring Execution**

- You can choose between different recurrence patterns, e.g. Daily, Weekly or Monthly.
- You do not need to change the realignment project status between executions.
- The system always executes the realignment project from the first step.

**For what can it be used:**

- The recurrent execution of realignment projects allows you to regularly adjust master data or key figure values as part of a business process.
- **Examples:**
  - regularly change master data type attributes that depend on other attributes
  - regularly copy key figure values between planning objects.
Enhancements of Realignment
Support of additional Use Cases

- Realign values of attributes that are not key in a master data type but root in planning levels
  - Attributes that are not key in a master data type but root in planning levels are a modeling approach that needs special consideration during realignment.
  - In the sample planning area SAPIBP1 for example, the attribute Product Family (PRDFAMILY) is a non-key attribute of the PRODUCT master data type and root attribute of several planning levels, such as ‘Monthly | Product Family | Customer Region’ (MTHPRODFMLCUSTRGN).
  - The adjustment of master data for such attributes during realignment must not delete values that are used as root attribute in planning levels.
  - Such attributes are supported by realignment if their master data and key figure values are adjusted in the same realignment step.

On the Manage Realignment Rules UI you can now select attribute values from version-specific master data:
Inventory Optimization
Alexis Lozada
Improved grid structure to handle hybrid nodes and rationalize customer-related nodes

- Rationalize number of Customer/Customer Group Nodes connecting to customer-facing nodes if Customer/Customer Group have same Product ID and Customer ID/Customer Group:
  - Key Figures with Base Planning Level Prod-Loc-Cust Group or Prod-Loc-Cust ID will render on heatmap at the arc instead of the node, e.g., Target Service Level, Statistical Forecast.
- Render hybrid nodes in a separate echelon for better consumption of rendered chart:
  - Definition of a hybrid node: a node sourcing an internal stocking or non-stocking node and a customer/customer group node.
Handle inventory target settings with time-varying binary sourcing

• If a node A, sourced from upstream node B, has time-varying binary sourcing ratios, recommended safety stock of the upstream node B can be equal to zero despite node B having propagated demand mean and propagated demand standard deviation calculated.
• Introduced Global Configuration Parameter to handle calculation of recommended safety stock output for the upstream node B:
  • Parameter Parameter Group: INVENTORY
  • Parameter Name: DEMAND_PROPAGATION_SRC_SWITCH
  • Parameter Value: No or Yes. No is the default value or setting is missing or if any other value than 0 or 1.
• Supported Planning Operator: Global (multi-stage) inventory optimization.
Demand-Driven MRP (DDMRP)
Poorya Farahani
SAP IBP for demand-driven replenishment
End to End Coverage of the Demand Driven MRP Process

DDMRP is an end-to-end closed loop process covering modelling (step 1-3), planning (step 4) and execution (step 5)

Source: Demand Driven Institute
SAP IBP for demand-driven replenishment

SAP8 is a new planning area that supports the complete coverage of the DDMRP concept.
SAP IBP for demand-driven replenishment

Step 0 – Calculate/update ADU for customer facing warehouses

Four forecast profiles are provided out of the box. Further profiles can be created when needed.

Forecast error app is used for calculation of ADU on customer facing warehouse.
SAP IBP for demand-driven replenishment

Step 1 – Identify strategic decoupling points for inventory positioning

Recommended Decoupling Points determine the strategic inventory positions as well as the required buffer sizes.

Calculate DDMRP buffer levels only recalculate buffer sizes for the given recommended points based on new input data (ADU, Lead time, MOQ, etc.)

Running the Recommend Decoupling Points operator will set the decoupling point according to multiple input factors.
SAP IBP for demand-driven replenishment

Step 1 (optional) – Review the position of decoupling points across the network for each product
SAP IBP for demand-driven replenishment

Optional step: Analyze the impact of changing some decoupling point decisions
SAP IBP for demand-driven replenishment
Recent enhancement

Buffer Positioning & Sizing
• Update Time Period Filter for Fiori “DDMRP Buffer Analysis” app
• This Fiori app now uses the standard time period filter for SAP Integrated Business Planning for easier selection of dates
• Propagate minimum order quantity (MOQ) at non-decoupling points to downstream decoupling points
  • When the MOQ at non-decoupling points is higher relative to demand, the excess inventory is typically pushed to downstream locations
  • The maximum of the propagated MOQ or its own MOQ is used at each decoupling point and reported as an output
SAP IBP for demand-driven replenishment

Recent enhancement

Deleting Scenarios in Fiori DDMRP Buffer Analysis App:

- Use the app to delete both existing and created scenarios, which will also be deleted in the Microsoft Excel user interface.
- Manage the volume of created scenarios, using the “Delete Scenario” button.
- Users can only delete her/his own created scenarios. Shared scenarios can only be deleted by scenario creator.
SAP IBP for demand-driven replenishment

Step 2 – Calculate buffer zones for selected decoupling points

System Calculated Buffer size
SAP IBP for demand-driven replenishment

Step 3 – Adjust buffer sizes dynamically and/or manually

Dynamic adjustment is supported via Demand Adjustment Factor

User time-dependent adjustments

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<th>Chart:</th>
<th>Series:</th>
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<th>Top of Yellow</th>
<th>Top of Green</th>
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SAP IBP for demand-driven replenishment
Recent enhancement: Step 4a – Generate prioritized replenishment proposals

Based on Net Flow Position = On-hand Inventory + Open supply – Qualified demand

Proposes Replenishments

\[
\text{Net flow position} = \begin{cases} 
0 & \text{if Net flow Position > ToY} \\
\text{Net flow position} - \text{ToG} & \text{Otherwise}
\end{cases}
\]

Defines priority for execution of the proposed replenishment
SAP IBP for demand-driven replenishment

Recent enhancement: Step 4b – Integrate to ECC via IBP Add-on and run the heuristic

- Provided data templates integrate replenishment proposals and buffer status (priority and color) to ECC via IBP Add-on for ECC integration.
- A DDMRP heuristic with a specific cockpit is provided as part of the IBP Add-on for ECC integration (EKT with the list of transactions will be provided)
- Replenishment proposals are converted to demand and supply order elements
SAP IBP for demand-driven replenishment

Recent enhancement: Step 4b – Integrate to ECC via IBP Add-on and run the heuristic

- New demand and supply order elements and updated on-hand inventories are integrated back to IBP via IBP Add-on for ECC integration.
- Net flow positions will be updated in IBP and new replenishment proposals will be generated according to DDMRP principle.
SAP IBP for demand-driven replenishment
Recent enhancement: Step 5 - On-hand status projection

### Execution Monitoring / Alerting:
when projected inventory goes deep in the red zone, the planner might start thinking of options to expedite existing supply orders
SAP IBP for demand-driven replenishment
Recent enhancement: Step 5 - Signal Integrity Status

Historical Analytics: planning view - when supply orders are generated according to DDMRP replenishment proposals, net-flow mainly moves between Green and Yellow zone. A net flow going often in the red-zone shows the signal that supply order generation deviates heavily from the DDMRP principles.
SAP IBP for demand-driven replenishment

Recent enhancement: Step 5 - Buffer Integrity Status

Historical Analytics: execution view - When buffers are maintained accurately, on-hand inventory stays in a stable boundary within the green and sometimes yellow zones.
Order-based Planning
Claus Bosch, Andrew Boyle, Michael Mack
Order-based planning using time-series based forecast consumption operator

In IBP order-based planning you want to consider advanced forecast consumption capabilities. Advanced forecast consumption capabilities are offered with an operator for IBP time-series based supply planning called “TS-based forecast consumption”.

This operator will enable forecast consumption modes, e.g.:

- 0: first forward, then backward
- 1: first backward, then forward
- 2: forward only
- 3: backward only
- 4: forward from boundary start
- 5: backward from boundary start

The forecast consumption operator will also allow a flexible forecast consumption level and support time-boundary values.

A consulting note is offered that will illustrate example(s) how to set up and configure TS forecast consumption operator as part of order-based planning based on sample model SAP7 + CUSTID.

Consulting note: 2776077 - Order-based planning using time-series based forecast consumption operator
Goods receipt processing time for Production, Distribution and Purchasing

With IBP1905 Order-based planning supports goods receipt processing time for Production, Distribution and Purchasing.

Example (planned order):

OBP planning runs consider the goods receipt processing time for planned production orders based on the factory calendar of the production plant. Starting their calculation backwards from the availability date, they deduct the goods receipt processing time to determine the goods receipt date.

The following graphics shows the goods receipt date, resulting from the goods receipt processing time, and its position between requirement date and availability date.
Goods Receipt Date in OBP planning UIs

The **Goods Receipt Date** column is available in the element view of the View Projected Stock app. However, the Requested or Planned Date is the basis for projected stock calculation.

The goods receipt date is also available in the Analyze Supply Usage app and in the Analyze Demand screen (Order Network), in the columns Requested Goods Receipt Date and Confirmed or Planned Goods Receipt Date.
Goods Receipt Date in Excel planning view

Additional external key figures are offered in sample planning area SAP7 based on goods receipt date.

Additional external data source columns ("external key figure qty") are offered to configure additional key figures based on goods receipt date. Look for Suffix "GR".
Goods Receipt Date

Business Process Information

- Capacity consumption takes place at the goods receipt date
- Supplier constraint is based on goods receipt date
- Version specific master data attribute “Goods receipt processing time” is enabled for change
- Application job “Extraction of order-based planning results” is enabled to extract the goods receipt date
Planning Run Profile (aka. Cost Profile for Optimizer)

Purpose:
Simplified maintenance of control cost for order based Optimizer

How does it work?

Global Cost
maintained as Parameter in Application Job

Static Cost
maintained in Planning Run Profile

Time-dependent Cost
maintained via Key Figures
### Inventory Holding Costs

<table>
<thead>
<tr>
<th>Operating Sequence</th>
<th>Segment Description</th>
<th>Cost Value</th>
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<tr>
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<td>all DC</td>
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<tr>
<td>2</td>
<td>all plants</td>
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### Safety Stock Violation Costs

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### Maximum Stock Violation Costs

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<td>2</td>
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</table>
## Defining conditions per segment

### Conditions

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<th>Operator</th>
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<tr>
<td>LOCNO</td>
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Editing conditions
Assigning a cost profile to the planning run
Planning Run Profile (aka. Cost Profile for Optimizer)

Other features:
- Specify maximum lateness (per Location Product)
- Additional parameters for Optimizer/Engine
Assembly Scrap - Integrate from S/4 HANA

Assembly Scrap can be integrated with openAPI version for 1905 from S/4 HANA to IBP using the IBP Add-On.

Assembly Scrap as defined in the Material Master will be transferred to the Production Data Structure.

Transaction “Integrate Production Source of Supply to IBP” (/IBP/ECC_INT_PDS) needs to be executed.

Component scrap, operation scrap or the net. indicator in the bill of material are not supported yet.
Assembly Scrap can be displayed in IBP using application “View Production Data Structures”.

Assembly Scrap is available in data source “SMD_PDS_V2” to enhance master data type for Production Data Structure accordingly.
Assembly Scrap in Planning

<table>
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<th>without Assembly Scrap</th>
<th>Assembly Scrap = 6%</th>
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<tr>
<td>Output Quantity 1.000 EA</td>
<td>Usable/ Net Output Quantity = 1000 EA</td>
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<td>Scrap = 60 EA</td>
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<td></td>
<td>Total/ Gross Output Quantity = 1060 EA</td>
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</table>

- Resource consumption = 1000 MIN
- Resource consumption = 1060 MIN

- Component Quantity = 1000 EA
- Component Quantity = 1060 EA

- Component Quantity = 2000 EA
- Component Quantity = 2120 EA

Lot size
- Lot sizes will be applied to the gross quantity

- Example: Given a rounding lot size 10 EA, scrap should be 10%. For a demand with a requested quantity of 10 EA, planning will create supply with a gross quantity of 20 EA and net quantity of 18.18 EA.

**Scrap in combination with lot sizes will lead to net quantities with decimals!**
Capacity Base Quantity - Integrate from S/4 HANA

Capacity Base Quantity can be integrated with openAPI version for 1905 from S/4 HANA to IBP using the IBP Add-On.

Capacity Base Quantity defined in the Routing as Operation base quantity will be transferred to the Production Data Structure only if sample BAdI implementation `/IBP/ECC_SAVE_PDS_BCONS_SAMPLE` is implemented in BAdI `/IBP/ECC_SAVE_PDS`.

Transaction “Integrate Production Source of Supply to IBP” (/IBP/ECC_INT_PDS) needs to be executed.
Capacity base quantity can be displayed in IBP using application “View Production Data Structures”.

Formula for calculating the resource consumption:

‘Order Quantity’ * ‘Bucket Consumption in PDS for the Resource’ / ‘Capacity Base Quantity in PDS for the Resource’
Production Source Item or Component Substitution

- Enables to replace components by alternative ones in time-series-based supply planning. Only supported by Optimizer.

- Even if there is a shortage on original components, the optimizer potentially finds a solution fulfilling customer demands by using substitute product source items.

- New Attribute, Master Data and Key Figure is introduced to support this feature

- Master Data: S4PRODUCTIONSOURCEITMSUB
Production Source Item or Component Substitution

- New attribute ISALTITEM Nvarchar(1) for the PRODUCTIONSOURCEITM Production Source Item or Component Substitution

- COMPONENTSUBSTCOSTRATE key figure to define a substitution cost rate for each unit of the original component that is replaced by the substitution product.
Production Source Item or Component Substitution

Example:

Source Production Header

Production Source

Production Source Item Substitution
## Production Source Item or Component Substitution

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</tr>
</tbody>
</table>
Transportation Resources for Optimizer

- Transportation resources are a new type of resource; they're used by a location source of supply and they model capacity consumption, that is, the amount of capacity consumed per unit of product transported.

- New Attribute, Master Data and Key Figures are introduced to support this feature

- Master Data Type Transportation Resource (S4TRANSPORTATIONRESOURCE)

```
<table>
<thead>
<tr>
<th>Component Master Data Types</th>
<th>Assigned Attributes</th>
<th>Attribute Checks</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOID</td>
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<tr>
<td>PRDID</td>
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<tr>
<td>RESID</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mandatory: trans resource</td>
<td></td>
<td></td>
</tr>
<tr>
<td>transport resource</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Start/Period of Capacity Consumption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>End/Period of Capacity Consumption</td>
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<td></td>
</tr>
<tr>
<td>Capacity Consumption Rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity Consumption Ratio TS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

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Transportation Resources for Optimizer

- New attribute TCAPACONSPOLICY Integer data type on SOURCELOCATION
  - Capacity consumption policy
    - NULL, 0 = consume at end of transport
    - 1 = consume at start of transport
    - 2 = consume over full lead time horizon

- New key figures TCAPACONSUMPTION (input key figure), TCAPADEMAND and TCAPAUSAGE (output key figures)
Forecast Consumption: Define the Sequence of Sales Order Processing

- You can now configure the sequence in which sales orders are processed by choosing one of the following options:
  - From left to right and from right to left, where the forecast consumption algorithm applies both sequences of sales order processing and chooses the one that gives the better result, that is, the solution that leads to more forecast consumption (default option).
  - From left to right only (the same order in which sales orders are processed in SAP Advanced Planning and Optimization (APO)).
- Sequence is defined in the new SALESORDERSEQUENCEID Integer attribute in the Forecast Consumption Mode master data type.
  - 0: Sequence that leads to more consumed forecasts
  - 1: From left to right (following ascending periods)
New Check for Check Mode Algorithm

- New check introduced for the check mode algorithm
- This new check which looks for isolated customer and location products that aren't connected to a source of supply.
- As these isolated customer and location products don't receive any demand or supply, they're ignored by the time-series-based planning algorithms and are in effect obsolete.
- To prevent memory shortages and improve runtimes, you should delete them.
- The new information message ID 7207 tells you how many isolated objects you have, so you can locate and delete them.
Additional Supply Planning Enhancements/Changes

Shelf Life Supply Planning Heuristic Support for Subnetworks

- You can now use the time-series-based shelf life planning heuristic to plan in subnetworks.
- The subnetworks are defined in the same way as for the time-series-based supply planning heuristic.

Replacement of PLNG_OPR_DIAGNOSIS_LEVEL

- The global configuration parameter PLNG_OPR_DIAGNOSIS_LEVEL is replaced by the new parameter PLNG_OPR_DIAGNOSIS_END_TIMESTAMP.
- To have dump files created after the upgrade, you need to change the new parameter manually. For more information, see note#: 2380705

S&OP Operator Key Figure Configuration Warning Checks Converted to Errors

- The following S&OP operator checks introduced in 1902 have been converted from warnings to errors in this release:
  - Key figures marked as input/output for supply planning in model configuration are actually supported by the S&OP operator.
  - Each planning level's key figure root attributes are correct and consistent.
Additional Supply Planning Enhancements/Changes

DISCRETIONARYINVENTORY Key Figure to be Discontinued

- The DISCRETIONARYINVENTORY key figure will no longer be supported after release 1905.

- This key figure is computed by time-series-based supply planning algorithms. When lot policy 3 (production cycle lot size) is used, this key figure shows how much inventory is built up to cover demand of future periods.

- However, planning algorithms do not output this key figure if the DISCINVCALC attribute of the product location master data is NULL.

- In the 1902 and 1905 releases, planning algorithms will return a warning if you still use the DISCRETIONARYINVENTORY key figure.

- As of 1908, this key figure will be ignored by planning algorithms.
Integration
Reinhard Sudmeier
Integration of SAP ECC, S/4HANA with IBP Using Add-On

SAP Integrated Business Planning

- Inbound Staging Tables
- SDI
  - Open API
- Time Series Based Planning Area
- Order Based Planning Area

SAP Cloud Platform Integration for data services

SAP S/4HANA on premise, SAP ECC 6.0 as off EHP 4

IBP Integration Add-On
- Extractors
- Webservices
- Staging Tables
- Function Modules
- SAP Data Provisioning Agent
- SAP Data Services Agent

Application

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Time Series Based Integration using IBP Add-On for S/4HANA, ECC

Details

S/4HANA on Premise, ECC 6.0 >= EHP 4

IBP Add-On

Extractors, e.g. /IBP/PRODUCT_TEXT, /IBP/LOCATION_ATTR

Selection Class incl. mapping and BAdIs

Staging Tables, e.g. /IBP/MARA_EXT, /IBP/LOC_EXT

Data Extraction Layer

Application

Initial load via reports

Continuous updates via change pointers, business transaction events

call from CPI-DS

select

fetch data

provide data

send data to CPI-DS

call from CPI-DS

select

fetch data
New Features in the IBP Add-On for S/4HANA / ERP in 1905

Key Figure Extractors

- Key Figure Extractors for
  - Resource Capacity Supply
  - Orders
  - Stock

- Based on add-on staging tables
  - /IBP/RESCAPA_EXT
  - /IBP/ORDER_EXT
  - /IBP/STOCK_EXT

- Dynamic aggregation dependent on mapped fields and filter settings

- Transaction to upload IBP Time Profiles for Time Aggregation (e.g. to technical weeks)

- Additional BAdI to modify raw data before aggregation

- Field extension concept also available for new extractors and many newly used staging tables
New Features in the IBP Add-On for S/4HANA / ERP in 1905
Customer Defined Extractors by BAdI Implementation

Framework for customer specific extractors by BAdI implementation
– Needed Customer Owned Objects:
  ▪ Extractor structure
  ▪ Extractor definition
  ▪ BAdI implementation
– Framework takes care about data package size and buffering
– Extractors with example BAdI Implementations for
  ▪ Customer Source
  ▪ Forecast Quantity
  ▪ Actuals Quantity
Integration of SAP ECC with IBP Demand Driven Replenishment Using Add-On

SAP Integrated Business Planning

- Planning Area SAP8 (Demand Driven Replenishment)

Master Data (Location, Product, Product Location, etc.)

Key Figures (Demand Quantity, Supply Quantity, On Hands Inventory, Forecast Quantity, Actuals Quantity, Cost per Unit)

SAP ECC 6.0 as of EHP 4

IBP Integration Add-On

Demand Driven Product Locations

Downstream Decoupling Points

Application
Attribute Permissions

Unmesh Gandhi
Attribute Permissions

Goal: The user should only access those master data attributes to which he/she has read permissions.

Benefits:
- **Security** – end users only see the attributes they are allowed to.
- **Performance** – Limiting the number of attributes. This leads to improved performance in areas like excel and analytics
- **Usability** – End User has a better user experience with working on the attributes that are more relevant for them instead of browsing and filtering through several attributes in the model

Remarks:
- Attribute Permissions complements the existing concept of IBP Permission Filters.
- IBP Permission Filters restricts the values of the attributes whereas Attribute Permissions restricts the set of master data attributes that are visible to end users.
Attribute Permissions

For example, FINANCEGROUP attribute of Product Master Data Type should only be allowed to be viewed by Finance Planners and should be hidden for all other users.

<table>
<thead>
<tr>
<th>Product ID</th>
<th>Description</th>
<th>FinanceGroup</th>
<th>ASP</th>
</tr>
</thead>
<tbody>
<tr>
<td>P001</td>
<td>Product 001</td>
<td>AOP</td>
<td>5</td>
</tr>
<tr>
<td>P002</td>
<td>Product 002</td>
<td>AOP</td>
<td>5</td>
</tr>
<tr>
<td>P003</td>
<td>Product 003</td>
<td>FIN</td>
<td>6</td>
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</tbody>
</table>

Define following Attribute Permissions:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Attribute Permission</th>
<th>Read Attribute Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter 1</td>
<td>AP_FINANCEGROUP</td>
<td>Unrestricted</td>
</tr>
<tr>
<td>Filter 2</td>
<td>AP_OTHERS</td>
<td>Exclude = FINANCEGROUP</td>
</tr>
</tbody>
</table>

For Master Data Maintenance - Planners need to have following restriction in their role:
- Master Data – Read Restriction
- Master Data Type = PRODUCT
- Planning Area = ‘XYZ’
- Version (IBP_VRSIO) = * (unrestricted)
- Scope (MD_EDIT_SCOPE) = * (unrestricted)
Manage Attribute Permissions App

Permissions Report

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Attribute Description</th>
<th>Has Read Access</th>
</tr>
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<tbody>
<tr>
<td>ABCCODE</td>
<td>ABC Code</td>
<td>No</td>
</tr>
<tr>
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<tr>
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<td>ABC Code</td>
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<td>ABCLOBGROUP</td>
<td>ABC Loc. Group</td>
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</tr>
<tr>
<td>ABCSECURITY</td>
<td>Target Security level for SAP PBCS</td>
<td>No</td>
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<td>ABCVIEWING</td>
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<td>No</td>
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<tr>
<td>ABLOC</td>
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</table>

Change History

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<th>Changed By</th>
<th>Section</th>
<th>Key</th>
<th>Type of Change</th>
<th>Field</th>
<th>Previous Value</th>
<th>New Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/10/2019</td>
<td>CreasedGanch</td>
<td>User Group</td>
<td>GROUP01</td>
<td>Add</td>
<td>User Group</td>
<td>GROUP01</td>
<td></td>
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<tr>
<td>04/10/2019</td>
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<td>Add</td>
<td>User</td>
<td>CB9998000000009</td>
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</tbody>
</table>
Usage of Attribute Permissions

- Analytics – Advanced app
- Define and Subscribe to Custom Alerts app
- Dashboard - Advanced app
- Manage Cases app
- IBP Excel Add-in
- Data Integration Jobs app
- Planning Filters app
- Application Logs
- External OData services
Backward Compatibility

- Attribute Permission filter (SAP_ALL_ATTRIBUTES) with unrestricted read attributes will be delivered by SAP.
- All existing business users will have the SAP_ALL_ATTRIBUTES permission filter assigned.
- For all new users, administrator need to assign attribute permission filters (either SAP_ALL_ATTRIBUTES or more restrictive) in addition to business roles.
Model Activation
Gabor Mittweg
Planning Area Validation Checks

When you start the consistency check or the activation of a planning area, the system performs validation checks on the planning area and on the model entities that are activated together with a planning area (planning levels, key figures, and versions).

Recently introduced validation checks produce Errors or Warnings depending when the given system was provisioned.

Starting from 1905, some validation checks turn to Errors or Suppressible Errors. Our motivation is to draw your attention to some modeling that need to be changed, but also to give you time to adopt.
List of suppressible validation checks:

- **S** &2: Make sure aggregation mode works with disaggregation mode.
- **S** Calc. &1@&2: Attr. &3 in expression, but not available from input.
- **S** Attribute &1 doesn't exist at PL &2, but has transformation.
- **S** Calculation &1@&2: Expression doesn't start with aggregation function
- **S** PL &1 and PL &2: Both cannot be used as base PL of stored key figures
- **S** Calculation &1@&2: Calculation expression is invalid.

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### Example

<table>
<thead>
<tr>
<th>See the activation / check log:</th>
<th><em>S</em> PL &amp;1 and PL &amp;2: Both cannot be used as base PL of stored key figures</th>
</tr>
</thead>
<tbody>
<tr>
<td>See the long text:</td>
<td>There are planning levels that share the same set of root attributes (not considering the time attribute), but they have different sets of non-root attributes (not considering the time attribute). Both planning levels are used as the base planning level of one or more stored key figures. …</td>
</tr>
<tr>
<td>You must correct the configuration of the planning area before the 1908 release.</td>
<td></td>
</tr>
<tr>
<td>Action required:</td>
<td>Fix the problem before the next activation or 'Activate with Limited Scope'</td>
</tr>
<tr>
<td>In case you want to address the problem later:</td>
<td></td>
</tr>
</tbody>
</table>
  - Activate with Limited Scope on the Planning Areas app with or without dependencies  
  - **The pop-up shows what to do (see the long text) and by when to do it**  
  - Suppress the 'Almost identical plan.levels cannot be used as base PL of stored key.figs' on the pop-up  
  - Hit 'Activate with Limited Scope'  
  - Schedule time to fix the model |
Simplified Key Figures in Configuration
Gabor Mittweg
Key Figure Calculations Simplified

SAP works on an enhanced version of activation. This will lead to:

- faster activation of planning areas,
- more robust operation,
- an opportunity to simplify specific complex key figure calculations.

The new **cumulative aggregation function** makes it easier to model typical cross-period calculations, such as projected stock, year-to-date and year-to-go calculations, or cumulative average.

You can use the **IBP_CAGGR** function to configure a cumulative aggregation **in one step**.
Cumulative Aggregation – Use Cases

1. Cumulative aggregation with periodical restart

2. Projected stock calculation that goes below zero and carries over negative values
**Cumulative Aggregation**

**CKF05**

**General**
- Calculation Definitions
- Display Settings
- Administrative Information

### Calculation Definitions

```plaintext
CKF05@REQUEST = SUM("CKF05@MTHPRODLOC")
```

Status: Active

```plaintext
CKF05@MTHPRODLOC = IBP.CAGGR("SKF01@MTHPRODLOC", "SUM", "FORWARD", "CURRENTFUTURE", 5)
```

Status: Active

<table>
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<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>O</th>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>LOC1</td>
<td>PRD1</td>
<td>LOC1</td>
<td>(None)</td>
<td>PRD1</td>
<td>SKF01</td>
<td>-100</td>
<td>10</td>
<td>10</td>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
<td>PRD2</td>
<td>LOC1</td>
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<tr>
<td>6</td>
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<td>PRD2</td>
<td>LOC2</td>
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</tbody>
</table>
Documentation Updates
Anna Linden
Documentation: http://help.sap.com/ibp

- What’s New
- Sneak Preview new Release
- Application Help
- SAP Best Practices
- Model Configuration Guide
- Migration Guide
- Data Integration Scenarios
- SAP Cloud Platform Integration
- JAM Integration Guide
- Security Information
- Roadmap
- Support Portal
- SAP Community
- Customer Influence
- ...

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Strategic Roadmap Webinar Upcoming (May 16, 2019):
Customer Influence Program Update

John Lopus
Customer Influence – Our Tool for Product Enhancement Ideas
Powered by SAP Innovation Management

Global cooperation of customers in the projects via
the collaboration site

**Customer Influence:**

- **Search** and **Vote** for improvement requests
- **Submit** your own improvement request
- Comment on improvement requests
- Follow improvement requests (get notified)
- Choose your areas of interest to get notification on any projects that might interest you in the future.
- Collaboration language is English

Contribute and Influence

How it works for customers

Integrated Business Planning continuous influence session is now ALWAYS open for your improvement request submission!

Logon to https://influence.sap.com/IBP

Specific for IBP:

<table>
<thead>
<tr>
<th>Follow the continuous session you want to influence</th>
<th>Submit your improvement request</th>
<th>Vote on other good ideas</th>
<th>Once idea reaches voting threshold, it is ready for review*</th>
<th>Product development reviews ideas</th>
<th>Product team informs about results of review</th>
<th>Suitable improvement requests are built into an upcoming release</th>
</tr>
</thead>
</table>

Minimum of 10 company votes is decided

Next review cycle will be twice per year

Next review in May 2019
IBP Customer Influence Updates

- 560 IRs submitted to date
- 70 Delivered or Already Offered
- 89 Planned for development
- 343 Open for voting
Thank you.

Today's Presenters from Product Management:
- alexis.lozada@sap.com – Inventory Optimization and DDMRP
- anna.linden@sap.com – IBP Excel Add-In
- claus.bosch@sap.com – Order-based Planning / Response
- gabor.mittweg@sap.com - Simplified Key Figures and Planning Area Activation
- ina.glaes@sap.com – IBP Best Practices
- kenton.harman@sap.com – Alerts, Analytics, and Dashboards
- michael.mack@sap.com – Order-based Planning / Deployment
- poorya.farahani@sap.com – Demand Driven MRP (DDMRP)
- pramod.mane@sap.com – Time-series based Supply Planning
- raghav.jandhyala@sap.com – Sales & Operations Planning
- rajwinder.singh@sap.com – Business Network Collaboration & Web-based Planning
- rainer.moritz@sap.com – Demand Planning
- ralf.heimburger@sap.com – Business Network Collaboration & Web-based Planning
- reinhard.sudmeier@sap.com – Integration
- u.gandhi@sap.com - Attribute Permissions

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IBP Customer Office: john.lopus@sap.com