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What's New in SAP Integrated Business Planning for Supply Chain 2105

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1 What's New in SAP Integrated Business Planning for Supply Chain 2105

About this version

Product Version	SAP Integrated Business Planning for Supply Chain 2105, including Hotfix Collection (HFC) 7
Document Information	1.5 - July 16, 2021 For software corrections, new software features, and major documentation enhancements in this HFC, see the What's New History [page 37] .
Important SAP Notes	3017644  (central note) 3017652  (release restriction note) 3017637  (release information note) 3017661  (patch collection information note) 3025117  (documentation corrections) 2135948  (prerequisites for the installation of SAP IBP, add-in for Microsoft Excel) 2394311  (version information for the SAP IBP, add-in for Microsoft Excel)
Licensing Information	Applications and Features of SAP Integrated Business Planning

What's New in 2105, and what you need to do after the upgrade to 2105?

The What's New table below lists all news and changes. You can filter the table according to your needs, in particular, to find the tasks that you need to perform immediately after the upgrade. Just click the blue *Filter* in the column header. For more information, see [How to Use the What's New Table \[page 35\]](#).

i Note

To list the features that are only available in normalized systems, filter the *Impact* column for *Normalized systems only*. For more information, see [Normalization \[page 40\]](#).

What's New

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Identity and access management	Changed	Administrator/configuration expert	Web UI	You can now assign multiple launchpad spaces to a business role. You can add or remove launchpad spaces on the Assigned Launchpad Spaces tab when editing a business role.	Maintain Business Roles [page 41]
Administration Model configuration	Prepare next release	Administrator/configuration expert	Model configuration Role/business catalog	If you have at least two SAP IBP systems in your landscape, for example, a test and a production system, you will be contacted by SAP to evaluate and plan the next steps for enabling your landscape for extensibility development. If your system landscape is enabled for extensibility development, you can use the Export Software Collection, Import Collection, and Extensibility Inventory apps for the export and import of software collections with extension items, such as model entities. This allows for better control of the import in the landscape and better handling of the dependencies between extension items. If your system landscape is not yet enabled for extensibility development, you must continue to use the Transport Model Entities app. When all customers have switched to the new apps in the upcoming releases, this app will be deprecated and will be deleted from the SAP Fiori launchpad. Three business catalogs are available that include the Export Software Collection, Import Collection, and Extensibility Inventory apps.	Enhancements to Export and Import of Software Collections [page 42]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning Exception management End-to-end visibility	New	Administrator/configuration expert	Web UI	When you create a navigation from an SAP IBP app to an SAP GUI system or a Web app, you can now create one of the following: - Generic navigation, for example, to the source system of a product - Order-based navigation, for example, to the source system of a sales order You can still define a navigation for orders as a generic navigation. However, it is easier to use the order-based navigation option since you do not need to make the dynamic navigation settings. You can now also create a navigation from the <i>Monitor Custom Alerts</i> or <i>Intelligent Visibility</i> apps for custom alerts that include order information for external key figure values used in order-based planning.	Enhancements to Navigations to Other Systems [page 43]
Administration Data integration End-to-end visibility	New	Administrator/configuration expert	Web UI	As an SAP IBP administrator, you can now use the existing communication scenario <code>SAP_COM_0583</code> to render raster map tiles from the Esri map service provider within the geographic visualizations in Control Tower applications such as <i>Intelligent Visibility</i>, <i>Analytics – Advanced</i>, and <i>Dashboards -Advanced</i>.	Enhancements to Integrating with Supported External Map Providers [page 44]
Administration	Prepare next release	Administrator/configuration expert	Web UI	As already announced in SAP IBP 2011, the <i>Maintain Employees</i> (F2288) app has been replaced by <i>Maintain Employees</i> (F2288a). You can find both apps next to each other on the SAP Fiori launchpad. The <i>Maintain Employees</i> (F2288) app will be removed with the SAP IBP 2108 release. We recommend that you start using the successor app <i>Maintain Employees</i> (F2288a) as soon as possible.	Deprecated App: Maintain Employees [page 47]
Administration	New	Administrator/configuration expert	Web UI Role/business catalog Application job	As an administrator, you can now use authorizations for application job templates to manage shared and private templates defined by other users. With the new business catalog <i>Application Job Management - Application Job Templates</i>, you can display, edit, and delete shared and private application job templates created by you and other users.	Authorizations for Application Job Templates [page 48]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Administration	New	Administrator/configuration expert	Web UI	You can use the new card Attribute as Key Figure Statistics available within the System Monitoring app. You can use this card to display the number of records created or updated by loading attributes as key figures to the SAP IBP system.	Enhancements to System Monitoring Fiori App: Attribute as Key Figure Statistics [page 45]
Administration	New	Administrator/configuration expert	New SAP Fiori app Role/business catalog Normalized systems only SAP IBP, add-in for Microsoft Excel	In normalized systems only, you can use the new Manage Editability Horizons for Key Figures app to define, for a set of key figures, a restricted time window in which the key figures can be modified. The SAP Integrated Business Planning, add-in for Microsoft Excel has new formatting rules that you can use to visualize the editability of key figures in the planning views.	New App: Manage Editability Horizons for Key Figures [page 46] Enhanced Visualization of Key Figure Editability [page 77]
Administration	Changed	Administrator/configuration expert	Application job	As already announced in SAP IBP release 2101, the Delete Application Logs application job template has been deprecated and has been removed in SAP IBP 2105. Since the deletion of the logs is automatically handled by the system, no further action is required. However, if you previously made a copy of the template, after your upgrade to SAP IBP 2105, you'll no longer be able to schedule a job using this template.	Deprecated Job Template: Delete Application Logs [page 48]
Business network collaboration	New	Administrator/configuration expert	Integration Global configuration parameter Web UI	You can now use business network collaboration for more use cases. This is enabled by the finer granularity of the planning level that we offer now. Up to now, we supported forecast collaboration on a planning level with two root attributes (that is, for the <code>Location - Product</code> planning level). Now you can collaborate on a planning level with a third root attribute. You can flexibly define this third root attribute from your planning level, that is, you can choose whether or not to define it, and you can define any third attribute of your choice. This allows you, for example, to collaborate on production plans, where you use the <code>Location - Product - Production Line</code> planning level.	Granular Forecast Collaboration [page 49]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
End-to-end visibility	New	Administrator/configuration expert	Integration Web UI	You can now integrate data from SAP Transportation Management into SAP Integrated Business Planning. To set up the integration, use the new communication scenario <i>Planning - Transportation Management Information Integration</i> (SAP_COM_0661).	Integration of SAP Transportation Management Data [page 133]
Data integration	New	Administrator/configuration expert	Integration Global configuration parameter Normalized systems only	You can now import key figure data into scenarios using an OData service. There is a new global configuration parameter to set the maximum amount of data to be stored in a scenario.	Importing Key Figure Data into Scenarios [page 51]
Data integration Identity and access management Demand planning Process management	New	Administrator/configuration expert Business user	Integration	Integration via OData services now supports extracting version-dependent master data and key figures, importing values of multiple key figures into SAP IBP, and sending requests in parallel. You can now integrate process management data with an external monitoring tool. For setting up the integration, a new OData v4 service is available. You can now upload realignment projects using an OData service. There is also a new OData service that allows you to read metadata information from an external identity management system for the service MANAGEBUSINESSUSERIN.	Enhancements of Data Integration Using OData Services [page 52] Extraction of Process Management Data [page 85] Upload of Realignment Projects Using OData Service [page 88]
Data integration	New	Administrator/configuration expert	Integration	When integrating planned independent requirements from SAP IBP to your on-premise system via SAP Cloud Integration for data services, instead of replacing old data with up-to-date information, the new template supports keeping existing data in your on-premise system.	New Template for Integrating Planned Independent Requirements [page 53]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Model configuration SAP IBP, add-in for Microsoft Excel Demand planning	New	Administrator/configuration expert	Model configuration New SAP Fiori app Web UI SAP IBP, add-in for Microsoft Excel	The new Key Figure Groups app is available for defining key figure groups based on your business needs and for modifying or deleting existing key figure groups. The key figure groups defined in the app can be used for creating planning views that can be viewed the SAP IBP, add-in for Microsoft Excel or realignment projects in the Manage Realignment Rules app. In the SAP IBP, add-in for Microsoft Excel, you can now use key figure groups to find and select the key figures that are relevant for a specific task or process in an easier way. The key figure groups can be found in the New View and Edit Planning View dialogs, on the Key Figures tab.	New App: Key Figure Groups [page 60] Key Figure Groups in Data Re-alignment [page 87] Grouping of Key Figures [page 80]
Model configuration	! Must know	Administrator/configuration expert	Model configuration Web UI	As announced in the previous releases, the old Configuration app has been deprecated and is no longer available. As of SAP IBP 1911, the Configuration app has been replaced by the Planning Areas app, which provides all the functions of the old app.	Deprecated App: Configuration [page 61]
Model configuration	! Must know	Administrator/configuration expert	Model configuration Web UI	You can no longer create copy (COPY) and disaggregation (DISAGG) operators in the Planning Operators app. If you have existing operators of these types in your system, you can still use and modify them, but you can no longer create new ones. You can use the Copy Operator Profiles app to create the Copy Operator (Advanced) , which has replaced the copy and disaggregation operators.	Creation of Copy and Disaggregation Operators Disabled in Planning Operators App [page 62]
Model configuration	Prepare next release	Administrator/configuration expert	Application job	As announced in 2102, an automatic migration of copy and disaggregation operators to copy operator profiles is planned with the upgrade to 2108. You can easily migrate your copy and disaggregation operators using the import feature in the Copy Operator Profiles app. We recommend that you start preparing the migration now.	Preparing Automatic Migration of Copy and Disaggregation Operators [page 66]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Model configuration	Prepare next release	Administrator/configuration expert	Model configuration	As previously announced, the following errors are suppressible in SAP IBP 2105, but will become non-suppressible in the 2108 release: • <i>*S* Key Figure &1 has version assignment problem in Version &2</i> • <i>*S* Key Figure &1 has generated key figure assignment problem</i> Please prepare for the change by resolving the inconsistencies.	Activation Check For Fixing-Enabled Key Figures with a Version Assignment Problem [page 63] Activation Check for Fixing-Enabled Key Figures with a Wrong Generated Key Figure Assignment [page 62]
Model configuration	New	Administrator/configuration expert	Model configuration Web UI	Usability enhancements have been introduced in model configuration to support navigation, more efficient handling of objects, and understanding of configuration details. The following apps have been enhanced: • Sample Model Entities • Planning Areas • Compare Planning Areas	Usability Enhancements in Apps for Model Configuration [page 64]
Model configuration	New	Administrator/configuration expert	Model configuration Web UI	The Compare and the Show History functions available for various modeling entities have been enhanced to help you quickly get an understanding of the nature of differences between two entities or two historical states of an entity.	Quick View of Differences Between Modeling Entities or Historical States of an Entity [page 66]
Model configuration	New	Administrator/configuration expert	Model configuration Web UI	In the Transport Model Entities app, you can transport navigations created in the Manage Navigation to Other Systems app.	Not applicable

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Model configuration	 Must know	Administrator/configuration expert	Model configuration	Suppressible error <i>*S* Calculation &1@&2: Expression doesn't start with aggregation function</i> turns into error with SAP IBP 2105. This means that after the upgrade to SAP IBP 2105, you can no longer activate your planning areas with limited scope if this error occurs. Correct the invalid configurations to be able to activate your planning areas.	Suppressible Error Expiring in 2105 [page 54]
Model configuration	Prepare next release	Administrator/configuration expert	Model configuration	The following suppressible errors will turn into errors in the upcoming SAP IBP releases: • <i>*S* PL &1 and PL &2: Both cannot be used as base PL of stored key figures</i> • <i>*S* Stored values of KFs, with different base PLs, are read from PL &1</i> • <i>*S* Calc. &1@&2: PL of input KF &3 has more attr. than base PL &4.</i> • <i>*S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.</i> After that, you can no longer activate your planning areas with limited scope if these errors occur. Correct the invalid configurations to be able to activate your planning areas.	Suppressible Errors Expiring in Upcoming SAP IBP Releases [page 55]
Model configuration	Changed	Administrator/configuration expert	Model configuration	The <code>IBP_COVERAGE</code> function has been enhanced. You can now use it to calculate not only days of coverage, but other key figures, for example, projected stock.	Coverage [page 55]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Model configuration Normalization Administration Identity and access management Data integration SAP IBP, add-in for Microsoft Excel SAP Jam Process management Demand planning Inventory optimization Demand-driven replenishment Time-series-based supply planning Order-based planning Exception management Cross applications Analytics Security User assistance Business network	Prepare next release	Administrator/configuration expert	Model configuration	As announced previously, a new normalized data model has been introduced to improve performance, memory utilization, robustness, and scalability in the upcoming releases. All systems are planned to be migrated to this normalized data model in cooperation with customers in the year 2021. i Note As of SAP IBP 2105, most of the new features are supported only in normalized systems. If you want to use these new features, you need to ask SAP to normalize your systems. To prepare your systems for the normalization migration, please complete the steps described in SAP Note 2885814. Key preparation tasks are to look for suppressible errors in your activation logs, correct invalid configurations, and activate your planning areas with full scope. These steps need to be completed before your systems can be normalized by SAP. For non-normalized systems, please note that features that have worked in 2102 will still do so in 2105. To list the features that are only available in normalized systems, filter the <i>Impact</i> column for <i>Normalized systems only</i>.	Normalization [page 40]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
collaboration Driver-based planning Web-based planning End-to-end visibility Unified planning area (SAP IBP1)					
Model configuration Normalization	Prepare next release	Administrator/configuration expert	Model configuration	As part of the normalization project, we provide activation checks that help you to spot and fix errors in your configuration that would prevent the normalization of your data model. These checks indicate if there are calculation definitions where the stored value of a key figure is used at an input planning level other than its base planning level, and whether the input planning level has a different set of root and non-root attributes from the base planning level, which is not allowed. This is an existing modeling requirement, which is supported by five activation checks, implemented as suppressible errors.	Checks for Stored Key Figures Read from Incompatible Input Planning Levels [page 56]
Model configuration	New	Administrator/configuration expert	Model configuration Normalized systems only Application job	You can now use write permission filters to allow or prevent the execution of the <i>Copy Operator (Advanced)</i>.	Support of Write Permission Filters for Copy Operator (Advanced) [page 68]
Model configuration	New	Administrator/configuration expert	Model configuration Application job	A number of new processing features and usability enhancements have been added to the <i>Copy Operator Profiles</i> app.	Enhancements to Copy Operator (Advanced) [page 67]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Unified planning area (SAP IBP1)	Changed	Administrator/configuration expert	Model configuration	All descriptions of planning levels in the SAP IBP1 sample planning area have been harmonized according to the following pattern: <Root time attribute> <Root attribute 1> ... <Root attribute n>.	Harmonization of Planning Level Descriptions [page 69]
Unified planning area (SAP IBP1)	Changed	Administrator/configuration expert	Model configuration	The description of the time profile with the ID 12, which is used in the SAP IBP1 sample planning area, has been updated to <i>SAP IBP1 - D TW CW M Q Y</i> .	Update of Time Profile Description [page 69]
Unified planning area (SAP IBP1) Time-series-based supply planning	Changed	Administrator/configuration expert	Model configuration	To make the ID of the WKCOMPALTCOMPSRC planning level consistent with the IDs of other planning levels of the SAP IBP1 sample planning area, it has been changed to WKCOMPALTCOMPSRCLOC.	Adjustment of Planning Level ID [page 70]
Unified planning area (SAP IBP1) Demand planning	New Changed	Administrator/configuration expert Business user	Model configuration Planning algorithm	Two <i>BestFit</i> forecast models are now offered, one for products in segment A and B, and one for products in segment C. They replace the previous <i>Best Fit Forecast</i> forecast model.	Provision of Two BestFit Forecast Models [page 70]
Unified planning area (SAP IBP1) Demand planning	Changed	Administrator/configuration expert Business user	Model configuration Planning algorithm	The sample forecast model for <i>TripleExponentialSmoothing</i> is not used in the SAP Best Practices for SAP Integrated Business Planning. It has therefore been removed from the SAP IBP1 sample planning area.	Removal of Sample Forecast Model TripleExponentialSmoothing [page 71]
Unified planning area (SAP IBP1) Time-series-based supply planning	New	Administrator/configuration expert Business user	Model configuration	Several key figures related to time-series-based supply planning were so far not assigned to the downside version and upside version in the SAP IBP1 sample planning area. They have now been assigned.	Assignment of Key Figures [page 71]
Unified planning area (SAP IBP1)	Changed	Administrator/configuration expert Business user	Model configuration SAP IBP, add-in for Microsoft Excel	All key figures of the SAP IBP1 sample planning area have received more detailed descriptions. The extra information can be helpful, for example, when you create planning views in the SAP Integrated Business Planning, add-in for Microsoft Excel.	Update and Extension of Key Figure Descriptions [page 72]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Unified planning area (SAP IBP1) Inventory optimization	New Changed	Administrator/configuration expert Business user	Model configuration Planning algorithm	To support the new Forecast Error Over Lead Time Interval feature, the SAP IBP1 sample planning area now has new key figures and planning levels. Existing key figures and planning levels have also been adjusted.	Configuration for Forecast Error Over Lead Time Interval [page 72]
Unified planning area (SAP IBP1) Inventory optimization	Changed	Administrator/configuration expert Business user	Model configuration Planning algorithm	Dynamic lag in the SAP IBP1 sample planning area now also requires the IOLAGFECVTYPE and IOLAGFORECASTERRORCVTYPE key figures as input.	Enhancement for Dynamic Lag [page 73]
Unified planning area (SAP IBP1) Time-series-based supply planning	New	Administrator/configuration expert Business user	Model configuration	The new SUBSTOTALCONSTRAINEDDEMAND key figure on the newly added WKPRODCUSTSPRD and WKPRODCUSTSPRDUOMTO planning levels in the SAP IBP1 sample planning area shows what amount of the TOTALCONSTRAINEDDEMAND key figure is fulfilled by the substitute product.	Visibility of Substitute Product's Amount in TOTALCONSTRAINED-DEMAND [page 74]
SAP IBP, add-in for Microsoft Excel	New	Administrator/configuration expert Business user	SAP IBP, add-in for Microsoft Excel	With SAP IBP 2105, the SAP IBP, add-in for Microsoft Excel (Excel add-in) 2105.2.0 is available.	New Excel Add-In Version [page 74]
SAP IBP, add-in for Microsoft Excel	Prepare next release	Administrator/configuration expert	SAP IBP, add-in for Microsoft Excel	We are planning to raise the minimum required version for SAP IBP, add-in for Microsoft Excel (Excel add-in) to 2005.2.0 with the upgrade to SAP IBP 2111, planned for November 2021. To identify users who use older versions of the Excel add-in, you can check the System Monitoring  Session Statistics for Excel Add-In  app, and have them upgrade their Excel add-in installation in time.	Planned New Minimum Version of the SAP IBP, Add-In for Microsoft Excel [page 75]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
SAP IBP, add-in for Microsoft Excel	Prepare next release	Administrator/configuration expert	SAP IBP, add-in for Microsoft Excel	With the upcoming SAP IBP, add-in for Microsoft Excel 2108.2.0, which is planned to be released in August 2021, we are planning to introduce the following new software requirements: .NET 5.0 - Microsoft Edge WebView2 (This requirement might be postponed to the 2111.2.0 version of the Excel add-in.) It will be mandatory to install .NET 5.0 and Microsoft Edge WebView2 before you can install the 2108.2.0 version of the Excel add-in. (If the requirement for Microsoft Edge WebView2 is postponed to the 2111.2.0 version, you'll need to make sure Microsoft Edge WebView2 is installed before you install the 2111.2.0 version of the Excel add-in.) You can find the installation files in the following locations: .NET 5.0: https://dotnet.microsoft.com/download/dotnet/5.0 📄, choose <i>.NET Desktop Runtime 5.0.5</i> - Microsoft Edge WebView2: https://developer.microsoft.com/en-us/microsoft-edge/webview2/#download-section 📄, choose <i>Evergreen Standalone Installer</i>	Planned Upgrade to .NET 5 and Microsoft Edge WebView2 [page 76]
SAP IBP, add-in for Microsoft Excel	Changed	Administrator/configuration expert Business user	SAP IBP, add-in for Microsoft Excel	We have simplified the formatting sheet options that were available before 2105, and made them easier to use. The simplification also helps to reduce the effort for template administrators by minimizing the number of rules that need to be set up to achieve basic formatting of the planning views in templates.	Enhanced SAP IBP Formatting Sheet [page 78]
SAP IBP, add-in for Microsoft Excel	New	Business user	SAP IBP, add-in for Microsoft Excel	We have improved the way you can manage your attribute-based filters. You can share attribute-based filters using the <i>Organize</i> option, and move them into and out of folders using the <i>Move</i> dialog.	Sharing and Organization of Attribute-Based Filters [page 81]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
SAP IBP, add-in for Microsoft Excel	Changed	Business user	SAP IBP, add-in for Microsoft Excel	We have improved the search function in SAP Integrated Business Planning, add-in for Microsoft Excel. You can now search for all of the search terms you enter in the search bar, use case-sensitive search (<i>Match case</i> option), and search for exact occurrences of search terms (<i>Match whole words</i> option).	Improved Search [page 82]
SAP IBP, add-in for Microsoft Excel	 Must know	Administrator/configuration expert	SAP IBP, add-in for Microsoft Excel	As of 2105, the <code>PARTIAL_READ_ACTIVE</code> global configuration parameter becomes a technical parameter. This means that customers will only be able to change the configuration of the parameter by requesting SAP support to do so. We are also reactivating the parameter for all customers who had deactivated it previously. This means that the system buffers the result of key figure calculations that are required in order to open or refresh a favorite or a planning view that has the same set of attributes and key figures as a favorite. This can have a positive impact on performance.	Removing a Global Configuration Parameter [page 83]
SAP IBP, add-in for Microsoft Excel	New	Business user	SAP IBP, add-in for Microsoft Excel	We have added a link to the <i>User Guide for SAP IBP, add-in for Microsoft Excel</i> from the Excel add-in. You can now open the <i>User Guide for SAP IBP, add-in for Microsoft Excel</i> from the <i>About</i> group of the <i>SAP IBP</i> ribbon by choosing  <i>Help</i> .	User Guide for SAP IBP, Add-In for Microsoft Excel [page 83]
Web-based planning	Changed	Business user	Web UI	The column headings for attributes and key figures in the settings of a web planning view have been renamed to harmonize UIs. The functionality of these columns is unchanged.	Minor UI Changes in the Web-Based Planning App [page 84]
Web-based planning	New	Business user	Web UI	You can now use versions that have version-specific master data.	Use of Versions with Version-Specific Master Data [page 84]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Demand planning	New	Business user Administrator/configuration expert	Planning algorithm Application job Web UI	You can now choose any aggregation level for demand sensing application jobs without having to assign previously required business meanings to the attributes on the chosen level. You can also run demand sensing on multiple aggregation levels and choose more than three attributes for each level if you wish. However, these new features are only available if you as a configuration expert create a different forecast model for each level and specify the key figures in which the various technical outputs should be stored for the selected level. A new section called Configuration Expert View is available for this in the Manage Forecast Models app after you select the demand sensing (full) or demand sensing (update) algorithm. Due to technical changes that make demand sensing at any level possible, the number of decimals has automatically been set to 6 for values stored in certain key figures.	Demand Sensing at Any Level [page 88]
Demand planning	New	Business user Administrator/configuration expert	Web UI Planning algorithm	For each independent variable you choose for the auto-ARIMAX/SARIMAX algorithm in the Manage Forecast Models app, you can now specify if it is a categorical variable or not. Categorical variables allow the algorithms to learn from sales patterns connected to events in the past that are expected to occur again in the future in varying periods.	Categorical Variables for Auto-ARIMAX/SARIMAX [page 90]
Demand planning	New	Business user Administrator/configuration expert	Planning algorithm	The gradient boosting of decision trees algorithm can now consider trends and change points at the same time. Previously, it could either handle time series with trends or change points, but not both.	Trend Handling by Gradient Boosting [page 91]
Demand planning	New	Business user	Web UI	You can now filter the list of planning objects by the number and dates of change points on the Time Series Properties screen of the Manage Forecast Automation Profiles app.	Enhanced Filtering in the Manage Forecast Automation Profiles App [page 92]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Demand planning	New	Administrator/configuration expert	Global configuration parameter	You can now make the use of planning filters mandatory for a user group when they schedule or run statistical forecasting application jobs. A new global configuration parameter is available for this purpose.	New Global Configuration Parameters for Forecasting [page 93]
Demand planning	New	Administrator/configuration expert	Global configuration parameter	You can now determine when the system should consider a package of parallelly executed forecast automation application jobs successful. A new global configuration parameter is available for this purpose.	New Global Configuration Parameters for Forecasting [page 93]
Demand planning	New	Business user	Web UI	You can now define dates and parameters for manual forecasting for new products in the <i>Manage Product Lifecycle</i> app.	Manual Forecasting for New Products [page 86]
Demand planning	New	Business user	Web UI Normalized systems only	You can now create the missing planning objects for new products from the planning object actions.	Creation of Missing Planning Objects for New Products [page 86]
Inventory optimization	Changed	Administrator/configuration expert Business user	Web UI Planning algorithm Application job	You can now use the <i>Manage Forecast Error Calculation – Inventory Optimization</i> app to calculate forecast error over lead time using daily historical sales and forecast data. This allows you to address inventory planning needs for short-term replenishment planning. In addition, because of this new change, the steps to calculate forecast error at lead time have changed slightly.	Calculating Forecast Error over Leadtime [page 94]
Inventory optimization	Changed	Administrator/configuration expert	Model configuration Planning algorithm	Proper algorithm processing for dynamic lag calculation in inventory optimization requires forecast error profiles to determine whether the forecast error coefficient of variation supports lag-based outputs. This requires the addition of two new key figures.	Changes to Dynamic Lag for Propagation of Forecast Error [page 98]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Inventory optimization	Changed	Administrator/configuration expert	Model configuration	As a reminder, in the 2102 SAP IBP release, in the SAP3 sample planning area, the name of the PBR key figure changed to <i>Periods Between Replenishment</i> and the name of the COSTPERUNIT key figure changed to <i>Standard Unit Cost</i> .	N/A
Demand-driven replenishment	New	Administrator/configuration expert	Integration	You can now use SAP IBP demand-driven replenishment to set and size DDMRP buffers while also running demand-driven planning and execution in SAP S/4HANA.	Integration between SAP IBP and SAP S/4HANA for Demand-Driven Replenishment [page 100]
Demand-driven replenishment	New	Business user	Web UI	A new netflow integrity chart and table view have been added to the decoupling point details page in the <i>DDMRP Buffer Monitoring</i> app. Also, you can add additional product and location attributes to the main report, and those can be used to filter, sort, and group product locations.	Changes to the DDMRP Buffer Status Monitoring App [page 101]
Demand-driven replenishment	New	Business user	Web UI	You can now add additional filters to the filter bar in the <i>DDMRP Buffer Analysis App</i> and use those to filter the list of decoupling points displayed by the app.	Changes to the DDMRP Buffer Analysis App [page 103]
Demand-driven replenishment	Changed	Administrator/configuration expert	Model configuration	A new key figure has been added for technical reasons that indicates the change of a decoupling point in comparison to yesterday's status. We recommend you add it to your DDMRP-based planning area. The key figure has also been added to the SAP8 sample planning area, so you can use that as a reference.	Key Figure Added to Demand-Driven Replenishment [page 104]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Driver-based planning	New	Administrator/configuration expert Business user	Web UI	You can now add calculated key figures to a driver planning view. This can be handy, for example, if you have a calculated key figure that shows the overall value of a driver and that is calculated on the basis of other stored editable key figures in the driver planning view. This allows you to get a better picture of the impact of a driver. To make it easier for you to see which type of key figure you're working with, the types are now indicated by icons in various places throughout the app.	Calculated Key Figures in the Driver-Based Planning App [page 105]
Driver-based planning	Changed	Business user	Web UI	We've made the following changes in the <i>Driver-Based Planning</i> app: - The value helps for selecting key figures for the driver planning view have been reworked to show only key figures that are relevant for working with drivers, that is, key figures that have the attribute <code>Driver ID</code> as a root attribute in their base planning level. This makes the list of key figures to select from easier to scan. - The column headings for driver attributes, planning level attributes, and key figures in the settings for the driver planning view have been renamed to harmonize UIs. The functionality of these columns is unchanged.	Changes in the Driver-Based Planning App [page 105]
Time-series-based supply planning	New	Administrator/configuration expert Business user	Web UI Planning algorithm	The time-series-based supply planning finite heuristic now supports non-storable customer products and location products (considered as a soft constraint), but only for transports. Outgoing transports of a location product are brought forward so that in each period, projected stock remains at or below the value you've defined. Production is still planned as late as possible.	Time-Series-Based Supply Planning Finite Heuristic Supports Non-Storable Customer and Location Products [page 108]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Time-series-based supply planning	Changed	Administrator/configuration expert Business user	Web UI Planning algorithm Normalized systems only	In normalized systems only, extra information on key figures and master data types is now available in the statistics provided after a planning run, to help you resolve any issues or when trying to improve performance. We've provided these statistics as attachments to the application log, instead of in the business log as previously. In non-normalized systems, there's no change to the statistics or to the way they're provided; they remain in the business log.	Extra Information in Planning Run Statistics [page 106]
Time-series-based supply planning	New Changed	Administrator/configuration expert Business user	Web UI Model configuration	We've updated late delivery for inter-subnetwork demand (only available with the time-series-based supply planning optimizer and the time-series-based supply planning finite heuristic). There's a new key figure and the behavior of an existing key figure has changed. The new key figure has been added to the SAP4 and SAPIBP1 sample planning areas. If you want to use it, you need to add it to your planning area and then reactivate the planning area.	Late Delivery for Inter-Subnetwork Demand [page 107]
Time-series-based supply planning	Changed	Administrator/configuration expert Business user	Web UI Planning algorithm Normalized systems only	In normalized systems only, the time-series-based supply planning optimizer now respects aggregated constraints during time aggregation, whereas previously it didn't. In non-normalized systems, aggregated constraints during time aggregation are still deactivated.	Time-Series-Based Supply Planning Optimizer Now Respects Aggregated Constraints During Time Aggregation [page 109]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Time-series-based supply planning	New	Administrator/configuration expert Business user	Model configuration Planning algorithm	We have added the Total Customer Receipts for a Substitute Product (SUBSTTOTALCONSTRAINEDDEMAND) key figure to the SAP4 sample planning area. It provides insight into the customer demand for a specific product that has been fulfilled by a specific substitute product. If you want to use the new key figure, you need to add it to your planning area and reactivate the planning area.	New Key Figure Total Customer Receipts for a Substitute Product [page 109]
Order-based planning	Changed	Business user	Web UI	The View Projected Stock app has been renamed to Projected Stock .	
Order-based planning	New	Administrator/configuration expert	Web UI	In the Settings for Order-Based Planning app, if the period type for the stock-related key figures is Day , you can now choose whether or not the production calendar of a location is considered in days of supply calculations.	Use of Production Calendars in Days of Supply Calculations [page 117]
Order-based planning Web-based planning	New	Administrator/configuration expert Business user	Web UI Planning algorithm	Several enhancements have been made for product substitution in order-based planning. To define substitution costs, you can now maintain substitution cost rules in planning run profiles as an alternative to using the SUBSTCOSTRATE key figure. A new tab was added in the Planning Run Profiles app called Substitution Costs. In the Web-Based Planning app, you can now show information from order-based planning for substitution orders. You can show the orders that make up a key figure value for four additional external key figures. Substitution was added as a link type in the Supply Chain Dependencies app. This link type shows that the object and the used object are connected by product substitution.	Substitution Costs in Planning Run Profiles [page 113] Substitution Order Information in Planning Views [page 117] Link Type in Supply Chain Dependencies App [page 119]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning	Changed	Administrator/configuration expert Business user	Web UI Planning algorithm	In the <i>Planning Run Profiles</i> app, you can now control switchable constraints on the level of planning objects. Defining rules, you can deactivate or activate constraints for certain combinations of object and attribute values, such as a specific material number in a specific location. Previously, a constraint type (for example, supplier or capacity) could only be active or inactive as a whole.	Rule-Based Switchable Constraints [page 113]
Order-based planning	! Must know	Administrator/configuration expert Business user	Web UI	In transactional OBP apps, the key figure names from the relevant planning area are now shown for multiple forecast key figures. Previously, only the text <i>Open Forecast</i> was displayed. So you now get more precise information about the quantity that is shown. For single forecast key figures, the text displayed has changed from <i>Open Forecast</i> to <i>Forecast</i> in the same apps. Accordingly, the forecast-related value of the <i>DemandType</i> attribute has been renamed from <i>Open Forecast</i> to <i>Forecast</i> in the <i>Planning Run Profiles</i> app. ⚠ Caution If you have saved a variant using <i>Open Forecast</i> as a filter in one of the transactional apps, the variant won't work anymore. Please adapt the filter value to one of the new options available.	Names of Multiple Forecast Key Figures Shown in OBP Apps [page 110]
Order-based planning	New	Administrator/configuration expert Business user	Web UI Planning algorithm	You can now use new attributes in the <i>Planning Run Profiles</i> app. The different attributes were added to the <i>Demand Prioritization</i> tab, the <i>Maximum Lateness</i> tab, and the cost tabs.	Additional Attributes in Planning Run Profiles [page 114]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning	New	Administrator/configuration expert Business user	Planning algorithm Application job	Order-based planning (OBP) now supports upstream planning with subnetworks. This means planning from independent demands at distribution centers and factories to suppliers, with supply from upstream networks being considered as infinite. Previously, you could only do subnetwork planning in the downstream direction in OBP. You can use the new feature to propagate independent demands for finished goods through the supply chain up to the level of purchasing components, ignoring potential constraints in the upstream subnetworks. The job templates for the confirmation run and the constrained forecast run have been enhanced with the new parameter <i>Planning Direction</i>.	Upstream Planning with Subnetworks [page 118]
Order-based planning	New	Administrator/configuration expert Business user	Planning algorithm Web UI	In planning runs that use the finite heuristic, you can now decide to push excess stock – stock above the maximum stock level – to the next supply chain level. You can use this feature to, for example, define locations as non-stocking locations or if you want supply from production to be shipped from the production plant to the next distribution center. You use the maximum stock key figure to define a level above which stock is regarded as excess.	Push of Excess Stock [page 119]
Order-based planning	New	Administrator/configuration expert Business user	Web UI SAP IBP, add-in for Microsoft Excel Model configuration Application job	New interactive planning options are available that allow you to manually create, fix or unfix, or delete certain planned receipts. The SAP7 planning area has new key figures for interactive planning. If you want to use this feature, you need to add the key figures to your planning area and activate it again. We've also introduced three new application jobs for the create, fix or unfix, and delete operations.	Interactive Planning with Key Figures [page 111]
Order-based planning	New	Business user	Web UI	You can now delete deployment stock transfer requisitions in the <i>Projected Stock</i> app.	Enhanced Interactive Planning Options [page 120]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning	Prepare next release	Administrator/configuration expert	Integration	As announced in SAP IBP 2102, the following OpenAPI versions will no longer be available as of SAP IBP 2108: 1811.0.0_FULL 1811.0.0_TRANS 1811.0.0_OUTBOUND 1811.0.0 If you are using 1811.0.0 OpenAPI versions, you will get a warning about the deprecation, but you can continue to use them in the 2105 release of SAP IBP. Note that these OpenAPI versions will cease to function as of the 2108 release and any jobs that use these OpenAPI versions will fail after the upgrade to 2108. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions. If you haven't already used the 1811.0.0 OpenAPI versions, you cannot schedule a job using them as of the 2102 release of SAP IBP.	Deprecation of OpenAPI Versions [page 115]
Order-based planning	Prepare next release	Administrator/configuration expert	Integration	The following OpenAPI versions will no longer be available as of SAP IBP 2111: 1902.0.0_FULL 1902.0.0_TRANS 1902.0.0_OUTBOUND If you are using 1902.0.0 OpenAPI versions, you will get a warning about the deprecation, but you can continue to use them in SAP IBP 2105 and 2108. Note that these OpenAPI versions will cease to function as of the 2111 release and any jobs that use these OpenAPI versions will fail after the upgrade to SAP IBP 2111. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions. If you haven't already used the 1902.0.0 OpenAPI versions, you cannot schedule a job using them as of SAP IBP 2105.	Deprecation of OpenAPI Versions [page 115]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning	 Mandatory task after upgrade	Administrator/configuration expert	Integration	As announced in SAP IBP 2011, the following 1808.0.0 OpenAPI versions have been deprecated and are no longer available: 1808.0.0_FULL 1808.0.0_TRANS 1808.0.0_OUTBOUND 1808.0.0  Caution Any jobs that use these OpenAPI versions will fail after the upgrade to the 2105 release of SAP IBP. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions.	Deprecation of OpenAPI Versions [page 115]
Order-based planning	Changed	Administrator/configuration expert	Model configuration	We have made several changes in the SAP7 sample planning area to decrease the number of warning messages during planning area configuration. For example, the LOCTYPE attribute is no longer assigned as a root attribute to specific planning levels. Please update your productive planning areas accordingly if you would like to use these changes.	Sample Planning Area Updates [page 121]
Order-based planning	New	Administrator/configuration expert	Model configuration	As of this release, additional demand attributes are added automatically to the copy operator profile when you copy the SAP7 sample planning area with additional demand attributes.	Enhancement of Copy Operator Profiles for Customer Dimension Configuration [page 120]
Order-based planning	New	Administrator/configuration expert	Model configuration	You can now update calculation in the DAYSOFSUPPLY key figure to consider working and non-working days based on planning calendar entries.	Considering Working and Non-Working Days in the DAYSOFSUPPLY Key Figure Calculation [page 123]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Order-based planning User assistance	Changed	Administrator/configuration expert Business user	Web UI	In the <i>Optimizer Parameters</i> tab of the <i>Planning Run Profiles</i> app, we have changed the following UI labels under <i>Horizons in Days</i>: <i>Minimum Transportation Lot Sizes</i> has changed to <i>Minimum Stock Transfer Lot Sizes</i>. <i>Rounding Values for Transportation Lot Sizes</i> has changed to <i>Rounding Values for Stock Transfer Lot Sizes</i>. The new UI labels are more precise: Procurement and stock transfer are the two aspects of transportation. The existing UI labels named <i>Minimum Procurement Lot Sizes</i> and <i>Rounding Values for Procurement Lot Sizes</i> address the first aspect, the newly named labels the second one.	Planning Run Profiles App: Changed UI Labels Under Optimizer Parameters [page 121]
Exception management End-to-end visibility	New	Business user	New SAP Fiori app Role/business catalog	You can use the new <i>Procedure Playbooks</i> app to define standardized procedures for solving supply chain planning issues and share them with other users or user groups. A procedure playbook can provide an overview of the issues that it helps resolve, the possible reasons for the issues, and the possible activities and actions that can be taken to resolve them. When you create, copy, or edit a custom alert definition in the <i>Define and Subscribe to Custom Alerts</i> app, you can now add one or more procedure playbooks to your definition in a new step of the wizard. When a supply chain planning issue is detected in a custom alert, users with whom a procedure playbook has been shared can use the playbook in the <i>Monitor Custom Alerts</i> or <i>Intelligent Visibility</i> app while trying to resolve the issue.	New App: Procedure Playbooks [page 130]
Cross applications	Prepare next release	Administrator/configuration expert Business user	Web UI	As already announced in 2102, SAP IBP will no longer support Internet Explorer 11 as of 2108, following up on Microsoft's end-of-support announcement for Internet Explorer 11 in 2020. Please switch to a different browser supported by SAP IBP by 2108.	End of Support for Internet Explorer 11 [page 123]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Cross applications	Prepare next release	Administrator/configuration expert Business user	Web UI	As already announced in SAP IBP release 2102, the <i>Planning Filters (F1832)</i> app has been replaced by the new <i>Planning Filters (F1832A)</i> app. You can find both apps next to each other on the SAP Fiori launchpad. The old <i>Planning Filters (F1832)</i> app will be removed with the SAP IBP 2108 release. We recommend that you start using the successor app <i>Planning Filters (F1832A)</i> as soon as possible.	Deprecated App: Planning Filters [page 127]
Cross applications	 Must know	Administrator/configuration expert Business user	Web UI	As announced in the previous release, the <i>Change History</i> app has been replaced by the <i>Change History Analysis</i> app. You now need to use the successor app <i>Change History Analysis</i>.	Replaced App: Change History [page 126]
Cross applications	New	Business user	Web UI	In the new original changes view that we added in the <i>Change History Analysis</i> app, you can display interactive changes on the planning level on which they were made by a user. This helps you to identify the origin of a change and to get more information about it. The original changes view is shown on a new tab next to the existing effects view. You can either search for changes directly in the original changes view, or use the navigation function from the effects view to see the original change that caused the effect you're looking at. A new filter for change IDs allows you to filter by specific changes.	Original Changes View Available in the Change History Analysis App [page 125]
Cross applications	New	Business user	Web UI	You can now share views in the <i>Change History Analysis</i> app yourself. This way you no longer need to ask your administrator to share the view for you. Sharing views is handy if you want to discuss changes that have been made to the plan with your colleagues, and you want them to be able to see the same changes as you.	Sharing of Views in the Change History Analysis App [page 126]
Cross applications	New	Business user	Web UI Normalized systems only	When creating, copying, or editing master data entries in the <i>Manage Master Data</i> app, you can now use an enhanced value help. The enhanced value help shows existing dependencies between attributes and helps manage the dependent attributes together. This usability improvement streamlines the data maintenance process for users, thus reducing risks of input error.	Enhanced Value Help in the Manage Master Data App [page 124]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Cross applications Demand planning Inventory optimization	New	Business user	Web UI	The K-means segmentation method is now available in the Manage ABC/XYZ Segmentation Rules app. In ABC segmentation, you can use it to group planning objects with similar volumes based on the segmentation measure. In XYZ segmentation, you can use it to group planning objects with similar coefficients of variation.	K-Means Method for ABC/XYZ Segmentation [page 129]
Cross applications User assistance	New	Administrator/configurator expert Business user	Model configuration	The documentation for disaggregation has been enhanced significantly.	Disaggregation
Cross applications	New	Administrator/configurator expert Business user	Web UI Application job	You can use the new application job template ML Master Data Consistency to train and run machine learning to improve master data quality for planning in SAP IBP. Machine learning learns semantic rules to identify problems in master data and recommend values for correction. This helps reduce manual effort in preparing data for planning.	Machine Learning for Master Data Consistency [page 127]
Exception management End-to-end visibility Order-based planning	New	Business user	Web UI	You can now show order information for supported external key figures in your order-based custom alerts that have been defined for order-based planning in the Monitor Custom Alerts and Intelligent Visibility apps. To enable users to show order information, the administrator needs to enable this feature for the business user role. The business catalog for the Monitor Custom Alerts and Intelligent Visibility apps have been enhanced with the new Order Details restriction type.	Showing Order Information for Supported External Key Figures in Order-Based Alerts [page 131]
Exception management	New	Business user	Web UI	The alerts overview that you can display in the Dashboards - Advanced app now sums up the number of alerts for the same attribute combinations when the alert definition is configured to be aggregated over a time horizon. For example, you have an alert that is aggregated over a time horizon with a subscription (SUB1). This subscription has three alerts and each contains five occurrences for different time periods. In this case, the aggregated results of three alerts (not the exploded non-aggregated value of 15 alerts) are displayed.	Enhancements to Custom Alerts Overview [page 132]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
End-to-end visibility Order-based planning	New	Business user	Web UI	The following new features are now available in the <i>Intelligent Visibility</i> app: • Use the new <i>Customers</i> data layer to display customer information on the geographic map. • The rolling option is now available in the time periods filter to allow the variants to roll over time. • Use the new overview section to show key performance indicators based on filtered data such as the total number of alerts, alerts for top three locations, alerts by severity, snoozed alerts, and locations with alerts.	Enhancements to Intelligent Visibility [page 134]
End-to-end visibility Analytics	New	Business user	Web UI	You can now use the two new percentage data value format options (display percentage values on your charts with no decimal point, or with one decimal point) in the <i>Intelligent Visibility Profiles</i> and <i>Analytics - Advanced</i> apps.	Enhancements to Intelligent Visibility Profiles [page 136]
Analytics	New	Business user	Web UI	The following features are now available in <i>Analytics - Advanced</i>: • You can now display planning notes created in the SAP IBP, add-in for Microsoft Excel or in web-based planning in the table chart type. • Attribute filters are now saved with your charts even if they don't contain values. This way, only the filters you've saved are displayed when you load the chart.	Enhancements to Analytics - Advanced [page 137]
Analytics	New	Business user	Web UI	The following new features are now available in the <i>Dashboards - Advanced</i> app: • You can now add analytics objects to your dashboard while your dashboard contains filtered values. However, the charts you want to add need to be from the same filtered planning area. • If you use filters on the dashboard and then navigate to the <i>Monitor Custom Alerts</i> app from an alert overview tile or an alert subscription tile, the filter values you chose on the dashboard can now be carried over to the <i>Monitor Custom Alerts</i> app as <i>External Ad Hoc Filters</i> and <i>External Planning Filters</i>.	Enhancements to Dashboards - Advanced [page 138]

Business Topics	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Analytics End-to-end visibility	New	Business user	Web UI	With the cascade filters option enabled in your analytics chart, the dashboard filters will now cascade to the next level when drilling down on that chart in the Dashboards - Advanced app. If you add an analytics chart to your Intelligent Visibility profile that has the cascade filters option enabled, the Intelligent Visibility filter values will now cascade to the next level when you drill down on that chart in the Intelligent Visibility app.	Cascading Filters for Drill Downs [page 136]
Security	New	Administrator/configuration expert	New SAP Fiori app Role/business catalog	The Display Static System Audit app is now available in SAP IBP. With this app you can provide static system information to external auditors.	New App: Display Static System Audit [page 139]
Security	New	Administrator/configuration expert	Integration	In the Maintain Client Certificates app, you can now replace client certificates or create signing requests if required.	New Feature in Maintain Client Certificates [page 139]
Security	New	Administrator/configuration expert	Integration	The Technical System Landscape section of the security guide has been updated.	Enhancements to the Technical System Landscape Documentation [page 140]
Security	Changed	Administrator/configuration expert	Web UI	The Maintain Protection Whitelists app has been renamed to Maintain Protection Allowlists .	Maintain Protection Allowlists Has Been Renamed [page 140]

New features introduced in previous releases

If you're interested in what has happened in previous releases, please see [What's New for Previous Releases](#).

1.1 How to Use the What's New Table

Learn how you can use the What's New table for a new release. **In particular, find the tasks that you need to perform immediately after the upgrade to a new release, even if you do not plan to use any new features.**

The table in the section *What's New in SAP Integrated Business Planning <release>* lists all news and changes that come with a new release and can be extensive.

→ Recommendation

Start with identifying the items that require an immediate follow up after the upgrade. To do so, use the respective filter values in the *Types* column. Just click the blue *Filter* in the column header, as shown in the following animation:

Business Topics ▲	Types	Target Groups	Impact	What's New - Headline	What's New - Details
Filter	Filter	Filter	Filter	Search within the column	
	New	Administrator/configuration expert	Model configuration	When you try to activate a planning area that is already being activated by another user you can find this user in the error message and navigate to the activation log of the blocking activation directly.	Model Configuration
Administration	New	Administrator/configuration expert	Application job	A new preview function is available for the Purge Master Data application job. It allows administrators to check which master data is selected for deletion before they run the application job.	Data Lifecycle Management
Administration 	 Must know	Administrator/configuration expert Business user	Web UI Application job	The URL paths for the Application Jobs, Application Jobs Order-Based Planning, and the Application Logs apps have been changed. Users who have stored URLs containing information from the abovementioned apps, for example, in browser favorites or bookmarks, have to manually update the URLs by deleting and re-creating them or by adjusting the URL directly.	Administration
Administration	New	Administrator/configuration expert	Web UI Integration	The Resource Consumption External OData Service allows you to retrieve the SAP HANA Memory and SAP HANA CPU usage of your IBP system.	Administration
Administration	Changed	Administrator/configuration expert	Web UI	In the Manage Attribute Permissions app, you can now copy contents from a Microsoft Excel spreadsheet and paste it into the different fields.	Administration
Administration	New	Administrator/configuration expert	Web UI Integration	The Monitor System Tasks External OData Service allows you to retrieve the tasks that have completed execution. It contains the same information as the Monitor System Tasks app but it does not contain any currently running tasks or tasks that finished in the last 10 minutes. Since it is a read-only service, you cannot create, update, or delete any tasks.	Administration

Here an overview of the tasks and filter values:

Filter Value in Types Column	Task	Urgency	Details
 Mandatory task after upgrade	Accomplish the mandatory post-upgrade tasks.	Mandatory	Post-upgrade activities are sometimes required because although we try, we cannot always avoid “disruptive” changes. Post-upgrade activities may include changing configuration or other settings to make sure that the processes you were using previously are running in the same way after the upgrade. They may also require using a new app for existing business processes. i Note In general, the upgrade does not require you to reactivate your planning area or install a new version of the SAP IBP, add-in for Microsoft Excel. This typically only happens with new features. But there might be exceptions, which you can find in the table by filtering for Mandatory task after upgrade. The need for a planning area enhancement or a new version of the Excel add-in is highlighted where required.
 Must know	Take note of changes that require a changed approach later after the upgrade.	Mandatory	In some cases, a disruptive change does not have an impact on your existing objects or running processes (like items classified with Mandatory task after upgrade). Only if you create objects or start processes later after the upgrade, you need to handle things differently than before the upgrade. For this reason, you need to take note of these changes immediately after the upgrade.
Prepare next release	Start preparing the next (!) release.	Highly recommended	Sometimes, we plan disruptive changes for the next release. Typical examples include the following: • New app A new app introduced in the current release will replace an existing app in the next release. The old app will no longer be available in the next release. Therefore, you need to switch over to the new app by the next release. • Activation checks A warning of an activation check will be changed to an error. You need to fix the related issue by the next release to be able to activate the planning area. We want to let you know about such changes one release ahead, so that your company can prepare for the changes before they become effective.

Filter Value in Types Column	Task	Urgency	Details
Changed	Take note of smaller improvements and round-offs of the user interface or features that you are already using.	Recommended	This category can include, for example, rearranged user interface elements or changed user interface texts, improved checks, and more. You might want to draw your business users' attention to these items because they need to familiarize themselves with the changes. This category does not include new features that enhance the functional scope of SAP IBP. To list changed features, just filter the <i>Types</i> column in the What's New table by <i>Changed</i> .
New	Identify the new features and enhancements that might be interesting for you.	Optional, on demand	Using the new features, you can enhance your business processes

Grouping according to the type – and business topic of course – is a little coarse-grained when it comes to planning your next activities for handling the new release. Therefore, each change comes with tags in the filter in the *Impact* column that help you to determine your post-upgrade activities according to various criteria. You might ask yourself: For which new features would I have to enhance and reactivate my planning areas? Which new features require the installation of the new Excel add-in? Are there any new SAP Fiori apps that can help to improve my business processes - but also require training my business users?

To deep-dive into the details for a particular change, please click the link in the respective table row.

i Note

What's New information is also available in the SAP Fiori apps that have been enhanced, to inform business users about changes directly in the apps they work with.

1.2 What's New History

Overview of changes since the publication of the sneak preview for SAP Integrated Business Planning 2105.

This section covers the following changes:

- Feature round-offs provided with the Hotfix Collections for 2105
- Major enhancements and corrections to the documentation

For **software fixes** for 2105, see SAP Note [3017661](#) (patch collection information note).

What's New History

Document Version	Software Version	Publication Date	Changes
1.5	HFC 7	July 16, 2021	New Software Features None Documentation Enhancements and Corrections Miscellaneous enhancements and corrections
1.4	HFC 6	July 2, 2021	New Software Features None Documentation Enhancements and Corrections Miscellaneous enhancements and corrections
1.3	HFC 5	June 18, 2021	New Software Features None Documentation Enhancements and Corrections Miscellaneous enhancements and corrections
1.2	HFC 4	June 4, 2021	New Software Features None Documentation Enhancements and Corrections Miscellaneous enhancements and corrections

Document Version	Software Version	Publication Date	Changes
1.1	HFC 3	May 21, 2021	New Software Features - With the cascade filters option enabled in your analytics chart, the dashboard filters will now cascade to the next level when drilling down on that chart in the Dashboards - Advanced app. If you add an analytics chart to your Intelligent Visibility profile that has the cascade filters option enabled, the Intelligent Visibility filter values will now cascade to the next level when you drill down on that chart in the Intelligent Visibility app. For more information, see Cascading Filters for Drill Downs [page 136]. - For order-based planning, you can now update calculation in the DAYSOFSUPPLY key figure to consider working and non-working days based on planning calendar entries (see Considering Working and Non-Working Days in the DAYSOFSUPPLY Key Figure Calculation [page 123]). Documentation Enhancements and Corrections Miscellaneous enhancements and corrections

Document Version	Software Version	Publication Date	Changes
1.0	SAP IBP 2105	May 5, 2021	Changes in the What's New since the publication of the sneak preview on April 12, 2021: • UI label changes added in the <i>Optimizer Parameters</i> tab of the <i>Planning Run Profiles</i> app (order-based planning) • Classification of entry for <i>Deprecated App: Configuration</i> changed from <i>Mandatory Task After Upgrade</i> to <i>Must Know</i>. • Additional information added to the entry <i>Planned Upgrade to .NET 5 and Microsoft Edge WebView2</i> about the planned introduction of the new software requirement Microsoft Edge WebView2. • Default value of global variable relevant for integrating planned independent requirements changed. For details, see entry <i>New Template for Integrating Planned Independent Requirements</i> below.
Preliminary What's New	Sneak preview	April 12, 2021	Not applicable

1.3 Normalization

As announced previously, a new normalized data model has been introduced to improve performance, memory utilization, robustness, and scalability.

Technical Details

Types	Prepare next release
Available as of	N/A

Effects on Configuration

All systems are planned to be migrated to this normalized data model in cooperation with the customers prior to the upgrade to SAP IBP 2202. In case you still have non-normalized systems, please ask SAP to normalize them before the upgrade to SAP IBP 2202. To prepare your systems for the normalization migration, please complete the steps described in SAP Note [2885814](#). Key preparation tasks are to look for suppressible errors in your activation logs, correct invalid configurations, and activate your planning areas with full scope. These steps need to be completed before your systems can be normalized by SAP.

i Note

No bug fixes will be provided in the non-normalized systems starting from SAP IBP 2202. As of SAP IBP 2205, features that worked in non-normalized systems previously will work only in normalized systems.

1.4 Identity and Access Management

1.4.1 Maintain Business Roles

With this feature you can assign multiple launchpad spaces to a business role. You can add or remove launchpad spaces on the *Assigned Launchpad Spaces* tab when editing a business role.

Technical Details

Types	Changed
Available as of	2105

Related Information

[How to Create a Space and a Page for a Business Role](#)

1.5 Administration

1.5.1 Enhancements to Export and Import of Software Collections

If your system landscape is enabled for extensibility development, the export and import of extension items, such as model entities, is based on the Adaptation Transport Organizer. You can use the [Export Software Collection](#), [Import Collection](#), and [Extensibility Inventory](#) apps to create software collections, add extension items to software collections, export and import software collections, and check dependencies between various extension items.

Technical Details

Types	Prepare next release
Available as of	N/A

Additional Details

If you have at least two SAP IBP systems in your landscape, for example, a test and a production system, you'll be contacted by SAP to evaluate and plan the next steps for enabling your landscape for extensibility development.

If your landscape isn't yet enabled for extensibility development, the transport of model entities is based on the Change and Transport System in Application Server ABAP and you must continue to use the [Transport Model Entities](#) app. If your landscape is enabled for extensibility development and you start using the [Export Software Collection](#), [Import Collection](#), and [Extensibility Inventory](#) apps, you won't be able to continue to use the [Transport Model Entities](#) app.

Depending on your current landscape setup, the following options are now available:

- If you're working in a two-system landscape, you can create and change extension items in your test system that is enabled for extensibility. You can export the extension items from the test system and import them into your production system using the [Export Software Collection](#) and [Import Collection](#) apps.
- If you're working in a three-system landscape, the export and import mechanism in your landscape will change. You'll only be able to export extension items that have been created or changed in the development system that is enabled for extensibility. You won't be able to export extension items that have been created or changed in your test system. The exported new and changed extension items from the development system are imported into the test system. After a successful test in your test system, you need to forward the export from the development system to allow the import into the production system.

Note that when you export a planning area using the export and import apps, the following dependent entities won't be included automatically in the export and you have to select them manually:

- Attributes
- Master data types
- Time profiles

The model entities that can be transported using the *Transport Model Entities* app can also be exported and imported in your landscape using the *Export Software Collection* and *Import Collection* apps. As of 2105, the following extension items can be exported and imported using either app:

- Navigations to other systems

The following extension items can be exported and imported using only the *Export Software Collection* and *Import Collection* apps:

- Business roles
- SAP Fiori launchpad spaces
- SAP Fiori launchpad pages
- Settings for change history

Effects on System Administration

The *Extensibility - Transport Management - Export* (SAP_CORE_BC_SL_EXP) business catalog is available and must be assigned to the relevant business role to access the *Export Software Collection* app. The *Extensibility - Transport Management - Import* (SAP_CORE_BC_SL_IMP) business catalog is available and must be assigned to the relevant business role to access the *Import Collection* app. The *Extensibility - Extensibility Inventory* (SAP_CORE_BC_EXT_INVENTORY) business catalog is available and must be assigned to the relevant business role to access the *Extensibility Inventory* app.

When all customers have switched to the export and import apps in the upcoming releases, the *Transport Model Entities* app will be deprecated and will be deleted from the SAP Fiori launchpad.

Related Information

[Apps for the Export and Import of Extension Items](#)

[SAP Note 3005534](#) 

1.5.2 Enhancements to Navigations to Other Systems

When you create a navigation from an SAP Integrated Business Planning for Supply Chain app to an SAP GUI system or a Web app, you can now create one of the following:

- Generic navigation

- Order-based navigation

You can now use the new [Custom Alerts - Order Information](#) option to create navigations from the [Monitor Custom Alerts](#) or [Intelligent Visibility](#) app for custom alerts that include order information for external key figure values used in order-based planning.

Technical Details

Types	New
Available as of	2105

Additional Details

An example of generic navigation could be from a custom alert that has a product as a calculation level in the [Monitor Custom Alerts](#) app to the source system of the product. An example of order-based navigation could be from a sales order selected in the [Web-Based Planning](#) app to the source system of the sales order. There are no changes to how you create generic navigations. You can also still create an order-based navigation as a generic navigation. When you choose to create an order-based navigation, however, you no longer need to specify master data type and attributes for the dynamic navigation. Instead, you can now specify the configuration parameters that are required for order-based planning, such as logical system and order element type.

Related Information

[Creating Generic Navigations to Other Systems](#)

[Creating Order-Based Navigations to Other Systems](#)

1.5.3 Enhancements to Integrating with Supported External Map Providers

As an SAP IBP administrator, you can now use the existing communication scenario `SAP_COM_0583` to render map tiles from the Esri map service provider within the geographic visualizations in Control Tower applications such as [Intelligent Visibility](#), [Analytics – Advanced](#), and [Dashboards -Advanced](#).

For more information, see [Integrating with Supported External Map Providers](#).

Technical Details

Types	New
Available as of	2105

1.5.4 Enhancements to System Monitoring Fiori App: Attribute as Key Figure Statistics

You can now use the new card [Attribute as Key Figure Statistics](#) available within the [System Monitoring](#) app. You can use this card to display the number of records created or updated by loading attributes as key figures to the SAP Integrated Business Planning for Supply Chain system.

Technical Details

Types	New
Available as of	2105

Additional Details

With this new card, you can do the following:

- Filter all attributes as key figures within a selected time period
- View the entire list of attributes as key figure uploads from the last seven days when you click the title of the [Attribute as Key Figure Statistics](#) card
- View filtered information of a selected attribute as key figure when you click a specific row on the [Attribute as Key Figure Statistics](#) card
- Export the list of attributes as key figures to an Excel spreadsheet
- Identify the number of attribute as key figure records that are close to the maximum limit or have exceeded the maximum - red for anything above 100% of the maximum number and orange between 80% and 100%
- Use the following default filters available in the [Attribute as Key Figure Statistics](#) overview:
 - [Start Date and Time](#)
 - [Submitted By](#)
 - [Number of Records](#)
 - [Planning Area](#)
 - [Attribute](#)
- Use the following additional filters available by selecting the [Adapt Filters](#) option:

- *Batch ID*
- *Batch Name*

i Note

If you're using a normalized system and the 100% threshold for the number of attribute as key figure records was passed, the master data upload must be analyzed and the parameters used may need to be revised.

Effects on System Administration

Like the other cards within the *System Monitoring* app, the *Attribute as Key Figure Statistics* card also uses the *System Monitoring* (SAP_IBP_BC_SYSMON_PC) business catalog.

Related Information

[Attribute as Key Figure Statistics](#)

1.5.5 New App: Manage Editability Horizons for Key Figures

In normalized systems only, you can use the *Manage Editability Horizons for Key Figures* app to define, for a set of key figures, a restricted time window in which the key figures can be modified.

The editability horizons defined using the app can be assigned to users via business role restrictions. This authorizes users to edit the key figures in restricted time horizons. The user must be already authorized to edit the key figures via the *Key Figures* restriction type and the permission filters assigned to them.

Technical Details

Types	New
Available as of	2105, normalized systems only

Effects on System Administration

The [Manage Editability Horizons for Key Figures](#) (SAP_IBP_BC_KFEH_PC) business catalog is now available and is included in the [Administrator](#) (SAP_BR_ADMINISTRATOR) and in the [Configuration Expert](#) (SAP_BR_CONFIG_EXPERT_IBP) business role templates.

i Note

In non-normalized systems, the system automatically updates the new and changed business roles containing one of the following business catalogs by setting the business role to [Unrestricted](#) in the new [Editability Horizon for Key Figures](#) restriction type:

- SAP_IBP_BC_EXCEL_ADDIN_PC
- SAP_IBP_BC_WBP_PC
- SAP_IBP_BC_WBP_BUPA_CUST_PC
- SAP_IBP_BC_WBP_BUPA_SUP_PC
- SAP_IBP_BC_DBP_PC

This is done even if [Editability Horizons for Key Figures](#) isn't functional in non-normalized systems. The automatic update ensures the backward compatibility of the roles after the systems are normalized.

Related Information

[Manage Editability Horizons for Key Figures](#)

1.5.6 Deprecated App: Maintain Employees

As already announced in the SAP Integrated Business Planning for Supply Chain (SAP IBP) release 2011, the [Maintain Employees](#) (F2288) app has been replaced by [Maintain Employees](#) (F2288a). You can find both apps next to each other on the SAP Fiori launchpad.

The [Maintain Employees](#) (F2288) app will be removed with the SAP IBP 2108 release. We recommend that you start using the successor app [Maintain Employees](#) (F2288a) as soon as possible.

For more information, see [Maintain Employees](#).

Types	Prepare next release
Available as of	N/A

Related Information

1.5.7 Deprecated Job Template: Delete Application Logs

As announced in the SAP Integrated Business Planning for Supply Chain (SAP IBP) release 2011, the [Delete Application Logs](#) application job template has been deprecated and has been removed from the SAP IBP 2105 release.

Since the deletion of the logs is being automatically handled by the system, no further action is required.

However, if you previously made a copy of the template, after your upgrade in SAP IBP 2105, you'll no longer be able to schedule a job using this template.

If you want to schedule a job from a template with multiple steps that includes one step for deleting logs, then you must manually remove the deletion step. Not doing this will result in an error.

After the upgrade to SAP IBP 2105, existing recurring jobs based on the [Delete Application Logs](#) template will continue to run unhampered. Since the step to delete the logs has been disabled, it will do nothing.

Technical Details

Types	Changed
Available as of	2105

1.5.8 Authorizations for Application Job Templates

You can now use authorizations for application job templates to manage private templates defined by other users.

The restriction type [Application Job Template Layer](#) (LAYER_C) is assigned to the [Application Job Management - Application Job Templates](#) catalog and can be used to grant access to private templates of other users by setting the layer to 4 ([Private](#)).

Technical Details

Types	New
Available as of	2105

Effects on System Administration

With the new business catalog *Application Job Management - Application Job Templates* (SAP_CORE_BC_APJ_TPL), you can display, edit, and delete shared and private application job templates created by you and other users. This business catalog is used in the *Administrator* (SAP_BR_ADMINISTRATOR) business role template.

Related Information

[Maintaining Authorizations](#)

1.6 Business Network Collaboration

1.6.1 Granular Forecast Collaboration

You can use this feature if you want to collaborate on a more granular planning level than you would in a typical forecast collaboration process. Up to now, we supported forecast collaboration on a planning level with two root attributes. Now you can collaborate on a planning level with a third root attribute. You can flexibly define this third root attribute, that is, you can choose whether or not to define it, and you can define any third attribute of your choice. For example, you can collaborate on a Location - Product - Production Line level, where Location and Product need to be part of the planning level just like in previous releases and where you can define the Production Line attribute. This allows you to collaborate on production plans.

Technical Details

Types	New
Available as of	2105

Additional Details

Up to now, in a typical forecast collaboration process, you shared your forecast for certain products at certain locations. In other words, you shared your forecast on a planning level with two root attributes, in this case, on Product-Location level. This allowed you to find out if your suppliers could fulfill the demand for certain products that you wanted to source from them.

As of this release, you can also share your forecast on a more granular planning level, that is, you can share it on a planning level with three root attributes. This allows you to model other business cases for your forecast collaboration with one additional root attribute.

❖ Example

You want to outsource the production of one of your products to one of your suppliers and want to collaborate on production plans. To do this, you can now model your forecast collaboration for a planning level with three root attributes, in this case, `Product-Location-Source`. You can then share forecasts for specific production lines with your suppliers, and they can commit to what they can produce on those production lines.

Effects on System Administration

Setting up this new forecast collaboration process requires several steps. The SAP IBP owner needs to map the additional attribute in a data sharing plan and set a new global configuration parameter (see *Effects on Configuration* below). Also, the additional attribute needs to be enabled in the forecast add-on for SAP Ariba Supply Chain Collaboration for Buyers by the SAP Ariba administrator.

Mapping the Third Attribute

Collaboration on a planning level with three root attributes is accomplished by using a cXML element for the inbound and outbound messages that is called a *Characteristic* element. This element has a domain and a value, which you can use to map the third attribute from your planning level to the message and vice versa. The domain and the value are represented by the following new target and source fields:

- The domain of the *Characteristic* element is represented by the *Characteristic 01 Domain* target field for provider plans and source field for consumer plans.
- The value of the *Characteristic* element is represented by the *Characteristic 01 Value* target field for provider plans and source field for consumer plans.

You do the mapping like all other mappings in the data sharing plan. You can either create a whole new data sharing plan or edit an existing data sharing plan. You need to map the third attribute in both a provider plan and a matching consumer plan.

You need to add the domain for the *Characteristic* element as a data sharing plan attribute. The domain should exactly match the expression that is defined in SAP Ariba. Doing this will make it possible to display the attribute in SAP Ariba after it has also been enabled there.

Once you have saved the mapping, you can add it to the arrangement that you want to use for sharing the forecast.

For more information, see [Creating a Mapping](#).

Enabling the Third Attribute in the Forecast Add-On for SAP Ariba Supply Chain Collaboration for Buyers

The SAP Ariba administrator needs to enable the third attribute in SAP Ariba. To show the data for the attribute correctly in the forecast add-on for SAP Ariba Supply Chain Collaboration for Buyers, the SAP Ariba administrator needs to enable the attribute in the forecast add-on. They can do this under [Planning > Settings > Manage Views > Forecast View > Attributes](#).

The attribute needs to be the domain of the *Characteristic* element. The expression on the SAP Ariba UI needs to be the same as the *Characteristic* domain in the data sharing plan.

i Note

If you decide that you no longer want to use this feature, please get in touch with SAP. We can then check if there are any data sharing plan arrangements left for which a third attribute is mapped. This is to help prevent issues with data inconsistencies.

Effects on Configuration

We've introduced the new global configuration parameter `CHECK_ARIBA_CHARACTERISTIC_IN`. For inbound messages that use a *Characteristic* element, this parameter checks if the domain and the value for the *Characteristic* element are mapped to an attribute in SAP IBP for the corresponding data sharing plan. To activate the check, you need to set the global configuration parameter to "X".

Related Information

- [Business Network Collaboration](#)
- [Granularity for Forecast Collaboration](#)
- [Global Configuration Parameters](#)

1.7 Data Integration

1.7.1 Importing Key Figure Data into Scenarios

You can now integrate key figure values into scenarios via the `/IBP/PLANNING_DATA_API_SRV` OData service by defining the version and scenario in the OData request.

Technical Details

Types	New
Available as of	2105, normalized systems only

Effects on Configuration

The new global configuration parameter `MAX_RECORD_IN_SIM_TABLE` can be used to limit the total number of records to be stored in a scenario, which are created when integrating key figure data using the `/IBP/PLANNING_DATA_API_SRV` OData service. Records are created according to the combinations of planning objects and time periods. Note that the number of records can increase significantly after disaggregation.

⚠ Caution

Use this parameter with caution, as setting the limit too high can cause serious performance issues. Verify what your system is capable of sustaining before using the feature productively.

i Note

The default value of the parameter is 0, therefore, to be able to import key figure data into scenarios, you first need to set this global configuration parameter.

1.7.2 Enhancements of Data Integration Using OData Services

Data integration using OData services has been enhanced with the following:

- You can now extract version-dependent master data and import values of multiple key figures into SAP IBP when integrating with SAP Analytics Cloud using the `/IBP/EXTRACT_ODATA_SRV` OData service. Integrating with other external tools via the `/IBP/PLANNING_DATA_API_SRV` OData service now supports extracting key figures, importing values of multiple key figures in one request, and improving performance by sending requests in parallel.
- You can use the new OData v4 service `/IBP/API_PROCMGMT_MANAGE` to extract information about processes from process management in SAP IBP and integrate this information in an external monitoring tool. For more information, see [Extraction of Process Management Data \[page 85\]](#).
- You can use the new OData service `API_RLG_UPLOAD` to upload realignment projects using communication scenario `SAP_COM_0741`. For more information, see [Integrating Realignment Projects](#).
- You can use the new OData service `QueryBusinessUserMetadataIn` to read metadata information for the service `MANAGEBUSINESSUSERIN`. For more information, see [Integrating Business Users from an External Identity Management System](#).

Technical Details

Types	New
Available as of	2105

Related Information

Integrating with SAP Analytics Cloud:

[Extracting Key Figure and Master Data with OData Output](#)

Integrating with external systems:

[Extracting Key Figure Data with OData Output](#)

[Importing Key Figure Data Using OData Service](#)

1.7.3 New Template for Integrating Planned Independent Requirements

There is a new task template for integrating planned independent requirements from SAP IBP to SAP ERP or SAP S/4HANA via SAP Cloud Integration for data services. This template contains a global variable that enables you to keep existing records when integrating up-to-date data.

Technical Details

Types	New
Available as of	2105

Additional Details

In addition to the features of the previous versions of the template, the `IBP_to_ERP_PIR_via_RFC_2105` template enables you to choose not to delete old data when integrating up-to-date information to your on-premise system.

i Note

Use this template only if you are using SAP ERP, Supply Chain Integration Add-On for SAP Integrated Business Planning support package 17 or higher, or SAP S/4HANA, supply chain integration add-on for SAP Integrated Business Planning support package 14 or higher. For lower SP versions, we recommend using the `IBP_to_ERP_PIR_via_RFC` template instead.

Effects on Configuration

If the `$G_DELETE_OLD` global variable is set to 'X', planned independent requirements for the location material are deleted from SAP S/4HANA or SAP ERP before new records are integrated. If it is set to ' ', new records are added to the existing ones and changed data is updated. Note that the default value of the global variable is 'X'.

1.8 Model Configuration

1.8.1 Suppressible Error Expiring in 2105

Suppressible error **S* Calculation &1@&2: Expression doesn't start with aggregation function* turns into an error with **SAP IBP 2105**. This means that after the upgrade to SAP IBP 2105, you can no longer activate your planning areas with limited scope if this error occurs. Correct the invalid configurations to be able to activate your planning areas.

Technical Details

Types	 Must know
Available as of	2105

Effects on Configuration

In the calculation for the key figure at the planning level, the input planning level contains one or more root attributes that aren't root attributes of the output planning level, or the output planning level doesn't contain these attributes at all. Such a calculation is an aggregation, and its calculation expression must start with one of the aggregation functions: SUM, MIN, MAX, AVG, or COUNT.

To correct the configuration and activate with full scope, make one of the following changes:

- Split up the calculation into two calculations: an aggregation and a defaulting. For example, pay attention to the sequence of these calculations.
- In case you assign a value to a key figure, and the output planning level doesn't contain all root attributes of the input planning level, specify the aggregation function (SUM, MIN, MAX, or AVG).
- Choose a different input planning level that has the same set of root attributes as the output planning level.

1.8.2 Suppressible Errors Expiring in Upcoming SAP IBP Releases

The following suppressible errors will turn into errors in the upcoming SAP IBP releases. After that, you can no longer activate your planning areas with limited scope if these errors occur. Correct the invalid configurations to be able to activate your planning areas.

- **S* PL &1 and PL &2: Both cannot be used as base PL of stored key figures*
- **S* Stored values of KFs, with different base PLs, are read from PL &1*
- **S* Calc. &1@&2: PL of input KF &3 has more attr. than base PL &4.*
- **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*
- **S* Calculation &1@&2: Function &3 has incorrect number of parameters.*

Technical Details

Types	Must know
Available as of	2205

Additional Details

For more information about how to fix these errors, see the [Suppressible Errors](#) section in the model configuration guide.

1.8.3 Coverage

You can now use the `IBP_COVERAGE` function to calculate not only days of coverage, but other key figures, for example, **projected stock**.

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

The `IBP_COVERAGE` function has been generalized so that it can be used for different business cases. You can find a sample implementation in the [Model Configuration Guide](#) in section [Projected Stock](#).

1.8.4 Checks for Stored Key Figures Read from Incompatible Input Planning Levels

As part of the normalization project, we provide activation checks that help you to spot and fix erroneous configuration that would prevent the normalization of your data model. These checks indicate if there are calculation definitions where the stored value of a key figure is used at an input planning level other than its base planning level; and whether the input planning level does not have the same set of root and non-root attributes as the base planning level, which is not allowed.

Technical Details

Types	Prepare next release
Available as of	N/A

Effects on Configuration

In calculation definitions, an input planning level where the stored value of a key figure is used must contain the same set of root and non-root attributes as the base planning level.

This is an existing modeling requirement, which is now supported by five activation checks, implemented as suppressible errors. That is, you can only activate a planning area that contains such calculation definitions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution, available for a couple of releases. We recommend that you correct the invalid calculation definitions as soon as possible.

i Note

You will only be able to use the new normalized data model if you correct the invalid calculation definitions in all planning areas. We recommend that you delete all planning areas that you do not use anymore so that you'll only have to fix these issues in the active planning areas.

Correct all your calculations where these errors occur before the upgrade to SAP IBP 2202. Please keep in mind that no bug fixes will be provided in the non-normalized systems starting from SAP IBP 2202. As of SAP IBP 2205, features that worked in non-normalized systems previously will work only in normalized systems.

Stored Values of Key Figures, with Different Base Planning Levels, Are Read from the Same Planning Level

Message: **S* Stored values of KFs, with different base PLs, are read from PL &1*

In multiple key figure calculations, where the stored values of key figures are used at the same input planning level, the key figures cannot have different base planning levels.

All key figures that are used as stored inputs at the same planning level must have the same base planning level.

As of the 1911 release, you can only activate a planning area that contains such calculation expressions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution that is available for a couple of releases. SAP recommends that you correct the invalid calculation expressions, if there are any, as soon as possible.

To identify and correct the invalid calculation expressions, proceed as follows:

1. In the [Planning Areas](#) app, select a planning area, and choose [Check](#).
2. Open the log for the check.
You can navigate to the log from the [Planning Areas](#) app, or you can find the corresponding log in the [Application Logs](#) app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: **S* Stored values of KFs, with different base PLs, are read from PL &1*, where &1 stands for the ID of the input planning level.
4. Before making any corrections, check your activation log and look for the error message [Stored key figure read from an incompatible planning level](#). If you have run into this error during activation as well, fix it first as it might solve the problem of stored key figures with different base planning levels.

If the problem still persists, proceed as follows:

The attachment of the messages in the activation log contains a list of calculations divided into the sections below:

- Calculations where the input planning level of stored key figures is their base planning level.
- Calculations where the input planning level of stored key figures does not match their base planning levels.

Depending on your business requirements, make one of the following changes:

- Use the base planning level of the key figures as the input planning level in the calculation definitions. Change only the calculations where the input planning level (where the stored value of a key figure is used) is not the base planning level of the key figure. As result, all stored key figures will be sourced from their base planning levels, which is the recommended approach.
- If your business requirements justify that you use the stored values of key figures at a planning level other than their base planning levels, create a copy of each base planning level (with the same set of root and non-root attributes), and use the stored value of the key figure at this compatible planning level.
As a result, all stored key figures will be sourced from a planning level that is compatible with their base planning level, that is, they share the same root and non-root attributes.
- Select one of the base planning levels listed in the attachment, and for each key figure use it as its base planning level.
As a result, all stored key figures sourced from the same input planning level will have the same base planning level.

5. Perform a consistency check on the planning area.
6. Activate the planning area.

Input Planning Level Has More Attributes than Base Planning Level

Message: **S* Calc. &1@&2: PL of input KF &3 has more attr. than base PL &4*

In calculation definitions, an input planning level where the stored value of a key figure is used cannot have more attributes than the base planning level of the given key figure. That is, the input planning level of a calculation cannot contain attributes that cannot be sourced from the base planning level.

As of the 1911 release, you can only activate a planning area that contains such calculation expressions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution that is available for a couple of releases. SAP recommends that you correct the invalid calculation expressions, if there are any, as soon as possible.

To identify and correct the invalid calculation expressions, proceed as follows:

1. In the *Planning Areas* app, select a planning area, and choose *Check*.
2. Open the log for the check.
You can navigate to the log from the *Planning Areas* app, or you can find the corresponding log in the *Application Logs* app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: **S* Calc. &1@&2: PL of input KF &3 has more attr. than base PL &4*, where &1 stands for the ID of the key figure, &2 stands for the ID of the planning level, &3 stands for the ID of the input key figure, and &4 stands for the base planning level.
4. For each listed calculation, make one of the following changes depending on your modeling requirements:
 - Use the base planning level of the key figure as the input planning level.
 - If you want to use the extra attributes that are not available from the base planning level, create a calculation (if not yet available) and use the calculated value of the key figure instead of the stored value.
 - Remove these extra attributes from the planning level where the stored value of a key figure is used.
 - Use a planning level that has the same attributes as the base planning level.
5. Perform a consistency check on the planning area.
6. Activate the planning area.

Input Planning Level Does Not Contain All Root Attributes of Base Planning Level; Calculation Doesn't Exist

Message: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*

In calculation definitions, an input planning level where the stored value of a key figure is used must contain all root attributes of the base planning level of the given key figure.

As of the 1911 release, you can only activate a planning area that contains such calculation expressions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution that is available for a couple of releases. SAP recommends that you correct the invalid calculation expressions, if there are any, as soon as possible.

To identify and correct the invalid calculation expressions, proceed as follows:

1. In the *Planning Areas* app, select a planning area, and choose *Check*.
2. Open the log for the check.
You can navigate to the log from the *Planning Areas* app, or you can find the corresponding log in the *Application Logs* app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*, where &1 stands for the ID of the key figure, &2 stands for the ID of the planning level, and &3 stands for the ID of the input key figure.

4. For each listed calculation, make one of the following changes depending on your modeling requirements:
 - Use the base planning level of the key figure as the input planning level.
 - Create a calculation on the input planning level and use the calculated value of the key figure instead of the stored value. If the aggregation level of the input key figure is lower, use [Split Factor Calculation](#); if it is higher, use an aggregation.
 - Use a planning level that has the same attributes as the base planning level.
5. Perform a consistency check on the planning area.
6. Activate the planning area.

Input Planning Level Does Not Contain All Root Attributes of Base Planning Level; Calculation Exists

Message: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*

In calculation definitions, an input planning level where the stored value of a key figure is used must contain all root attributes of the base planning level of the given key figure.

As of the 1911 release, you can only activate a planning area that contains such calculation expressions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution that is available for a couple of releases. SAP recommends that you correct the invalid calculation expressions, if there are any, as soon as possible.

To identify and correct the invalid calculation expressions, proceed as follows:

1. In the [Planning Areas](#) app, select a planning area, and choose [Check](#).
2. Open the log for the check.
You can navigate to the log from the [Planning Areas](#) app, or you can find the corresponding log in the [Application Logs](#) app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*, where &1 stands for the ID of the key figure, &2 stands for the ID of the planning level, and &3 stands for the ID of the input key figure.
4. For each listed calculation, make one of the following changes depending on your modeling requirements:
 - Since there is a calculation already defined on the input planning level, use the calculated value of the key figure instead of the stored value.
 - Use the base planning level of the key figure as the input planning level.
 - Use a planning level that has the same attributes as the base planning level.
5. Perform a consistency check on the planning area.
6. Activate the planning area.

Input Planning Level Does Not Contain All Root Attributes of Base Planning Level; Calculation Is Not Used

Message: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*

In calculation definitions, an input planning level where the stored value of a key figure is used must contain all root attributes of the base planning level of the given key figure.

Furthermore, the calculation is not used in any REQUEST level calculation in the calculation graph.

As of the 1911 release, you can only activate a planning area that contains such calculation expressions if you suppress these errors and activate the planning area with limited scope. This is a temporary solution that is available for a couple of releases. SAP recommends that you correct the invalid calculation expressions, if there are any, as soon as possible.

To identify and correct the invalid calculation expressions, proceed as follows:

1. In the [Planning Areas](#) app, select a planning area, and choose [Check](#).
2. Open the log for the check.
You can navigate to the log from the [Planning Areas](#) app, or you can find the corresponding log in the [Application Logs](#) app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: **S* Calc. &1@&2: PL of input KF &3 doesn't contain root attr. of base PL.*, where &1 stands for the ID of the key figure, &2 stands for the ID of the planning level, and &3 stands for the ID of the input key figure.
4. If you do not want to create a REQUEST level calculation in the calculation graph that is based on this calculation, delete this calculation and all other calculations that are built on it.
If you want to use the calculation, make one of the following changes depending on your business requirements:
 - Use the base planning level of the key figure as the input planning level.
 - Create a calculation (for example, an aggregation) on the input planning level and use the calculated value of the key figure instead of the stored value.
 - Use a planning level that has the same attributes as the base planning level.
5. Perform a consistency check on the planning area.
6. Activate the planning area.

1.8.5 New App: Key Figure Groups

You can use this new app to create, edit, or delete key figure groups. Predefined key figure groups allow more efficient handling of large numbers of key figures in the supported SAP IBP application areas, since all key figures in the group can be assigned at once, without the need to select the relevant key figures one by one.

Technical Details

Types	New
Available as of	2105

Additional Details

You can define any groupings of key figures based on your business needs. When creating a new key figure group, you need to specify the planning area that the group belongs to and you can add any number of key figures included in the planning area to the group. You can add the same key figure to several different groups.

You also need to specify the SAP IBP application area in which the key figure group is to be available. As of SAP IBP 2105, key figure groups can be used for creating planning views in the SAP Integrated Business Planning, add-in for Microsoft Excel or realignment projects in the [Manage Realignment Rules](#) app.

Effects on System Administration

To use the app, you need to make sure that one of the following business catalogs is assigned to your role:

- SAP_IBP_BC_PLANMODEL_CF_PC
- SAP_IBP_BC_PLANMODEL_PC

Related Information

[Defining Key Figure Groups](#)

1.8.6 Deprecated App: Configuration

As previously announced, the [Configuration](#) app has been deprecated and is no longer available.

Technical Details

Types	 Must know
Available as of	2105

Additional Details

As of SAP IBP 1911, the [Planning Areas](#) app has fully replaced the [Configuration](#) app for creating and configuring planning areas. It provides all the functions of the [Configuration](#) app.

As of the 2105 release, the [Configuration](#) tile is no longer available on the SAP Fiori Launchpad and you can no longer request temporary access to the [Configuration](#) app.

Please use the enhanced functions provided by the [Planning Areas](#) app for all your configuration tasks.

Related Information

[Planning Areas](#)

1.8.7 Creation of Copy and Disaggregation Operators Disabled in Planning Operators App

You can no longer create copy (COPY) and disaggregation (DISAGG) operators in the [Planning Operators](#) app.

Technical Details

Types	 Must know
Available as of	2105

Additional Details

As of the 2002 release, the [Copy Operator Profiles](#) app has been available for creating the [Copy Operator \(Advanced\)](#), which combines the features of the copy (COPY) and disaggregation (DISAGG) operators. SAP has recommended using the new [Copy Operator \(Advanced\)](#) instead of the old operator types, but if you were upgraded from SAP IBP 2002 or an earlier release, until 2102 you could still use the old operator types just as before, including creating new ones.

As of SAP IBP 2105, you can no longer create copy and disaggregation operators in the [Planning Operators](#) app, but if you have existing operators of these types in your system, you can still display, modify, and use them. The copy and disaggregation operators are marked as deprecated in the [Planning Operators](#) app. In the upcoming releases consistent operators of these types will be migrated to the [Copy Operator Profiles](#) app.

Related Information

[Copy Operator Profiles](#)

[Preparing Automatic Migration of Copy and Disaggregation Operators](#)

1.8.8 Activation Check for Fixing-Enabled Key Figures with a Wrong Generated Key Figure Assignment

As previously announced, as of the 2005 release you can only activate a planning area containing the error [*S*Key Figure &1 has generated key figure assignment problem](#). if you suppress the error and activate the planning area with limited scope.

The error will become non-suppressible in the 2108 release, therefore we recommend that you resolve the inconsistency as soon as possible.

Technical Details

Types	Prepare next release
Available as of	N/A

Additional Details

To identify and correct the inconsistency, proceed as follows:

1. In the *Planning Areas* app, select a planning area, and choose *Check*.
2. Open the log for the check.
You can navigate to the log from the *Planning Areas* app, or you can find the corresponding log in the *Application Logs* app by filtering for the external identifier, which is *PA: <ID of the planning area>*.
3. Look for the following entry: *Key Figure &1 has generated key figure assignment problem*.
4. For each listed key figure, perform the following steps:
 1. Activate the planning area, choosing *Limited Scope, with Dependencies* or *Limited Scope, No Dependencies*. There will be cases when your activation fails. Go on to step *b* nevertheless.
 2. Deselect the *Enable Fixing* checkbox and save the key figure.
 3. Select the *Enable Fixing* checkbox and save the key figure.
 4. Again: deselect the *Enable Fixing* checkbox and save the key figure.
 5. Again: select the *Enable Fixing* checkbox and save the key figure.

i Note

These two steps might seem redundant but they are needed for resolving some special cases of the problem, therefore should not be skipped.

6. Perform a check on the planning area, and – provided it doesn't contain any errors – perform a full-scope activation. If the planning area does contain errors, choose *Limited Scope* for your activation.

Related Information

[Suppressible Errors](#)

1.8.9 Activation Check For Fixing-Enabled Key Figures with a Version Assignment Problem

As previously announced, as of the 2008 release you can only activate a planning area containing the error **S* Key Figure &1 has version assignment problem in Version &2* if you suppress the error and activate the planning area with limited scope.

The error will become non-suppressible in the 2108 release, therefore we recommend that you resolve the inconsistency as soon as possible.

Technical Details

Types	Prepare next release
Available as of	N/A

Additional Details

To identify and correct the inconsistency, proceed as follows:

1. In the [Planning Areas](#) app, select a planning area, and choose [Check](#).
2. Open the log for the check.
You can navigate to the log from the [Planning Areas](#) app, or you can find the corresponding log in the [Application Logs](#) app by filtering for the external identifier, which is PA: <ID of the planning area>.
3. Look for the following entry: [Key Figure &1 has version assignment problem in Version &2](#).
4. For each listed key figure, perform the following steps:
 1. Deselect the [Enable Fixing](#) checkbox for the key figure.
 2. If the key figure isn't assigned to the version, assign it and save it.
 3. Select the [Enable Fixing](#) checkbox and save the key figure again.
 4. Perform a check on the planning area, and - provided it doesn't contain any errors - perform a full-scope activation. If the planning area does contain errors, choose [Limited Scope](#) for your activation.

Related Information

[Suppressible Errors](#)

1.8.10 Usability Enhancements in Apps for Model Configuration

To support navigation, more efficient handling of objects, and understanding of configuration details, various new features have been introduced for the following apps:

- [Planning Areas](#)
- [Compare Planning Areas](#)
- [Sample Model Entities](#)

Technical Details

Types	New
Available as of	2105

Additional Details

You can now do the following in the [Planning Areas](#) app:

- Replace an L script calculation expression with a regular calculation expression in a single step. On the [Key Figure](#) (details) screen, a new [Edit](#) button is available for calculation definitions including an L script, which allows you to replace both active and inactive L script calculation expressions with another calculation expression. Please keep in mind that this change may be irreversible. If your planning area was active before the change, you can recover the L script by restoring the active instance of the planning area or the key figure. If that option is no longer available, you need to contact SAP to get the L script re-created.
- View the list of key figures in whose configuration an attribute is used by choosing the [Show](#) button for the item in the [Key Figures](#) column of the [Attributes](#) table on the [Attributes](#) tab. Based on the exact usage of the attribute, the key figures are arranged in the following groups:
 - [Calculation Expression](#)
 - [Attribute Transformation](#)
 - [Disaggregation Expression](#)
 - [Display Format](#)
- Select multiple attributes for deletion when editing a planning level.
- Check the normalization status of your system on the [General](#) tab of the [Planning Area](#) (details) screen.

You can now do the following in the [Compare Planning Areas](#) app:

- Use the new [View Details](#) buttons available on the [Compare Planning Areas](#) screen to directly navigate to the details of the planning areas (or planning area states) that you are comparing in the relevant app. You can view the details of a custom planning area (state) in the [Planning Areas](#) app and the details of a sample planning area (state) in the [Sample Model Entities](#) app.
- Use the [View In](#) buttons to navigate to the [Planning Areas](#) app, or the [Sample Model Entities](#) app to view the details of various planning area subobjects as they exist in the relevant planning area (state).
- Quickly navigate between [Different](#) items on the comparison results screen for various planning area subobjects using the ▼ ([View next different item](#)) and ▲ ([View previous different item](#)) buttons.
- Navigate to other apps for model configuration using the [Related Apps](#) button.

The [Sample Model Entities](#) app has been enhanced with a new flexible column layout and to align with the [Planning Areas](#) app the following changes have been implemented:

- The [Download](#) and [Compare in CSV](#) buttons have been replaced with the [Planning Area Details](#) and [Comparison of Planning Areas](#) buttons, respectively, which are now available in the dropdown for the  (Export to CSV files) menu button.
- The [Compare on UI](#) button has been replaced with the [Compare](#) button. You can now choose this button for a comparison of planning areas in the [Compare Planning Areas](#) app.

Related Information

[Compare Planning Areas](#)

[Planning Areas](#)

[Sample Model Entities](#)

1.8.11 Quick View of Differences Between Modeling Entities or Historical States of an Entity

You can now quickly get an understanding of the nature of differences between two modeling entities or two successive historical states without having to open the relevant details screen or navigating to a different app. The new quick view is available for various modeling entities, in various apps for model configuration.

Technical Details

Types	New
Available as of	2105

Additional Details

On the [Compare Planning Areas](#) screen of the [Compare Planning Areas](#) app, a new [Differences](#) column is available. For items that exist in both planning areas but with differences, the number of differences between the two occurrences is shown by a number hyperlink in the relevant row. By choosing the hyperlink, you can open a quick view of different characteristics and subobjects.

In the [Planning Areas](#), [Time Profiles](#) and [Master Data Types](#) apps, if you navigate to the second (deltas) screen of the [Planning Area History](#), [Time Profile History](#), or [Master Data Type History](#) dialog displayed upon choosing [Show History](#), you can find a new [Differences](#) column. By choosing [Show](#) for any of the deltas, you can open a quick view of differences between the delta selected and the previous delta.

1.8.12 Preparing Automatic Migration of Copy and Disaggregation Operators

As announced in 2102, the copy (COPY) operator and disaggregation (DISAGG) operator are being deprecated and will be replaced by the [Copy Operator \(Advanced\)](#), which offers all of the features of the existing operators. You can easily migrate copy (COPY) operators and disaggregation (DISAGG) operators using the import

feature in the [Copy Operator Profiles](#) app. Alternatively, you can wait for the automatic migration that is planned with the upgrade to 2108.

Inconsistent operators can't be migrated. From now on, the system triggers a weekly migration in simulation mode. The weekly simulation allows you to identify inconsistent operators by checking the application log. To prepare for the automatic migration, please correct all inconsistent operators or delete them if they're obsolete.

Technical Details

Types	Prepare next release
Available as of	2102

1.8.13 Enhancements to [Copy Operator \(Advanced\)](#)

A number of new processing features and usability enhancements have been added to the [Copy Operator \(Advanced\)](#) and [Copy Operator Profiles](#) app.

Technical Details

Types	New
Available as of	2105

Additional Details

The following enhancements are now available in the [Copy Operator Profiles](#) app:

- The technical prerequisites for parallel processing of base level copy have been reduced. Parallel processing can now be used in more cases. For more information, see [Processing of Key Figures](#).
- Previously, time-independent key figures were only supported as source key figures in copy operator profiles if they had a time-dependent request level calculation. This restriction no longer applies.
- With the new option [Allow User to Change Time Selection](#), you can define that the profile is always executed with the time selection defined in the profile. If you set it to [No](#), the time selection from the profile is used for the execution and users can't select a time range when scheduling the operator in the SAP IBP, Add-In for Microsoft Excel or in the [Application Jobs](#) app.
- You can now specify in the application job template [Copy and Disaggregate Key Figure Operator](#) whether you want to use the time selection from the profile at the time of the execution. If the option [Use Time](#)

Selection from Profile is set to *Yes* and the time selection in the profile changes between scheduling a copy operator with this profile and its execution, the system considers this change.

- Copy operator profiles are, by default, visible in the SAP IBP, Add-In for Microsoft Excel. If they aren't relevant for business users, you can now hide them by deselecting the *Display* option.
- When defining attribute selections, you can use the selection option *contains* for external key figures.
- You can easily navigate from an application log entry for the *Copy Operator (Advanced)* to the *Copy Operator Profiles* app.

Related Information

[Copy Operator Profiles](#)
[Copy Operator \(Advanced\)](#)

1.8.14 Support of Write Permission Filters for Copy Operator (Advanced)

You can now use write permission filters to limit the data that is processed by the *Copy Operator (Advanced)* according to the user's permissions. To prevent users from accidentally changing data they're not authorized to change, you can specify in the copy operator profile whether you want the system to consider write permission filters. This setting is optional.

The system doesn't check write permissions for existing or migrated copy operator profiles.

Technical Details

Types	New
Available as of	2105, normalized systems only

Additional Details

If you select *Consider Permission Filter (Write)* in the *Copy Operator Profiles* app, the system checks for all copied values whether the user has write permissions for the associated planning objects on detail level. If the user lacks permission, the values aren't copied and a warning is added to the log.

Please note that the checking of permission filters is an additional step that may increase run time.

Related Information

[Copy Operator \(Advanced\)](#)

[Permission Filters in SAP IBP Applications](#)

1.9 Unified Planning Area (SAPIBP1)

1.9.1 Harmonization of Planning Level Descriptions

All descriptions of planning levels in the SAPIBP1 sample planning area have been harmonized according to the following pattern: <Root time attribute> | <Root attribute 1> | ... | <Root attribute n>.

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the SAPIBP1 sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.2 Update of Time Profile Description

The description of the time profile with the ID [12](#), which is used in the SAPIBP1 sample planning area, has been updated to *SAPIBP1 - D TW CW M Q Y*.

Technical Details

Types	Changed
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Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.3 Adjustment of Planning Level ID

To make the ID of the `WKCOMPALTCOMPSRC` planning level consistent with the IDs of other planning levels of the `SAPIBP1` sample planning area, it has been changed to `WKCOMPALTCOMPSRCLOC`. This way, you can now see all its root attributes in the ID. The planning level's root attributes have not been changed.

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.4 Provision of Two *BestFit* Forecast Models

Two *BestFit* forecast models are now offered, one for products in segment A and B, and one for products in segment C. They replace the previous *Best Fit Forecast* forecast model.

The reason to split the forecast model is that the auto-ARIMA/SARIMA algorithm requires more calculations to be performed than other forecasting algorithms. To optimize performance, you can now run the *BestFit_Segment_AB* forecast model, which includes the auto-ARIMA/SARIMA algorithm, for products in segment A and B, and the *BestFit_Segment_C* forecast model, which does not include the auto-ARIMA/SARIMA algorithm, for products in segment C.

Technical Details

Types	New
	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.5 Removal of Sample Forecast Model *TripleExponentialSmoothing*

The sample forecast model for *TripleExponentialSmoothing* is not used in the SAP Best Practices for SAP Integrated Business Planning. It has therefore been removed from the `SAPIBP1` sample planning area.

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.6 Assignment of Key Figures

Several key figures related to time-series-based supply planning were so far not assigned to the downside version and upside version in the `SAPIBP1` sample planning area. They have now been assigned.

Technical Details

Types	New
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.7 Update and Extension of Key Figure Descriptions

All key figures of the `SAPIBP1` sample planning area have received more detailed descriptions. The extra information can be helpful, for example, when you create planning views in the SAP Integrated Business Planning, add-in for Microsoft Excel, where descriptions are displayed when you hover over the key figure name in the list of key figures.

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.8 Configuration for *Forecast Error Over Lead Time Interval*

To support the new *Forecast Error Over Lead Time Interval* feature, the `SAPIBP1` sample planning area now has new key figures and planning levels. Existing key figures and planning levels have also been adjusted.

For more information, see [Calculating Forecast Error over Leadtime \[page 94\]](#).

Technical Details

Types	New
	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.9 Enhancement for Dynamic Lag

Dynamic lag now also requires the `IOLAGFECVTYPE` and `IOLAGFORECASTERRORCVTYPE` key figures as input. For more information, see [Changes to Dynamic Lag for Propagation of Forecast Error \[page 98\]](#).

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the `SAPIBP1` sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.9.10 Visibility of Substitute Product's Amount in TOTALCONSTRAINEDDEMAND

The new SUBSTOTALCONSTRAINEDDEMAND key figure on the newly added WKPRODCUSTSPRD and WKPRODCUSTSPRDUOMTO planning levels in the SAPIBP1 sample planning area shows what amount of the TOTALCONSTRAINEDDEMAND key figure is fulfilled by the substitute product.

Technical Details

Types	New
Available as of	2105

Effects on Configuration

You can either copy the 2105 version of the SAPIBP1 sample planning area or manually follow up on these changes. For a detailed description of the changes, see the [IBP 2105 for Cross Topics: SAPIBP1 Planning Model Template](#) document.

1.10 SAP IBP, Add-In for Microsoft Excel

1.10.1 New Excel Add-In Version

With SAP Integrated Business Planning 2105, the SAP IBP, add-in for Microsoft Excel (Excel add-in) 2105.2.0 is available. For more information about the versions of the Excel add-in, see SAP Note [2394311](#).

Technical Details

Types	New
Available as of	2105

i Note

In general, the upgrade to SAP IBP 2105 does not require that you install the new version of the Excel add-in. You can decide to install it at any point in time when you wish to use the new features; however when you

do, please note that .NET Framework 4.8 or higher is required for the new version of the Excel add-in. The new features that become available with the Excel add-in 2105.2.0 are described in the 2105 documentation.

Related Information

[Planned New Minimum Version of the SAP IBP, Add-In for Microsoft Excel \[page 75\]](#)

[Planned Upgrade to .NET 5 and Microsoft Edge WebView2 \[page 76\]](#)

1.10.2 Planned New Minimum Version of the SAP IBP, Add-In for Microsoft Excel

We are planning to raise the **minimum required SAP IBP, add-in for Microsoft Excel (Excel add-in) version** to **2005.2.0** with the upgrade to SAP IBP 2111, planned for November 2021.

Technical Details

Types	Prepare next release
Available as of	2111

Effects on Business Users

After the upgrade of the backend systems to SAP IBP 2111, users who try to connect to the SAP IBP system with versions of the Excel add-in older than 2005.2.0, will not be able to log on.

Effects on System Administration

We recommend that you take the following mitigation steps well in advance of the change:

- Download and roll out a newer version of the Excel add-in to your user base.
- Check the [System Monitoring -> Session Statistics for Excel Add-In](#) app to identify the users that are affected, and have them upgrade the Excel add-in in time.
- You can also set a warning for your users some time before the SAP IBP 2111 upgrade using the global configuration parameter `MINIMUM_ADDIN_VERSION`. You can enter a minimum add-in version, for example [2005.2.0](#). Users who are using versions of the Excel add-in older than what you set in the

parameter get a warning when logging on to SAP IBP via the Excel add-in. For more information, see [Global Configuration Parameters](#).

i Note

This change does not impact the maintenance window for the Excel add-in versions. Versions are in maintenance and supported for 6 months. We are committed to keep versions whose support window has ended compatible with newer SAP IBP backends, but we no longer provide support for them. It is strongly recommended to upgrade the Excel add-in at least annually to benefit from the security, stability, performance, and feature enhancements.

1.10.3 Planned Upgrade to .NET 5 and Microsoft Edge WebView2

With the upcoming SAP IBP, add-in for Microsoft Excel 2108.2.0, which is planned to be released in August 2021, we are planning to introduce the following new software requirements:

- .NET 5.0
- Microsoft Edge WebView2 (This requirement might be postponed to the 2111.2.0 version of the SAP IBP, add-in for Microsoft Excel.)

Technical Details

Types	Prepare next release
Available as of	2108

Effects on System Administration

It will be **mandatory** to install .NET 5.0 and Microsoft Edge WebView2 before you can install the 2108.2.0 version of the Excel add-in. (If the requirement for Microsoft Edge WebView2 is postponed to the 2111.2.0 version, you'll need to make sure Microsoft Edge WebView2 is installed before you install the 2111.2.0 version of the Excel add-in.)

You can find the installation files in the following locations:

- .NET 5.0: <https://dotnet.microsoft.com/download/dotnet/5.0> ➦, choose *.NET Desktop Runtime 5.0.5*
- Microsoft Edge WebView2: <https://developer.microsoft.com/en-us/microsoft-edge/webview2/#download-section> ➦, choose *Evergreen Standalone Installer*

1.10.4 Enhanced Visualization of Key Figure Editability

The new concept for key figure editability lets you define which time period should be editable per key figure in a more flexible way. It allows you to define more flexible editability horizons, for example, you can define if a key figure should only be editable in the next 10 days, or not editable in the upcoming 4 weeks relative to the current date. The SAP Integrated Business Planning, add-in for Microsoft Excel (Excel add-in) has new formatting rules that you can use to visualize the editability of key figures in the planning views.

Technical Details

Types	New
Available as of	2105

Additional Details

Setting Up Editability Horizons

You can define editability horizons for key figures in the new [Manage Editability Horizons for Key Figures](#) app. For more information, see [Manage Editability Horizons for Key Figures](#).

i Note

The [Manage Editability Horizons for Key Figures](#) app is only available in normalized systems. However, the formatting rules that you can use to visualize the editability of key figures in the Excel add-in are available in non-normalized and normalized systems. For more information on normalization, see SAP Note [2885767](#).

Visualizing Editability in the Excel Add-In

Enhanced formatting rules, available as of 2105 in the enhanced SAP IBP formatting sheet, support the visualization of key figure editability. The following options are available:

- [Default Format for Editable Cells](#)

In this rule, you can define a format for cells in the planning view that are editable for users.

This is the **only rule you need to use to format the editability of cells correctly**, as opposed to previous versions of the Excel add-in, where it was necessary to apply a number of formatting rules to achieve the same result. We recommend that you use this setting to increase the usability of planning views.

i Note

The settings you make for key figure editability in the [Manage Editability Horizons for Key Figures](#) app are visualized correctly only when you use the [Default Format for Editable Cells](#) rule.

- [Default Format for Non-Editable Cells](#)

In this rule, you can define a format for cells that are not editable for users.

This rule is not used in the SAP IBP sample template for planning views, as in the sample template non-editable cells are formatted with a background color, and it is enough to format editable cells. For more information, see SAP Note [1790530](#).

The new rules also work with existing key figure settings for editability, for example, *Editable in the Current and Future Period*

i Note

We recommend that you use the new formatting rules either in the row or the column area, due to their impact on performance. The header formatting is not affected by this. For more information, see [Formatting Rules to Visualize Key Figure Editability](#).

Related Information

[Formatting Rules to Visualize Key Figure Editability](#)

1.10.5 Enhanced SAP IBP Formatting Sheet

You can use the formatting sheet to apply your own formatting to your planning views. We have simplified the formatting sheet options that were available before 2105, and made them easier to use. The simplification also helps to reduce the effort for template administrators by minimizing the number of rules that need to be set up to achieve basic formatting of the planning views in templates.

Technical Details

Types	Changed
Available as of	2105

Additional Details

Since the 2005.2.0 version, the SAP Integrated Business Planning, add-in for Microsoft Excel (Excel add-in) has been technically independent of SAP EPM-based add-ins. However, in the formatting sheet, there were still some settings that belong to the SAP EPM formatting sheet, and are not applicable to SAP IBP.

What Has Changed

In most cases, the settings that were only used in SAP EPM had no effect on the formatting of your planning views. We've reworked the formatting sheet options, so that they only contain settings that are relevant for SAP IBP, as follows:

- In the section formerly called *Hierarchy Level Formatting*, we've left the default formatting option, and removed the formatting options for lower levels of the hierarchy.
- In the section formerly called *Dimension Member/Property Formatting*, we've removed the *Custom Member Default Format* option, and renamed the formatting options listed in the table below.
- We've removed the *Page Axis Formatting* section.

We've renamed the formatting sheet to *SAP IBP Formatting Sheet*, and changed the following elements in the formatting sheet:

Old Name	New Name	Changes
<i>Hierarchy Level Formatting</i>	<i>Default Formatting</i>	The rules you set up in this section using a previous version of the Excel add-in are automatically merged with the rules in the <i>Default Formatting</i> section. The new, merged rule is used to format the planning view to achieve the same formatting as you previously got using 3 rules in the <i>Hierarchy Level Formatting</i> section .
<i>Dimension Member/Property Formatting</i>	<i>Member/Property Formatting</i>	No changes. The settings that you previously made within this rule are preserved in the new SAP IBP formatting sheet.
<i>Calculated Member Default Format</i>	<i>Default Format for Non-Editable Cells</i>	The settings that you previously made within this rule are preserved in the new SAP IBP formatting sheet. However, the formatting results might differ from what you are used to, as we have corrected and enhanced the formatting logic. Previously, the formatting rules yielded unexpected results in some constellations, and they weren't recommended to be used.
<i>Inputable Member Default Format</i>	<i>Default Format for Editable Cells</i>	
<i>Local Member Default Format</i>	<i>Default Format for Local Member Cells</i>	No changes. The settings that you previously made within this rule are preserved in the new SAP IBP formatting sheet.
<i>Changed Member Default Format</i>	<i>Default Format for Changed Cells</i>	No changes. The settings that you previously made within this rule are preserved in the new SAP IBP formatting sheet.

i Note

The settings you make in the [Default Format for Editable Cells](#) rule are the formatting settings that are to be applied to cells where the key figure values are editable. This is the **only rule you need to use to format the editability of cells correctly**, as opposed to previous versions of the Excel add-in, where it was necessary to apply a number of formatting rules to achieve the same result. We recommend that you use this setting to increase the usability of planning views.

What Remains the Same

The migration from the previous version of the formatting sheet happens automatically, when you open a saved planning view or template with the 2105 version of the Excel add-in. There are no manual steps necessary before you can start working with the new SAP IBP formatting sheet.

The planning views you created with older versions of the Excel add-in are not affected by the simplification of the formatting sheet, and the formatting that you are used to remains available.

The new SAP IBP formatting sheet is compatible with previous versions of the Excel add-in. If you save a template using the new SAP IBP formatting sheet, it can still be opened and used in older versions of the Excel add-in.

We've migrated rules and settings that worked from a technical perspective before, so if you used them in the previous version of the Excel add-in, you'll be able to use them in the 2105.2.0 version as well.

Related Information

[SAP IBP Formatting Sheet](#)

1.10.6 Grouping of Key Figures

Administrators can set up groups for key figures based on different grouping criteria, for example, by roles, business processes, or tasks. For example, you can create a group for key figures that you want to use in demand planning. You can add a key figure to one group, multiple groups, or no group, as needed.

End users can use the key figure groups to find and select the key figures that are relevant for a specific task or process in an easier way. The key figure groups can be found in the [New View](#) and [Edit Planning View](#) dialogs, on the [Key Figures](#) tab.

Technical Details

Types	New
Available as of	2105

Effects on System Administration

You have to set up the key figure groups for each planning area in the [Key Figure Groups](#) app if you want to use them in the Excel add-in, or another app.

Related Information

[Grouping of Key Figures](#)

[Key Figure Groups in the Excel Add-In](#)

[New App: Key Figure Groups \[page 60\]](#)

[Key Figure Groups](#)

1.10.7 Sharing and Organization of Attribute-Based Filters

We have improved the way you can manage your attribute-based filters. You can share attribute-based filters using the [Organize](#) option, and organize them using the [Move](#) dialog.

Technical Details

Types	New
Available as of	2105

Additional Details

You can share attribute-based filters using the [Organize](#) option, in the following ways:

- In the [SAP IBP](#) ribbon
- In the [New View](#) and [Edit Planning View](#) dialogs, in the [Filters](#) tab

If you want to extend sharing to additional users for multiple filters, you might find that the users with whom these filters have already been shared might differ from filter to filter. In case not all of the filters that you select for sharing are shared with the same users, the names of the users that not all of the filters are shared with are shown in italic and with a filled checkbox. To share all of the filters with such users, click the filled checkboxes.

You can also add new users with whom all filters that you selected are to be shared, by selecting their names in the list.

If you decide that you don't want to see attribute-based filters that other users have shared with you, you can remove the filters from your list of filters by dragging them to the [Opt-Out](#) folder, or by selecting the filters and clicking [Move](#).

To move attribute-based filters to different folders than the one they are located in, you can use the [Move](#) dialog. You can select multiple filters at the same time, and move them to another folder, or create a new folder for them.

Related Information

[Sharing Filters with Other Users](#)

[Resharing Filters](#)

[Opting Out of Shared Filters](#)

[Organizing Filters into Folders](#)

1.10.8 Improved Search

We have improved the search function in SAP Integrated Business Planning, add-in for Microsoft Excel (Excel add-in). You can use the new search in search bars of the Excel add-in that have two buttons with the text [Aa](#) and [Ab](#) on the right side of the search bar.

You can use it in the following ways:

- Search for exact strings, including string fragments (also available with the old search).
- Search for all search terms entered in the search bar. The search hits include all entered search terms, and the order of search terms does not influence the search results.
For example, previously, the key figure [Consensus Demand without Promotions](#) was found only if you entered the search term [Consensus Demand](#), but not if you searched for [Demand Consensus](#). As of 2105, you can use both search terms to find the key figure.

You'll find new buttons added to the search bar with the text [Aa](#) and tooltips [Match Case](#) and [Match Whole Words](#). You can use them as follows:

- Match case: if you select this option, the search will take into account whether a search character is upper or lower case. It lets you narrow down your results to a list of terms that are written using the same case as the search term. For example, if you search for [Word](#) and click [Match Case](#), the Excel add-in will find [Word](#), [Words](#), [Wording](#), but not [word](#).
- Match whole words: if you select this option, you can narrow down your search results to occurrences of whole search terms. If the option is selected, you must use full search terms to get search results. For example, if you search for [Word](#) and click [Match whole words](#), the Excel add-in will find [Word](#), [word](#), and [My Word](#), but not [Words](#) or [Wording](#).

You can use these options in combination with each other.

The search now works with words containing some diacritics. It does so by substituting the diacritical character with the nearest non-diacritical character. For example, if the word [Völker](#) exists in the system, you can search for it by entering the search words [Volker](#) or [Völker](#). You can also search for words containing other diacritics, such as [é](#) or [á](#).

Technical Details

Types	Changed
Available as of	2105

1.10.9 Removing a Global Configuration Parameter

As of release 2105, the `PARTIAL_READ_ACTIVE` global configuration parameter **becomes a technical parameter**. This means that customers will no longer be able to configure it themselves, only by request through SAP support. We are also reactivating the parameter for all customers who had deactivated it previously.

We recommend that you prepare for this change before it takes effect. If you wish to use the parameter without having to contact SAP support, make sure that the parameter value is set to `YES` in your system before upgrading to release 2105.

Technical Details

Types	 Must know
Available as of	2105

Related Information

[Global Configuration Parameters](#)

1.10.10 User Guide for SAP IBP, Add-In for Microsoft Excel

We've added a link to the *User Guide for SAP IBP, add-in for Microsoft Excel* from the SAP IBP, add-in for Microsoft Excel. You can now open the *User Guide for SAP IBP, add-in for Microsoft Excel* from the [About](#) group of the [SAP IBP](#) ribbon by choosing  [Help](#) .

The user guide helps end users learn how to work with the SAP IBP, add-in for Microsoft Excel and understand the features and business processes supported by the Excel add-in.

Technical Details

Types	New
Available as of	2105

Related Information

[End-User Guide for SAP IBP, Add-In for Microsoft Excel](#)

1.11 Web-Based Planning

1.11.1 Minor UI Changes in the *Web-Based Planning* App

The column headings for attributes and key figures in the settings of a web planning view have been renamed to harmonize UIs. The functionality of these columns is unchanged. The changes are as follows:

- The column headings for attributes have been renamed to *ID* and *Description*.
- The column headings for key figures have been renamed to *ID* and *Name*.

Technical Details

Types	Changed
Available as of	2105

Related Information

[Web-Based Planning](#)

1.11.2 Use of Versions with Version-Specific Master Data

In previous releases, you could only add versions to your planning view that shared the master data with the base version. As of this release, you can also use versions that have version-specific master data.

Technical Details

Types	New
Available as of	2105

Related Information

[Web-Based Planning](#)

1.12 Process Management

1.12.1 Extraction of Process Management Data

You can use the new OData v4 service `/IBP/API_PROCMGMT_MANAGE` to extract information about processes from SAP IBP and integrate this information in an external monitoring tool. For example, you can extract various process management-related data such as information about the process, individual steps, tasks, or other details on process-step level. Using this information, you can keep track of all or specific processes to see if you need to take immediate action and assess whether there is a risk of missing any deadlines.

Technical Details

Types	New
Available as of	2105

Effects on System Administration

To use the service, you need to set up the communication arrangement based on the new *Planning - Process Management* (SAP_COM_0749) communication scenario.

Related Information

[Extracting and Managing Process Management Data](#)

1.13 Demand Planning

1.13.1 Manual Forecasting for New Products

You can now define settings for manual forecasting on the [Forecast Dates](#) tab of the [Manage Product Lifecycle](#) app. The forecasts for these dates are based exclusively on the relevant parameters for manual forecasting and don't require reference products.

This approach is useful if no reference product is available or if the potential references aren't similar enough to the new product, for example, regarding trend or seasonality. Using the manual forecast option, you can create a forecast for the new product that's based on your planning experience.

Technical Details

Types	New
Available as of	2105

Additional Details

To work with manual forecasting, select the [Manual Forecasting](#) option in the [Manage Forecast Models](#) app.

In the [Manage Product Lifecycle](#) app, select [Use Manual Forecasting](#) and enter a base value, unit of measure, and periodicity. You can optionally enter a trend value and trend dampening factor and assign a seasonality curve.

Related Information

[Manual Forecasting](#)

1.13.2 Creation of Missing Planning Objects for New Products

You can now create the missing planning objects of a new product by copying the planning objects of a reference product using a planning object action. Previously, this was only possible using the upload feature. The system creates planning objects for all planning levels of the selected key figures. By default, all key figures your administrator preselected for the planning object check in the [Settings for Product Lifecycle](#) app are suggested, but you can add or delete key figures as needed. If the same planning level is used in several key figures, it's only considered once.

Technical Details

Types	New
Available as of	2105, normalized systems only

Effects on System Administration

You can optionally preselect key figures for planning object creation in the [Settings for Product Lifecycle](#) app. You can also specify whether you want the system to check if values exist for the selected key figures.

Related Information

[Create Missing Planning Objects](#)

1.13.3 Key Figure Groups in Data Realignment

You can use this feature to simplify the key figure selection in realignment, especially when you regularly select the same set of key figures in realignment projects. Using key figure groups reduces the effort of manually selecting key figures. Key figure groups also help to simplify the upload of realignments projects.

Technical Details

Types	New
Available as of	2105

Additional Details

You create the key figure groups for realignment in the [Key Figure Groups](#) app using the [Where Used](#) category [Realignment Projects](#). Only stored key figures can be assigned to key figure groups for realignment.

The system checks if the key figures assigned to the selected key figure group can be used with the attribute mapping defined in the realignment step.

Effects on Configuration

Related Information

[New App: Key Figure Groups \[page 60\]](#)
[Manage Realignment Rules](#)

1.13.4 Upload of Realignment Projects Using OData Service

The OData service `API_RLG_UPLOAD` is now available to upload realignment projects using communication scenario `SAP_COM_0741`.

Projects can be uploaded with the status *In Preparation*, *In Review*, and *Approved*. Uploaded projects can, for example, be scheduled manually or using an external scheduling tool. The upload service doesn't execute the project.

Technical Details

Types	New
Available as of	2105

Related Information

[Integrating Realignment Projects](#)
[Uploading Realignment Projects](#)

1.13.5 Demand Sensing at Any Level

You can now run demand sensing at any aggregation level.

Technical Details

Types	New
Available as of	2105

Additional Details

Previously, you could only use demand sensing algorithms when you ran the forecast calculation on product ID - location ID - customer ID level or assigned the business meanings of these master data attributes to other attributes that you chose. In the latter case, you also needed to create a new planning level with the adjusted attributes as roots and assign all demand sensing-related mandatory technical key figures to that new planning level. It was also mandatory to use exactly three attributes for the aggregation level.

From the current release, however, you can choose any aggregation level for demand sensing application jobs without having to assign the previously required business meanings to the attributes in the chosen level. You can also run demand sensing on multiple aggregation levels and choose more than three attributes for each level if you wish.

However, you should keep the following in mind when choosing the aggregation level:

- Demand sensing can still only be run on the daily time profile level.
- The root attributes of the master data types containing the attributes you select for the aggregation level should also be included in the base planning level of the target key figure for the forecast. Attributes such as Lag or UoMTo cannot be used for this reason.
- Product lifecycle information cannot be considered by demand sensing if you change the default aggregation level, which is the base planning level of the target key figure for the forecast.

Effects on Business Users

Due to technical changes that make demand sensing at any level possible, the number of decimals is automatically set to six for values stored in the following key figures:

- `SENSEDEMANDQTY` / Sensed Demand Qty
- `PROMOBASELINE` / Sales History w/o Promotions
- All intermediate output key figures

This change takes effect in all planning areas that were created for demand sensing before SAP IBP 2105.

Effects on Configuration

If you want to use more than one aggregation level for demand sensing, you need to create a different forecast model for each level and specify the key figures in which the various technical outputs should be stored for the

selected level. A new section called *Configuration Expert View* is available for this in the *Manage Forecast Models* app after you select the demand sensing (full) or demand sensing (update) algorithm and switch the toggle button on.

i Note

We recommend that you only change the default settings in the new section if you are an advanced user of SAP IBP for demand.

Related Information

- Run Statistical Forecasting
- Demand Sensing with Multiple Linear Regression (Full)
- Demand Sensing with Multiple Linear Regression (Update)

1.13.6 Categorical Variables for Auto-ARIMAX/SARIMAX

For each independent variable you choose for the *auto-ARIMAX/SARIMAX* algorithm in the *Manage Forecast Models* app, you can now specify whether it is or isn't a categorical variable.

Technical Details

Types	New
Available as of	2105

Additional Details

Categorical variables allow the algorithms to learn from sales patterns connected to events in the past that are expected to occur again in the future in varying periods. You can mark the past and future periods of holidays, sport events, promotion campaigns, and many other events in this way.

For example, a holiday such as Easter has a different date each year. If you define a categorical variable for the holidays, you can choose to save a number such as 100 in it for Easter, and the algorithm will interpret that number as a code, not as a value. It will learn that sales values are higher in the weeks marked by 100 and forecast higher sales values for future periods with the same code.

Effects on Business Users

The checkbox you can use to set an independent variable as categorical is disabled by default. You can enable it both in existing and new forecast models if you wish.

Related Information

[Auto-ARIMAX/SARIMAX](#)

1.13.7 Trend Handling by Gradient Boosting

The gradient boosting of decision trees algorithm can now consider trends and change points at the same time. Previously, it could either handle time series with trends or change points, but not both.

Technical Details

Types	New
Available as of	2105

Additional Details

The enhancement allows the algorithm to calculate the forecast for time series with trend even if the *Consider Change Points* option is selected for the algorithm in the *Manage Forecast Models* app. In addition, the algorithm is not excluded anymore from the options when the system is set to choose the best forecast when multiple algorithms are available.

Related Information

[Gradient Boosting of Decision Trees](#)

1.13.8 Enhanced Filtering in the Manage Forecast Automation Profiles App

New filtering options are available on the [Time Series Properties](#) screen of the [Manage Forecast Automation Profiles](#) app. They allow you to limit the list of planning objects by the number and dates of change points that were identified for them based on the selected forecast automation profile.

Technical Details

Types	New
Available as of	2105

Additional Details

If you have run a forecast automation application job to detect change points in the time series of planning objects on the selected target calculation level, you can now filter the set of displayed planning objects by one or more of following characteristics:

- The relative quantity of change points in the time series (for example, greater than or equal to a certain number)
- The date of the last change point in the time series
- The number of change points in a given time period, which can be defined as any of the following:
 - Period range
 - Multiple periods
 - Previous N periods
 - Next N periods

These three types of filters can be combined for more specific results. For example, you can filter for planning objects that had at least two change points in their time series last year and the last change point is not older than three months.

Related Information

[Manage Forecast Automation Profiles](#)

1.13.9 Renamed Settings in the Manage Forecast Models App

The following settings of the demand sensing (full) algorithm have been renamed:

- [Default Uplift Balancing Periods](#)
- [Default Baseline Demand Balancing Periods](#)
- [Default Maximum Baseline Demand Balancing %](#)

The new names are the following:

- [Uplift Balancing Periods](#)
- [Baseline Demand Balancing Periods](#)
- [Maximum Baseline Demand Balancing %](#)

The changes don't have any impact on the ways these settings are applied.

Technical Details

Types	Changed
Available as of	2105

Related Information

[Demand Sensing with Multiple Linear Regression \(Full\)](#)

1.13.10 New Global Configuration Parameters for Forecasting

The following new global configuration parameters are available in the `FORECAST` parameter group:

- `USERGROUP_MANDATORY_JOB_FILTER`
This parameter allows you to make the use of planning filters mandatory for the members of a certain user group when they schedule or run statistical forecasting application jobs. You can create a user group specifically for this purpose and use its name as the parameter value.
- `FA_MIN_PACKAGE_SUCCESS_REQ`
This parameter allows you to define when the system should consider a [Forecast Automation](#) application job successful. The default value of the parameter is `SINGLE`, meaning that the status of the application job is set as successful if at least one of the packages were successfully processed and saved.
If you change the value to `ALL`, the execution will only be registered as successful if all packages in the application job have been processed successfully.

Technical Details

Types	New
Available as of	2105

Related Information

[Global Configuration Parameters](#)

1.14 Inventory Optimization

1.14.1 Calculating Forecast Error over Leadtime

You can use this feature in the [Manage Forecast Error Calculation – Inventory Optimization](#) app to calculate forecast error over lead time using daily historical sales and forecast data. This allows you to address inventory planning needs for short-term replenishment planning for high velocity products.

Technical Details

Types	New
	Changed
Available as of	2105

Additional Details

To calculate forecast error over lead time:

1. Using the [Manage Forecast Error Calculation – Inventory Optimization](#) app, create a forecast error calculation profile with a calculation level that includes the daily time profile level.
2. When creating groups of forecast error measures, choose the option [Forecast Error Over Lead Time Interval](#).

i Note

To calculate forecast error as you would in past releases, choose [Forecast Error at Lead Time](#), and configure the groups of error measures as normal.

- For the input settings, choose *Daily IO Sales* for the *Sales History Key Figure*, and either *Daily IO Lagged Demand Forecast* or *IO Weekly Lagged Historical Forecast Error CV* for the *Forecast Key Figure*.

i Note

IO Weekly Lagged Historical Forecast Error CV is a transformation of *IO Weekly Historical Forecast Error CV* to a lag-based historical forecast error coefficient of variation. You can use this key figure as a substitute for *Daily IO Lagged Demand Forecast* as an input into the *Global (multi-stage) inventory optimization* operator.

- Under output settings, for measures to calculate, choose the following:
 - For *Period Coefficient of Variation (CV)*, choose *IO Period Historical Forecast Error CV* as the output key figure. You can choose either MAPE or MAD to base the calculation upon.
 - For *Weekly Coefficient of Variation (CV)*, choose *IO Weekly Historical Forecast Error CV* as the output key figure.
- Continue configuring the rest of the settings as you would previously.

Effects on Configuration

To be able to calculate forecast error over leadtime, the following changes must be made to your planning area. They've been made to the `SAP3` and `SAPIBP1` sample planning areas, so you can use those as a reference.

Time Profile Setting

If your planning area isn't already configured to use the daily time profile (`PERIODID0`) and `DAYWEIGHT` attribute, you must add them.

For more information, see [Time Profile Settings](#).

Master Data Type

Add the following master data type:

`INTERVAL` (Master Data Type ID: `IBPINTERVAL`)

Field	Value
<i>Name</i>	<i>Interval</i>
<i>Description</i>	<i>Interval</i>
<i>Type</i>	<i>Simple</i>

Attributes for Master Data Type Interval

Attributes	Attribute Description	Key (X)	Required (X)	Referenced Attribute	Notes
LEADTIMEINTERVAL	<i>Lead Time Interval</i>	X	X		Lead time interval defined by Periodicity of Calculation Level in Forecast Error Calculation Profile, for example day, week, month, quarter, year.

For more information, see [Master Data Types](#).

Planning Levels

Add the following planning levels:

- DAYPRODLOCCUSTGROUP
- DAYPRODLOCCUSTGROUPUOMTO
- DAYPRODLOCCUSTGROUPLAG
- DAYPRODLOCCUSTGROUPLAGUOMTO
- PRODLOCCUSTGROUPINT
- DAYPRODLOCCUSTGROUPINT
- DAYPRODLOCCUSTGROUPINTLAG
- DAYPRODLOCCUSTGROUPINTLAG2

For more information, see [Planning Levels](#).

Key Figures

Add the following input key figures:

Key Figure ID	Name	Base Planning Level	Definition	More Information
DAYIOLAGFORECAST	<i>Daily IO Lagged Demand Forecast</i>	DAYPRODLOCCUSTGROUPLAG	Daily lag-based forecast input.	
DAYIOSALES	<i>Daily IO Sales</i>	DAYPRODLOCCUSTGROUP	Daily actual sales.	

Key Figure ID	Name	Base Planning Level	Definition	More Information
IOLAGFORECASTERRO RCVTYPE	<i>IO Lag Forecast Error CV Type</i>	WKPRODLOCCUSTGROU PLAG	Dynamic lag-based forecast error coefficient of variation type for inventory optimization.	When set to 0, this is equivalent to user defined CV type. Dynamic lag logic is not applied to multi-stage inventory optimization. When set to 1, this is equivalent to system calculated CV type. Dynamic lag logic is applied to multi-stage inventory optimization.
LAG	<i>Lag</i>	DAYPRODLOCCUSTGRO UPINTLAG	Attribute transformation key figure.	

Add the following helper key figures for input key figures:

Key Figure ID	Name	Base Planning Level	Definition	More Information
HCONVDAYIOLAGFORE CAST	<i>Helper Key Figure</i>	DAYPRODLOCCUSTGRO UPLAG	Helper key figure supporting UOM conversion for input key figure DAYIOLAGFORECAST.	
HCONVDAYIOSALES	<i>Helper Key Figure</i>	DAYPRODLOCCUSTGRO UP	Helper key figure supporting UOM conversion for input key figure DAYIOSALES.	

Add the following output key figures:

Key Figure ID	Name	Base Planning Level	Definition	More Information
IOLAGFECVTYPE	<i>IO Lag Forecast Error CV Type Output</i>	PRODLOCCUSTGROUPL AG	Dynamic lag-based forecast error coefficient of variation type output of forecast error calculation.	When set to 0, this is equivalent to user defined CV type. Dynamic lag logic is not applied to multi-stage inventory optimization. When set to 1, this is equivalent to system calculated CV type. Dynamic lag logic is applied to multi-stage inventory optimization.
PERIODIOCV	<i>IO Period Historical Forecast Error CV</i>	PRODLOCCUSTGROUPI NT	Daily-based historical forecast error coefficient of variation per lead time interval.	
WEEKLYIOCV	<i>IO Weekly Historical Forecast Error CV</i>	PRODLOCCUSTGROUPI NT	Conversion of PERIODIOCV to weekly historical forecast error coefficient of variation per lead time interval.	
WEEKLYLAGIOCV	<i>IO Weekly Lagged Historical Forecast Error CV</i>	DAYPRODLOCCUSTGRO UPLAG	Transformation of WEEKLYIOCV to lag-based historical forecast error coefficient of variation.	May be an input substitute for IOLAGFORECASTERRORCV.

For more information, see [Key Figures](#).

1.14.2 Changes to Dynamic Lag for Propagation of Forecast Error

Proper algorithm processing for dynamic lag calculation in inventory optimization requires forecast error profiles to determine whether the forecast error coefficient of variation supports lag-based outputs. In the 2011 release, the master data type SOURCECUSTGROUPLAG was added to the sample planning areas used for inventory optimization (SAP3 and SAPIBP1) to support the output attribute *Forecast Error CV Type*. However, the functional flexibility of the forecast error profiles requires the addition of two new key figures:

- *IO Lag Forecast Error CV Type Output* (IOLAGFECVTYPE)
- *IO Lag Forecast Error CV Type* (IOLAGFORECASTERRORCVTYPE)

Technical Details

Types	Changed
Available as of	2105

Effects on Configuration

To properly use dynamic lag for the propagation of forecast error, the following changes must be made to your planning area. They've been made to the SAP3 and SAPIBP1 sample planning areas, so you can use those as a reference.

Add the following key figures:

Key Figure ID	Name	Base Planning Level	Definition	More Information
IOLAGFORECASTERRO RCVTYPE	<i>IO Lag Forecast Error CV Type</i>	WKPRODLOCCUSTGROU PLAG	Dynamic lag-based forecast error coefficient of variation type for inventory optimization.	When set to 0, this is equivalent to user defined CV type. Dynamic lag logic is not applied to multi-stage inventory optimization. When set to 1, this is equivalent to system calculated CV type. Dynamic lag logic is applied to multi-stage inventory optimization.
IOLAGFECVTYPE	<i>IO Lag Forecast Error CV Type Output</i>	PRODLOCCUSTGROUPL AG	Dynamic lag-based forecast error coefficient of variation type output of forecast error calculation.	When set to 0, this is equivalent to user defined CV type. Dynamic lag logic is not applied to multi-stage inventory optimization. When set to 1, this is equivalent to system calculated CV type. Dynamic lag logic is applied to multi-stage inventory optimization.

For more information, see [Key Figures](#).

i Note

Dynamic lag for propagation of forecast error works in conjunction with calculating forecast error over leadtime, a feature also introduced in 2105. For more information about this feature, see [Calculating Forecast Error over Leadtime \[page 94\]](#).

1.15 Demand-Driven Replenishment

1.15.1 Integration between SAP IBP and SAP S/4HANA for Demand-Driven Replenishment

This feature allows you to use SAP IBP demand-driven replenishment to set and size DDMRP buffers while also running demand-driven planning and execution in SAP S/4HANA.

Technical Details

Types	New
Available as of	2105

Additional Details

In the integrated demand-driven replenishment process for SAP IBP for Supply Chain and SAP S/4HANA, the first three components of DDMRP are performed primarily within SAP IBP for demand-driven replenishment, while the last two are performed within SAP S/4HANA for demand-driven replenishment. That is, buffer positioning, sizing, and adjustment are all performed in SAP IBP. Using SAP Cloud Integration for data services, decoupling points and buffer zones are passed to SAP S/4HANA, and a job is triggered in SAP S/4HANA to update decoupled leadtime values. Replenishment planning and execution takes place in SAP S/4HANA.

Effects on Data Integration

For this process, two APIs from SAP S/4HANA are used: `API_PRODUCT_SRV` and `API_PROD_TIMEDPDNTSTCK_SRV`. See the SAP API Business Hub at <https://api.sap.com/>  for more information.

You import data from an SAP S/4 HANA system to SAP IBP using SAP Cloud Integration for data services. The data includes:

- Historical and future demand data that has been aggregated to a daily quantity (including future forecast and past shipments)
- Master data updates

You integrate this data to SAP IBP using SAP Cloud Integration for data services. Use the following templates to transfer the data:

- IBP_DDR_MD_ERP_AddOn (see [IBP_DDR_MD_ERP_AddOn](#))
- IBP_DDR_KF_ERP_AddOn (see [IBP_DDR_KF_ERP_AddOn](#))

The decoupling points and buffer zones are integrated from SAP IBP to SAP S/4HANA system using SAP Cloud Integration for data services. The template `CPI-DS_IBP_DDR_to_S4_DCP_via_API` is available to transfer new decoupling points or to revert them back, if necessary. The template `CPI-DS_IBP_DDR_to_S4_Buffer_Integration_via_API` is used to transfer the buffer zones.

For more information, see [IBP_DDR_to_S4_DCP_via_API](#) and [IBP_DDR_to_S4_Buffer_Integration_via_API](#) in the SAP Cloud Integration Guide.

For detailed, step-by-step information on the integration process, see [DDMRP Supply Generation with SAP S/4HANA for Demand-Driven Replenishment](#). This procedure includes the steps taken in both SAP IBP and in SAP S/4HANA for the entire process.

1.15.2 Changes to the DDMRP Buffer Status Monitoring App

A new netflow integrity chart and table view have been added to the decoupling point details page in the [DDMRP Buffer Monitoring](#) app. Also, you can add seven additional product and location attributes to the main report, and those can be used to filter, sort, and group product locations.

Technical Details

Types	New
Available as of	2105

Additional Details

New Chart and Table for Decoupling Point Details

To view the new netflow integrity chart or table, select the arrow (➤) in the last column on the right, and a detailed view of that decoupling point displays. Then select either the [Net Flow Integrity Chart](#) tab or the [Net Flow Integrity](#) tab.

The chart visualizes the historical compliance of supply generation to DDMRP order recommendation. It displays the netflow position (snapshot) within buffer zones. The length of chart is determined by the [Date Horizon](#) field on the main page. When order recommendations are followed, netflow position most often moves between green and yellow zones.

The following tables list the sources of the information displayed:

Column Name	Source	Comment
Calendar Date	DATE	There's a row in the table for each day, from today to the date horizon.
Net Flow Position	For current date: DDNETFLOWPOSITION For past dates: DDNETFLOWPOSITIONSNAP	
Net Flow Status	DDBUFFERSTATUS	
Net Flow Color	When one of the following key figures equals 1, its related color is used: • ALERTDDBUFFERBLUE, color is blue, label is Blue • ALERTDDBUFFERGREEN, color is green, label is Green • ALERTDDBUFFERPURPLE, color is purple, label is Purple • ALERTDDBUFFERRED, color is red, label is Red • ALERTDDBUFFERYELLOW, color is yellow, label is Yellow i Note Only one of these key figures at a time can have the value 1.	
Top of Red	DDTOPOFREDDLTSHIFT	
Top of Yellow	DDTOPOFYELLOWDLTSHIFT	
Top of Green	DDTOPOFGREENDLTSHIFT	
Red Zone	DDREDFINALDLTSHIFT	
Yellow Zone	DDYELLOWFINALDLTSHIFT	
Green Zone	DDGREENFINALDLTSHIFT	

New Filters for Main View

In addition, you can add the following filters to the main report to filter, sort, and group product-locations:

Filter Label	Master Data Type Attribute
<i>Location Description</i>	LOCDESCR
<i>Region</i>	LOCREGION
<i>Location Type</i>	LOCTYPE
<i>Product Description</i>	PRDDESCR
<i>Product Family</i>	PRDFAMILY
<i>Planning Unit</i>	PLUNITID
<i>Planner</i>	PLANNER

You can add these filters by selecting [Settings](#) (⚙️) and selecting the filters you want to use.

Related Information

[DDMRP Buffer Status Monitoring](#)

1.15.3 Changes to the DDMRP Buffer Analysis App

You can now add filters to the filter bar in the [DDMRP Buffer Analysis](#) app, and use them to filter the list of decoupling points displayed by the app.

Technical Details

Types	Changed
Available as of	2105

Additional Details

Filters can be modified by selecting [Filters](#) and choosing additional filters.

Related Information

[Creating and Running Scenarios in DDMRP Buffer Analysis](#)

1.15.4 Key Figure Added to Demand-Driven Replenishment

The new DDDECOUPPOINTCHANGEINDICATOR key figure indicates the change of a decoupling point in comparison to yesterday's status.

Technical Details

Types	New
Available as of	2105

Effects on Configuration

The following key figure was added for technical applications, and we recommend you add it to your DDMRP-based planning area. The key figure has also been added to the SAP8 sample planning area, so you can use that as a reference.

Key Figure ID	Name	Base Planning Level	Definition	More Information
DDDECOUPPOINTCHANGEINDICATOR	<i>Decoupling Point Change Indicator</i>	DAYPRODLOC	0 = no change, non-decoupling point before and after 1 = change in decoupling status (For current status, see the MRPTYPE master data type attribute) 2 = no change, decoupling point before and after	Indicates change of a decoupling point in comparison to yesterday's status.

Related Information

[Key Figures](#)

1.16 Driver-Based Planning

1.16.1 Changes in the *Driver-Based Planning App*

The value help for selecting key figures has been reworked to show only key figures that are relevant for working with drivers, that is, key figures that have the attribute `Driver ID` as a root attribute in their base planning level. This makes the list of key figures to select from easier to scan.

The column headings for driver attributes, planning level attributes, and key figures have been renamed to harmonize UIs. The functionality of these columns is unchanged. The changes are as follows:

- The column headings for driver attributes and planning level attributes have been renamed to *ID* and *Description*.
- The column headings for key figures have been renamed to *ID* and *Name*.

Technical Details

Types	Changed
Available as of	2105

Related Information

[Driver-Based Planning](#)

1.16.2 Calculated Key Figures in the *Driver-Based Planning App*

You can now add calculated key figures to a driver planning view. This can be handy, for example, if you have a calculated key figure that shows the overall value of a driver and that is calculated on the basis of other stored editable key figures in the driver planning view. This allows you to get a better picture of the impact of a driver.

❖ Example

You have the stored editable key figure `Risk Volume` in your driver planning view that you use to capture the risk volume for each driver. This key figure serves as an input key figure to the calculated key figure

Risk Value. The calculation for the **Risk Value** key figure is **Risk Volume** * **Price**. If you have both these key figures in your driver planning view, and you change the **Risk Volume** key figure, you can see how this change affects the **Risk Value** key figure, which helps you understand the impact of the driver.

Technical Details

Types	New
Available as of	2105

Additional Details

The type of the key figure is indicated by an icon in various places throughout the app so you can distinguish key figures at a glance.

Note that you need to add at least one stored editable key figure to the driver planning view. Without at least one stored editable key figure, creating, replacing, or copying drivers is not possible.

→ Tip

If you want to view only calculated key figures, you can use a planning view in the [Web-Based Planning](#) app.

Key figures that are both stored and calculated are treated like stored key figures.

Because calculated key figures are not editable, cells in the driver planning view containing the values of these key figures are grayed out. In the separate driver view, they are shown as display only.

You can find more information in the UI help of the [Driver-Based Planning](#) app.

1.17 Time-Series-Based Supply Planning

1.17.1 Extra Information in Planning Run Statistics

In normalized systems only, extra information is now available in the statistics provided after a planning run, to help you resolve any issues or when trying to improve performance. Statistics are available for all key figures used in the planning run, and for all master data types that might possibly be used in the planning run.

We've also changed the way the statistics are presented to you; they're now provided as attachments to the application log, instead of in the business log as previously. One attachment is for key figures, while the other is for master data types.

Technical Details

Types	Changed
Available as of	2105, normalized systems only

Related Information

[Planning Run Statistics](#)

1.17.2 Late Delivery for Inter-Subnetwork Demand

We've made some changes to the late delivery for inter-subnetwork demand feature (only available with the time-series-based supply planning optimizer and the time-series-based supply planning finite heuristic). There's a new key figure *Amount of IPU Demand Delivered Late at Lane* (IPUDELIVEREDLATELANE) and the behavior of the *Amount of IPU Demand Delivered Late* (IPUDELIVEREDLATE) existing key figure has changed.

IPUDELIVEREDLATELANE is available in the SAP4 and SAPIBP1 sample planning areas.

The values for the new output key figure IPUDELIVEREDLATELANE are automatically copied, period by period, from the IPUDELIVEREDLATE output key figure for all sources that connect the receiving location product to a selected upstream location product. If you only select the downstream subnetwork or only a subset of connected upstream subnetworks, this key figure remains unchanged from the previous planning run.

The change to the existing output key figure IPUDELIVEREDLATE is that if you only select the downstream subnetwork or only a subset of connected upstream subnetworks, its values are now cleared, with no new values being calculated. Previously they weren't recalculated but showed values from the optimizer or finite heuristic's previous run.

Technical Details

Types	New Changed
Available as of	2105

Effects on Business Users

Be aware that the values in `IPUDELIVEREDLATE` are now cleared if you only select the downstream subnetwork or a subset of connected upstream subnetworks.

Related Information

[Late Delivery](#)

1.17.3 Time-Series-Based Supply Planning Finite Heuristic Supports Non-Storable Customer and Location Products

The time-series-based supply planning finite heuristic now supports non-storable customer products and location products (considered as a soft constraint), but only for transports. This means that you can now use the `MAXINVENTORY` key figure and the `INVHOLDINGPOLICY` attribute of the [Location Product](#) master data type with the finite heuristic.

Outgoing transports of a location product are brought forward so that in each period, projected stock remains at or below the value you've defined in `MAXINVENTORY`.

Production is still planned as late as possible.

Technical Details

Types	New
Available as of	2105

Related Information

[Maximum Key Figures](#)
[Location Product](#)

1.17.4 Time-Series-Based Supply Planning Optimizer Now Respects Aggregated Constraints During Time Aggregation

In normalized systems only, aggregated constraints during time aggregation are now respected by the time-series-based supply planning optimizer, whereas previously they weren't.

For example, if you've defined minimum and maximum aggregated constraint key figures for the weekly time-aggregation horizon, they're added up and set as the minimum or maximum aggregated constraint key figure for the weekly period. But if, for at least one day in a week, no maximum aggregated constraint key figure has been set, this doesn't happen. The values are only added up and set as the maximum aggregated constraint key figure for the week if a maximum aggregated constraint key figure has been set for each day of the week.

For both minimum and maximum aggregated inventory constraints, no changes are applied for aggregated weeks because the inventory itself isn't being aggregated; the aggregated inventory constraints are considered as they are.

Technical Details

Types	New
Available as of	2105, normalized systems only

Related Information

[Technical Implications](#)

1.17.5 New Key Figure *Total Customer Receipts for a Substitute Product*

We have added the *Total Customer Receipts for a Substitute Product* (SUBSTTOTALCONSTRAINEDDEMAND) key figure to the SAP4 sample planning area. It provides insight into the customer demand for a specific product that has been fulfilled by a specific substitute product.

Technical Details

Types	New
Available as of	2105

Related Information

[Product Substitution](#)

1.18 Order-Based Planning

1.18.1 Names of Multiple Forecast Key Figures Shown in OBP Apps

In transactional OBP apps, the key figure names from the planning area are now shown for multiple forecast key figures that have been assigned in the [Settings for Order-Based Planning](#) app. Filters and column headings in the following apps have been enriched with this information:

- [Projected Stock](#)
- [Analyze Supply Usage](#)
- [View Gating Factors](#)
- [View Demands by Priority](#)
- [Order Network](#) screen, accessible from the [View Confirmations](#), [Projected Stock](#), [Analyze Supply Usage](#), [View Gating Factors](#), and [View Demands by Priority](#) apps

The information is displayed as follows: [<name from planning area> \(Forecast\)](#). Previously, only the text [Open Forecast](#) was displayed. In case of multiple forecast key figures, you now get more precise information about the quantity that is shown. This comes in very handy if you are planning based on key figures only. For more information, see SAP Note [3032591](#).

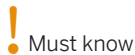
For single forecast key figures, the text displayed has changed from [Open Forecast](#) to [Forecast](#) in the same apps. Accordingly, the forecast-related value of the [DemandType](#) attribute has been renamed from [Open Forecast](#) to [Forecast](#) in the [Planning Run Profiles](#) app.

⚠ Caution

If you have saved a variant using [Open Forecast](#) as a filter in one of the transactional apps, the variant won't work anymore. **Please adapt the filter value to one of the new options available.**

Technical Details

Types



Available as of

2105

1.18.2 Interactive Planning with Key Figures

We've introduced new interactive planning options that enable you to create, fix, unfix, or delete certain planned receipts manually when planning with key figures.

Technical Details

Types

New

Available as of

2105

Additional Details

You can now do the following:

- Create purchase requisitions, stock transfer requisitions, and planned orders
- Fix or unfix purchase requisitions, stock transfer requisitions, and planned orders
- Delete purchase requisitions, stock transfer requisitions, deployment stock transfer requisitions, and planned orders

Effects on Business Users

In the SAP Integrated Business Planning, add-in for Microsoft Excel (Excel add-in) or in the [Web-Based Planning](#) app, if you want to create receipts manually, you can now enter values for the new key figures for interactive planning to specify the quantities that you want to create. You run the corresponding application job, either as a template from the Excel add-in or in the [Application Jobs](#) or [Application Jobs - Order-Based Planning](#) app, and the planned receipts are created accordingly.

New application jobs are also available to fix or unfix planned receipts, and to delete planned receipts.

For more information, see [Making Interactive Changes with Key Figures](#).

Effects on System Administration

We've introduced three new application jobs for this feature:

- [Order-Based Planning: Create Planned Receipts from Interactive Key Figures](#)
- [Order-Based Planning: Fix or Unfix Planned Receipts](#)
- [Order-Based Planning: Delete Planned Receipts](#)

You can use these to set up application job templates for interactive planning. For more information about these application jobs, see [Application Jobs – Order-Based Planning](#).

Effects on Configuration

The SAP7 planning area has two new key figures for interactive planning:

- [Distribution Receipt for Interactive Planning](#) (INTDISTRECEIPTLANE)
- [Production Receipt for Interactive Planning](#) (INTPRODRECEIPTLANE)

You need to map these key figures in the [Settings for Order-Based Planning](#) app. They provide the planning level information required to identify the transportation lane or production data structure, and thus determine which receipts are to be created, fixed, unfixed, or deleted.

For more information about these key figures, see [Key Figures for Interactive Planning](#).

To support this functionality, the following new key figures have been added to SAP7 to allow you to differentiate between fixed and unfixed orders on the level of a production data structure (PDS):

- On the PERPDS planning level:
 - [Production Planned Fixed \(PDS\)](#) (PRODPLANNEDPDSFIXED)
 - [Production Planned Unfixed \(PDS\)](#) (PRODPLANNEDPDSUNFIXED)
 - [Production Planned Fixed \(PDS; Goods Receipt\)](#) (PRODPLANNEDPDSDGRFIXED)
 - [Production Planned Unfixed \(PDS; Goods Receipt\)](#) (PRODPLANNEDPDSDGRUNFIXED)
- On the PERPDSCOMP planning level:
 - [Dependent Demand Planned Fixed \(PDS\)](#) (DEPDDEMANDPLANPDSFIXED)
 - [Dependent Demand Planned Unfixed \(PDS\)](#) (DEPDDEMANDPLANPDSUNFIXED)

See also: [Fixed and Unfixed Key Figures](#)

To provide fixed and unfixed key figures for material quantity in a production data structure at the goods receipt date when a planned order is finished or delivered, the original key figure [Production Planned \(PDS; Goods Receipt\)](#) (PRODPLANNEDPDSDGR) has been added to the SAP7 sample planning area.

For more information, see [Supply Key Figures](#).

Watch a Video

1.18.3 Substitution Costs in Planning Run Profiles

To define substitution costs, you can now maintain substitution cost rules in planning run profiles as an alternative to using the `SUBSTCOSTRATE` key figure. A new tab was added in the *Planning Run Profiles* app called *Substitution Costs*.

To make this feature work, the following new objects and attributes have been added in the condition editor for substitution cost rules:

Object	Attributes
<i>LocationSubstituteMaterial</i>	All attributes that are available for this object were already available.
<i>SubstituteMaterial</i>	All attributes that are available for this object were already available.
<i>SubstitutionProcedure</i>	• <i>Priority</i> • <i>Reason</i> • <i>SubstituteMaterialNumber</i> • <i>SubstitutionVersion</i>

For a full overview of all attributes that are available in substitution cost rules, see [Attributes for Cost Rules](#).

Technical Details

Types	New
Available as of	2105

1.18.4 Rule-Based Switchable Constraints

In the *Planning Run Profiles* app, you can now control switchable constraints on the level of planning objects. By defining rules, you can deactivate constraints for certain combinations of object and attribute values, such as a specific product number in a specific location. (In the case of the *Detailed Planning and Scheduling Horizon*, the logic is reversed, so you can activate it for certain planning objects.)

❖ Example

Deactivation of Supplier Constraint for One Supplier

Let's assume you face a significant increase in demand. You reach out to one of your suppliers and ask them to provide unlimited supply. The supplier commits to delivering whatever is needed. Therefore, you want the supplier constraint to be disregarded for that supplier. For more information about how to set up a suitable rule, see [Rules for Switching Constraints](#).

Previously, a constraint type (for example, supplier or capacity) could only be active or inactive for all planning objects.

Technical Details

Types	Changed
Available as of	2105

Related Information

[Deactivating and Activating Switchable Constraints](#)

1.18.5 Additional Attributes in Planning Run Profiles

In the [Demand Prioritization](#) tab, the [Subnetwork](#) attribute was added for the [LocationMaterial](#) object.

In the [Maximum Lateness](#) tab, the following attributes were added:

- For the [Material](#) object, the [MaterialGroup](#) attribute was added.
- For the [Demand](#) object, the [BusinessArea](#) attribute was added.
- For the [LocationMaterial](#) object, the [Subnetwork](#) attribute was added.

In addition to the new [Substitution Costs](#) tab, which also contains new objects and attributes specific to this cost type, the following attributes were added:

- In all cost tabs, the [Subnetwork](#) attribute was added. For an overview of the combinations of cost types and objects, see [Attributes for Cost Rules](#).
- In the [Demand Costs](#) tab for the [Material](#) object, the [MaterialGroup](#) attribute was added.
- In the [Demand Costs](#) tab for the [Demand](#) object, the [BusinessArea](#) attribute was added.

Technical Details

Types	New
Available as of	2105

1.18.6 Deprecation of OpenAPI Versions

The **1902.0.0** OpenAPI versions will no longer be available as of SAP Integrated Business Planning for Supply Chain **2111**:

Component	Version
INBOUND STATIC DATA MODEL	1902.0.0_FULL
	1902.0.0_TRANS
OUTBOUND STATIC DATA MODEL	1902.0.0_OUTBOUND

As announced in SAP IBP **2102**, the following **1811.0.0** OpenAPI versions will no longer be available as of SAP Integrated Business Planning for Supply Chain **2108**:

Component	Version
INBOUND STATIC DATA MODEL	1811.0.0_FULL
	1811.0.0_TRANS
OUTBOUND STATIC DATA MODEL	1811.0.0_OUTBOUND
OUTBOUND ANALYTICAL DATA MODEL	1811.0.0

As announced in SAP IBP **2011**, the following **1808.0.0** OpenAPI versions have been deprecated and are no longer available as of SAP Integrated Business Planning for Supply Chain **2105**:

Component	Version
INBOUND STATIC DATA MODEL	1808.0.0_FULL
	1808.0.0_TRANS
OUTBOUND STATIC DATA MODEL	1808.0.0_OUTBOUND
OUTBOUND ANALYTICAL DATA MODEL	1808.0.0

Technical Details

Types

Must know



Mandatory task after upgrade

Effects on System Administration

The 1808.0.0 OpenAPI Versions

⚠ Caution

The **1808.0.0** OpenAPI versions have ceased to function as of the **2105** release and any jobs that use these OpenAPI versions will fail after the upgrade to the 2105 release of SAP Integrated Business Planning for Supply Chain. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions.

The 1811.0.0 OpenAPI Versions

If you are using **1811.0.0** OpenAPI versions, you will get a warning about the deprecation, but you can continue to use them in the 2105 release of SAP Integrated Business Planning for Supply Chain. Note that these OpenAPI versions will cease to function as of the **2108** release and any jobs that use these OpenAPI versions will fail after the upgrade to the 2108 release of SAP Integrated Business Planning for Supply Chain. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions.

If you haven't already used the **1811.0.0** OpenAPI versions, you cannot schedule a job using them as of the 2102 release of SAP Integrated Business Planning for Supply Chain.

The 1902.0.0 OpenAPI Versions

If you are using **1902.0.0** OpenAPI versions, you will get a warning about the deprecation, but you can continue to use them in the 2105 and 2108 releases of SAP Integrated Business Planning for Supply Chain. Note that these OpenAPI versions will cease to function as of the **2111** release and any jobs that use these OpenAPI versions will fail after the upgrade to the 2111 release of SAP Integrated Business Planning for Supply Chain. We therefore strongly recommend that you cancel or delete any scheduled jobs that use these OpenAPI versions, and replace them with jobs using newer OpenAPI versions.

If you haven't already used the **1902.0.0** OpenAPI versions, you cannot schedule a job using them as of the 2105 release of SAP Integrated Business Planning for Supply Chain.

i Note

If you use the ABAP adapter and want to switch to the higher OpenAPI versions from versions lower than 1902, you must first do the following:

- In the [Configure Remote Sources \(SDI\)](#) app, create a new remote source with a real logical system you have defined for your external system.
- In the [Integration Profiles](#) app, assign your logical system to the integration profile.

Otherwise, the inbound integration job will abort and you will get an error message "Remote logical system X does not match remote source configuration EXTERNAL".

1.18.7 Use of Production Calendars in Days of Supply Calculations

In the *Settings for Order-Based Planning* app, if the period type for the stock-related key figures is set to *Day*, you can now use the *Use Production Calendar to Calculate Days of Supply* switch to define whether or not the production calendar of the location is considered in the following calculations:

- *Safety Days of Supply*
- *Target Days of Supply*
- *Maximum Days of Supply*

This feature is switched on by default, which produces the same behavior as in previous releases.

This new feature is not available for any other period type.

If you deactivate the switch or if any other period type is set (weeks or months, for example), then the production calendar of the location is not used to calculate the number of days.

Technical Details

Types	New
Available as of	2105

Related Information

[Stock and Buffer Stock Key Figures](#)

1.18.8 Substitution Order Information in Planning Views

In the *Web-Based Planning* app, you can now show information from order-based planning for substitution orders. You can show the orders that make up a key figure value for the following additional external key figures:

- *Substitution Demand* (SUBSTDEMAND)
- *Substitution Receipt* (SUBSTRECEIPT)
- *Substitution Demand for Substitution Scenario* (SUBSTDEMANDSUBST)
- *Substitution Receipt for Substitution Scenario* (SUBSTRECEIPTSUBST)

Technical Details

Types	New
Available as of	2105

Additional Details

This feature is only available in the [Web-Based Planning](#) app.

Related Information

[Supported External Key Figures](#)

1.18.9 Upstream Planning with Subnetworks

Order-based planning (OBP) now supports upstream planning with subnetworks. This means planning from independent demands at distribution centers and factories to suppliers, with supply from upstream networks being considered as **infinite**. Previously, you could only do subnetwork planning in the downstream direction in OBP.

You can use the new feature to propagate independent demands for finished goods through the supply chain up to the level of purchasing components, ignoring potential constraints in the upstream subnetworks.

The following planning runs support upstream planning with subnetworks:

- [Order-Based Planning: Confirmation Run](#)
- [Order-Based Planning: Constrained Forecast Run](#) using the finite heuristic
- [Order-Based Planning: Constrained Forecast Run](#) using the optimizer

The new control parameter [Planning Direction](#) has been added to the corresponding application job templates. It becomes visible after [Subnetwork by Subnetwork ID](#) has been selected as the planning scope.

Technical Details

Types	New
Available as of	2105

Related Information

[Planning with Subnetworks](#)

1.18.10 Push of Excess Stock

In planning runs that use the finite heuristic, you can now decide to push excess stock – stock above the maximum stock level – to the next supply chain level. You can use this feature to, for example, define locations as non-stocking locations or if you want supply from production to be shipped from the production plant to the next distribution center. You use the maximum stock key figure to define a level above which stock is regarded as excess.

You find the *Push Excess Stock to Next Supply Chain Level* option in the *Planning Run Profiles* app. When this feature is turned on, the finite heuristic performs a planning run as usual, but additionally performs another calculation sequence before finishing. Only in this sequence, it checks the maximum stock key figure and handles the excess stock according to the type of excess stock.

For more information, see [Pushing Excess Stock](#).

Technical Details

Types	New
Available as of	2105

1.18.11 Link Type in *Supply Chain Dependencies* App

Substitution was added as a link type in the *Supply Chain Dependencies* app. This link type shows that the object and the used object are connected by product substitution. You can see the substitution procedure that links them in the *Manage Master Data* app by reviewing the *Location Product Substitution* master data type.

Technical Details

Types	New
Available as of	2105

1.18.12 Enhanced Interactive Planning Options

You can now delete deployment stock transfer requisitions.

We've enhanced the interactive planning options available in the [Projected Stock](#) app. Until now, you could delete purchase requisitions, stock transfer requisitions, and planned orders. You can now delete deployment stock transfer requisitions as well.

Technical Details

Types	New
Available as of	2105

Related Information

1.18.13 Enhancement of Copy Operator Profiles for Customer Dimension Configuration

As of this release, additional demand attributes are added automatically to the copy operator profile when you copy the `SAP7` sample planning area with additional demand attributes. For more information about demand attributes in OBP, see SAP Note [2633495](#).

Technical Details

Types	New
Available as of	2105

1.18.14 Sample Planning Area Updates

The following changes have been made to the SAP7 sample planning area to decrease the number of warning messages during planning area configuration:

- The LOCTYPE attribute is no longer assigned as a root attribute to the following planning levels:
 - PERLOC
 - PERPRODLOC
 - PERPRODLOCLPA
 - PERPRODLOCASU
 - PERPRODLOCDEMAND
 - PERPRODLOCSUBST
 - PRODLOC

Note that this attribute is still a key attribute for the master data types.

- The LOCTYPEDEM attribute is no longer assigned as a root attribute to the PERPRODLOCASU planning level.
- The unused calculation has been removed from the FORECASTOPEN key figure on the PERPRODLOC planning level.
- The outdated MARKED_FOR_DELETION attribute has been removed from the SAP7PDSCOMP master data type.

Technical Details

Types	Changed
Available as of	2105

1.18.15 Planning Run Profiles App: Changed UI Labels Under Optimizer Parameters

In the *Optimizer Parameters* tab of the *Planning Run Profiles* app, we have changed the following UI labels under *Horizons in Days*:

- *Minimum Transportation Lot Sizes* has changed to *Minimum Stock Transfer Lot Sizes*.
- *Rounding Values for Transportation Lot Sizes* has changed to *Rounding Values for Stock Transfer Lot Sizes*.

The new UI labels are more precise: Procurement and stock transfer are the two aspects of transportation. The existing UI labels named *Minimum Procurement Lot Sizes* and *Rounding Values for Procurement Lot Sizes* address the first aspect, the newly named labels the second one.

Technical Details

Types	Changed
Available as of	2105

1.18.16 Showing Order Information for Supported External Key Figures in Order-Based Alerts

In the *Intelligent Visibility* and *Monitor Custom Alerts* apps, you can now view order details for supported external key figures in your custom alerts and navigate to see order-based document details.

Technical Details

Types	New
Available as of	2105

Additional Details

You can now show order information for supported external key figures in your order-based custom alerts that have been defined for order-based planning. In the alert details, select a key figure value that has been enabled to show order details from the chart and choose *Show Order Information*. This new feature also allows you to navigate to the relevant app in order-based planning or to other external systems so that you can view more information about your orders.

i Note

To be able to show order information, your system administrator needs to enable this feature in your business user role.

If there are no calculation level attributes defined in the custom alert definition, the *Show Order Information* option isn't available.

In *Intelligent Visibility*, this feature is only available for custom alerts that weren't defined with an alert definition template. If there are no calculation level attributes defined in the custom alert definition, the *Show Order Information* option isn't available.

Effects on System Administration

The business catalog `SAP_IBP_BC_INTVIS_PC` and `SAP_IBP_BC_ALERTMON_PC` have been updated with the new restriction type [Order Details](#). As an administrator, you can define the planning areas and key figures that users can use to view order information for order-based alerts in the [Intelligent Visibility](#) and [Monitor Custom Alerts](#) apps.

1.18.17 Considering Working and Non-Working Days in the DAYSOFSUPPLY Key Figure Calculation

You can update calculation in the `DAYSOFSUPPLY` key figure to consider working and non-working days based on planning calendar entries. For more information, see SAP Note [3052103](#) .

Technical Details

Types	New
Available as of	2105 HFC 3

1.19 Cross Applications

1.19.1 End of Support for Internet Explorer 11

Microsoft announced that beginning August 17, 2021, Microsoft 365 apps and services will no longer support Internet Explorer 11 (IE11) (see <https://techcommunity.microsoft.com/t5/microsoft-365-blog/microsoft-365-apps-say-farewell-to-internet-explorer-11-and/ba-p/1591666> ).

Following up on this announcement, as of SAP IBP 2108, the SAP Fiori launchpad no longer supports IE 11, as announced in SAP IBP 2102 and SAP IBP 2105. As of SAP IBP 2108, you need to use a different browser supported by SAP IBP to access apps in the SAP Fiori launchpad. For more information about browsers supported by SAP IBP, see [Supported Browsers](#) and SAP Notes [2135948](#)  and [3047969](#) .

For all SAP Integrated Business Planning, add-in for Microsoft Excel (Excel add-in) versions older than 2108.2.0, we've communicated that a local installation of IE 11 is needed as a prerequisite for the installation of the Excel add-in.

Technically, we're using the underlying platform of IE 11, which is called MSHTML (Trident) engine. The MSHTML engine is part of the Microsoft Windows operating system (included in Windows 10, 8 and 7). This engine will be used for Internet Explorer (IE) mode, and according to Microsoft, it will continue to be supported at least through 2029. Microsoft explicitly mentions that third-party apps that rely on the MSHTML platform

are expected to continue to work. In addition, the MSHTML engine will also exist as part of the Windows 11 operating system, so the Excel add-in will keep working with Windows 11.

In conclusion, IE 11 can be deactivated or even uninstalled from users' PCs without having any issues with the Excel add-in, provided that supported versions of Windows are used.

Following the recommendation from Microsoft, we are including Microsoft Edge WebView2 in the next version of the Excel add-in (2111.2.0). This means that for the Excel add-in versions 2111.2.0 and newer, we won't require the MSHTML (Trident) engine any more.

i Note

To be able to navigate from the Excel add-in to web applications (SAP Fiori apps in the SAP Fiori launchpad), you need to set a default browser other than IE 11.

Technical Details

Types



Mandatory task after upgrade

Available as of

N/A

Related Information

Planned New Prerequisite for Installation: Microsoft Edge WebView2

<https://docs.microsoft.com/en-us/deployedge/edge-ie-mode> ➡

<https://techcommunity.microsoft.com/t5/windows-it-pro-blog/internet-explorer-11-desktop-app-retirement-faq/ba-p/2366549#:~:text=currently%20supported%20versions%20of%20Windows> ➡

[https://techcommunity.microsoft.com/t5/windows-it-pro-blog/internet-explorer-11-desktop-app-retirement-faq/ba-p/2366549#:~:text=What%20is%20the%20MSHTML%20\(Trident\)%20engine%3F%20How%20does%20that%20relate%20to%20IE%20mode%3F%C2%A0And%20what%20about%20WebOC%3F%C2%A0Or%20the%20MSHTA%20app%3F](https://techcommunity.microsoft.com/t5/windows-it-pro-blog/internet-explorer-11-desktop-app-retirement-faq/ba-p/2366549#:~:text=What%20is%20the%20MSHTML%20(Trident)%20engine%3F%20How%20does%20that%20relate%20to%20IE%20mode%3F%C2%A0And%20what%20about%20WebOC%3F%C2%A0Or%20the%20MSHTA%20app%3F) ➡

<https://techcommunity.microsoft.com/t5/windows-it-pro-blog/internet-explorer-11-desktop-app-retirement-faq/ba-p/2366549#:~:text=currently%20supported%20versions%20of%20Windows> ➡

<https://blogs.windows.com/windowsexperience/2021/05/19/the-future-of-internet-explorer-on-windows-10-is-in-microsoft-edge/> ➡

1.19.2 Enhanced Value Help in the Manage Master Data App

As of 2105, you can use an enhanced value help to easily maintain master data types in the app. When creating, copying, or editing master data entries, the value help shows dependencies between attributes and helps manage them together.

Dependencies between configured master data attributes are considered for the following:

- Composite keys of compound master data type components
- Multiple attribute values that were configured as dependent from a single check master data type

For more information, about this usability improvement, see [Manage Master Data](#).

Technical Details

Types	New
Available as of	2105, normalized systems only

1.19.3 Original Changes View Available in the *Change History Analysis App*

In the new original changes view, you can display interactive changes (so called original changes) on the planning level on which they have been made by a user. This helps you to identify the origin of a change and to get more information about it, for example, when the change was made, by whom, and with which reason code.

Technical Details

Types	New
Available as of	2105

Additional Details

This new view is shown in a new tab right next to the tab for the effects of changes. You can display original changes from the effects of changes tab either by choosing the change ID for one of the entries or by directly choosing the original changes tab, entering search criteria, and pressing [Go](#). Having these views as tabs allows you to switch between them and compare values.

Changes for Filters

Unlike in the effects view, dynamic filters for attributes are not shown by default in the original changes view, because the attributes are shown in the view itself. However, if you still want to filter for attributes, you can add them to the filter bar.

A new optional filter for the change ID allows you narrow down your search to specific change IDs. You can use this filter for both views.

You can find more information in the UI help for the app.

1.19.4 Sharing of Views in the Change History Analysis App

Previously, you had to ask your administrator to share a change history view for you if you wanted to share it with other users or user groups. As of this release, you can now share change history views yourself. Sharing change history views is handy if you want to discuss changes that have been made to the plan with your colleagues, and you want them to be able to see the same changes as you do. To share a change history view, use the new [Share](#) button at the top of the results table.

Technical Details

Types	New
Available as of	2105

Related Information

[Change History Analysis](#)

1.19.5 Replaced App: Change History

As announced in the previous release, the [Change History](#) app has been replaced by the [Change History Analysis](#) app.

You now need to use the successor app [Change History Analysis](#).

Technical Details

Types	 Must know
Available as of	2105

1.19.6 Deprecated App: Planning Filters

As already announced in the SAP Integrated Business Planning for Supply Chain (SAP IBP) release 2102, the *Planning Filters (F1832)* app has been replaced by the new *Planning Filters (F1832A)* app. You can find both apps next to each other in the SAP Fiori launchpad.

The old *Planning Filters (F1832)* app will be removed with the SAP IBP 2108 release. We recommend that you start using the successor app *Planning Filters (F1832A)* as soon as possible.

For more information see [Planning Filters](#).

Technical Details

Types	Prepare next release
Available as of	N/A

Related Information

1.19.7 Machine Learning for Master Data Consistency

You can use this feature to improve master data quality for planning in SAP IBP using machine learning. Machine learning can learn semantic rules to identify problems in master data and recommend values for correction. This helps reduce manual efforts in preparing data for planning.

Technical Details

Types	New
Available as of	2105

Additional Details

Machine learning for data consistency is run as an application job using the job template *ML Master Data Consistency*.

Machine learning can identify the semantic relations and patterns in master data and derive association rules. From the derived rules, the algorithm identifies outliers with higher probability of confidence and recommends values for the outliers.

From the generated rules and recommendations, you can decide if the rules adhere to the business semantics, and if the generated outliers and recommendations are valid. Then you can make relevant changes to the master data, either in the source system or in SAP IBP.

You can train the algorithm and test data once, or periodically.

To run the *ML Master Data Consistency* application job:

1. In the *Application Jobs* app, choose *Create*.
2. In the *Job Template* field, select *ML Master Data Consistency*. Edit the job name, if desired, then choose *Step 2*.
3. Set your scheduling options, and choose *Step 3*.
4. Select the master data type to be profiled.

i Note

Only one master data type can be selected. If you wish to profile another master data type, you must schedule another job with that master data type.

5. Select the master data type attributes you want to be profiled.

i Note

Only categorical attributes can be selected. Numeric and time stamp attributes are not currently supported. We suggest not including all attributes. Please only profile attributes that have an impact on planning, and select less than ten attributes. Hierarchical attributes and attributes such as `UOMID` and `MATERIALTYPE` are good examples of attributes to profile. Attributes with sparse values should not be included, as they do no help in identifying rules.

6. If you want to profile the master data on a subset of data, select a planning filter.
7. Optionally, under *Calculation Setting*, you can tune the parameters for the model, though we recommend running the scenario with the default values. You can set the following:
 - *Min Support* is the percentage of data that supports a rule. For example, if the rule is A,B->D, then support is the percentage of both A,B (left-hand side of the rule) and D (right-hand side of the rule) present in the data. That is: (The number of A and B and D together)/(total data).
 - *Min Confidence* is the minimal probability for a rule being correct when applied to data. That is, the minimal probability to observe the right-hand side of a rule when observing the left-hand side.
 - *Min Lift* is a factor that represents the probability gain to observe the right-hand side of a rule when having the knowledge that the left-hand side can be applied, in contrast to having no knowledge about the rule at all. 0.5 = no gain, instead halved probability; 1 = neither gain, nor loss; 2 = doubled probability
 - *Max Items in Antecedent* are the maximum number of attributes that are allowed to appear in the antecedent (left-hand side of the rule).
8. Choose *Schedule* to schedule the application job.

The results of the application job are available as a .csv file in the job log.

Related Information

[Machine Learning for Master Data Consistency](#)

1.19.8 K-Means Method for ABC/XYZ Segmentation

The K-means segmentation method is now available in the [Manage ABC/XYZ Segmentation Rules](#) app.

Technical Details

Types	New
Available as of	2105

Additional Details

K-means is a cluster analysis method based on machine learning. In ABC segmentation, you can use it to group planning objects with similar volumes based on the segmentation measure. In XYZ segmentation, you can use it to group planning objects with similar coefficients of variation.

In both cases, the system creates increasingly homogeneous segments through several iterations until the smallest possible variance within each segment is reached. Consequently, you don't need to set thresholds for the segments if this method is selected.

i Note

In rare cases, it may happen that the K-means method calculates slightly different results when run repeatedly on the same data set.

Related Information

[ABC Segmentation](#)
[XYZ Segmentation](#)

1.20 Exception Management

1.20.1 New App: Procedure Playbooks

You can use this new app to define standardized procedures for solving supply chain planning issues and share them with other users or user groups. A procedure playbook can provide an overview of the issues that it helps resolve, the reasons for the issues, and the activities and actions that can be taken to resolve them. When an issue is detected, for example, in a custom alert, users with whom a procedure playbook has been shared can use the playbook while trying to resolve the issue.

Technical Details

Types	New
Available as of	2105

Additional Details

You can create a procedure playbook in the [Procedure Playbooks](#) app. You create it for a planning area and an app area where it can be used, for example, custom alerts. You can include a detailed description with an overview of the issues that the procedure playbook helps resolve and the possible reasons for the issues. You can also define activities and actions that can be taken to resolve the issues. You share a procedure playbook with other users or user groups.

When you create, copy, or edit a custom alert definition in the [Define and Subscribe to Custom Alerts](#) app, you can now add one or more procedure playbooks to your definition in a new step of the wizard. You can add procedure playbooks to your custom alert definition only if you've created them or if they've been shared with you in the [Procedure Playbooks](#) app. In addition, the planning area of a procedure playbook must be the same as the planning area of a custom alert definition.

When a custom alert is calculated and displayed in the [Monitor Custom Alerts](#) or [Intelligent Visibility](#) app, users with whom the procedure playbook has been shared can view it along with the alert and use it while trying to resolve the issue.

Effects on System Administration

The [Procedure Playbooks](#) (SAP_IBP_BC_PBK_PC) business catalog is now available and must be assigned to the relevant business role to access the [Procedure Playbooks](#) app.

Related Information

[Procedure Playbooks](#)

1.20.2 Showing Order Information for Supported External Key Figures in Order-Based Alerts

You can now view order details for supported external key figures in your custom alerts and navigate to see order-based document details.

Technical Details

Types	New
Available as of	2105

Additional Details

You can now show order information for supported external key figures in your order-based custom alerts that have been defined for order-based planning. In the alert details, select a key figure value that has been enabled to show order details from the chart and choose [Show Order Information](#). This new feature also allows you to navigate to the relevant app in order-based planning or to other external systems so that you can view more information about your orders.

i Note

To be able to show order information, your system administrator needs to enable this feature in your business user role.

If there are no calculation level attributes defined in the custom alert definition, the [Show Order Information](#) option isn't available.

Effects on System Administration

The business catalog `SAP_IBP_BC_ALERTMON_PC` has been updated with the new restriction type [Order Details](#). As an administrator, you can define the planning areas and key figures that users can use to view order information for order-based alerts in the [Monitor Custom Alerts](#) app.

Related Information

[How to Monitor Alerts](#)
[New App: Procedure Playbooks \[page 130\]](#)

1.20.3 Enhancements to Custom Alerts Overview

The alerts overview that you may display in the *Dashboards - Advanced* app now sums up the number of alerts for the same attribute combinations when the alert definition is configured to be aggregated over time horizon.

For example, you have an alert that is aggregated over time horizon with a subscription (SUB1). This subscription has three alerts and each contains five occurrences for different time periods. In this case, the aggregated results of three alerts (not the exploded non-aggregated value of 15 alerts) are displayed.

Technical Details

Types	New
Available as of	2105

Related Information

[View Custom Alerts Overview in the Dashboard](#)

1.21 End-to-End Visibility

1.21.1 New App: Procedure Playbooks

You can use this new app to define standardized procedures for solving supply chain planning issues and share them with other users or user groups. A procedure playbook can provide an overview of the issues that it helps resolve, the reasons for the issues, and the activities and actions that can be taken to resolve them. When an issue is detected, for example, in a custom alert, users with whom a procedure playbook has been shared can use the playbook while trying to resolve the issue.

Technical Details

Types	New
Available as of	2105

Additional Details

You can create a procedure playbook in the [Procedure Playbooks](#) app. You create it for a planning area and an app area where it can be used, for example, custom alerts. You can include a detailed description with an overview of the issues that the procedure playbook helps resolve and the possible reasons for the issues. You can also define activities and actions that can be taken to resolve the issues. You share a procedure playbook with other users or user groups.

When you create, copy, or edit a custom alert definition in the [Define and Subscribe to Custom Alerts](#) app, you can now add one or more procedure playbooks to your definition in a new step of the wizard. You can add procedure playbooks to your custom alert definition only if you've created them or if they've been shared with you in the [Procedure Playbooks](#) app. In addition, the planning area of a procedure playbook must be the same as the planning area of a custom alert definition.

When a custom alert is calculated and displayed in the [Monitor Custom Alerts](#) or [Intelligent Visibility](#) app, users with whom the procedure playbook has been shared can view it along with the alert and use it while trying to resolve the issue.

Effects on System Administration

The [Procedure Playbooks](#) (SAP_IBP_BC_PBK_PC) business catalog is now available and must be assigned to the relevant business role to access the [Procedure Playbooks](#) app.

Related Information

[Procedure Playbooks](#)

1.21.2 Integration of SAP Transportation Management Data

You can now use the new communication scenario [Planning - Transportation Management Information Integration](#) (SAP_COM_0661) to integrate data from SAP Transportation Management (SAP TM) into SAP Integrated Business Planning for Supply Chain. This will allow users to select an order in the [Intelligent Visibility](#) app and see its document flow and navigate to the corresponding documents in their target systems.

Technical Details

Types	New
Available as of	2105

Additional Details

If your system administrator has set up communication scenario `SAP_COM_0661`, you can view gating factor details related to SAP TM order documents for your order-based alerts that were defined with a template. From the gating factor, you can select the document ID number of an order element in the table to view the [Document Details](#) page and see the SAP TM document flow and navigate to the corresponding documents in their target systems.

Related Information

[Integrating SAP Transportation Management Data](#)
[Viewing Custom Alerts](#)

1.21.3 Enhancements to Intelligent Visibility

You can use the new features in the [Intelligent Visibility](#) app to view customers by location. You can display key performance indicators in the overview.

Technical Details

Types	New
Available as of	2105

Additional Details

The following enhancements are now available in the [Intelligent Visibility](#) app:

- Use the new [Customers](#) data layer to display customer information on the geographic map.
- The rolling option is now available in the time periods filter. This allows the variants to roll over time.

For example, you save a variant on January 1 with time periods between January 7 and January 15. If you choose to apply this variant on January 2, it will filter data for January 8 to January 16.

- View alerts that are only within the time horizon that you've defined in the alert definition. Any time filters that are outside the defined range are ignored so that you don't get extra alerts.
- Use the overview section to show key performance indicators based on filtered data such as the total number of alerts, alerts for top three locations, alerts by severity, snoozed alerts, and locations with alerts.

Related Information

[Viewing Customers](#)

[Viewing Custom Alerts](#)

[New App: Procedure Playbooks \[page 130\]](#)

[Integration of SAP Transportation Management Data \[page 133\]](#)

1.21.4 Showing Order Information for Supported External Key Figures in Order-Based Alerts

You can now view order details for supported external key figures in your custom alerts and navigate to see order-based document details.

Technical Details

Types	New
Available as of	2105

Additional Details

You can now show order information for supported external key figures in your order-based custom alerts that have been defined for order-based planning. In the alert details, select a key figure value that has been enabled to show order details from the chart and choose [Show Order Information](#). This new feature also allows you to navigate to the relevant app in order-based planning or to other external systems so that you can view more information about your orders.

Note

To be able to show order information, your system administrator needs to enable this feature in your business user role.

This feature is only available for custom alerts that weren't defined with an alert definition template. If there are no calculation level attributes defined in the custom alert definition, the [Show Order Information](#) option isn't available.

Effects on System Administration

The business catalog `SAP_IBP_BC_INTVIS_PC` has been updated with the new restriction type [Order Details](#). As an administrator, you can define the planning areas and key figures that users can use to view order information for order-based alerts in the [Intelligent Visibility](#) app.

Related Information

[Viewing Custom Alerts](#)

1.21.5 Enhancements to Intelligent Visibility Profiles

You can now use the two new percentage data value format options to display percentage values with no decimal points, or one decimal point. For more information about data value formats, see [How to Create a Profile](#).

Technical Details

Types	New
Available as of	2105

1.21.6 Cascading Filters for Drill Downs

With the cascade filters option enabled in your analytics chart, the dashboard filters will now cascade to the next level when drilling down on that chart in [Dashboards - Advanced](#).

If you add an analytics chart to your [Intelligent Visibility](#) profile that has the cascade filters option enabled, the [Intelligent Visibility](#) filter values will now cascade to the next level when you drill down on that chart in [Intelligent Visibility](#).

Technical Details

Types	New
Available as of	2105 HFC 3

Related Information

[Viewing Custom Alerts](#)

[Working with a Dashboard](#)

1.22 Analytics

1.22.1 Enhancements to Analytics - Advanced

You can use the new features to display planning notes in the table type. You can choose to only display filters you've saved when you load a chart. You can save attribute filters with your charts, even if they don't contain values. You can also use the new percentage data value format options on your charts.

Technical Details

Types	New
Available as of	2105

Additional Details

The following features are now available in [Analytics - Advanced](#):

- Display planning notes created in the SAP IBP, add-in for Microsoft Excel or in Web-Based Planning in the table type.
- Attribute filters are saved with your charts even if they don't contain values. This way, only the filters you've saved are displayed when you load the chart. For example, if you remove the defaulted product ID and location ID attributes, you won't see them the next time the chart is loaded.
- Use the two new percentage data value format options to display percentage values on your charts with no decimal points, or with one decimal point.

Related Information

[Displaying Planning Notes](#)
[Creating Analytics Charts](#)

1.22.2 Enhancements to Dashboards - Advanced

You can now add analytics objects to your dashboard while your dashboard contains filtered values and carry over dashboard filters when navigating to the alert monitor.

Technical Details

Types	New
Available as of	2105

Additional Details

The following new features are now available in the *Dashboards - Advanced* app:

- You can now add analytics objects to your dashboard while your dashboard contains filtered values. However, the charts you want to add need to be from same filtered planning area.
- If you use filters on the dashboard and then navigate to the *Monitor Custom Alerts* app from an alert overview tile or an alert subscription tile, the filter values you chose on the dashboard can now be carried over to the *Monitor Custom Alerts* app as *External Ad Hod Filters* and *External Planning Filters*. Dashboard filters always overwrite the subscription filters if they have the same filter attributes. Any other existing subscription filters are applied. The external filters are not editable.

Related Information

[Working with a Dashboard](#)

1.23 Security

1.23.1 New App: Display Static System Audit

This feature enables you to provide static system information to external auditors.

Technical Details

Types	New
Available as of	2105

Related Information

[Display Static System Audit](#)

1.23.2 New Feature in Maintain Client Certificates

With this feature you can replace client certificates or create signing requests if required.

Technical Details

Types	New
Available as of	2105

Related Information

[Maintain Client Certificates](#)

1.23.3 Enhancements to the Technical System Landscape Documentation

We've enhanced the Technical System Landscape section of the Security Guide so it contains the most relevant and up-to-date information about the system landscape between IBP and our customers.

In addition, the diagram has also been updated to reflect the most recent changes in the landscape, as well as the names of numerous SAP products.

Technical Details

Types	New
Available as of	2105

Related Information

[Technical System Landscape](#)

1.23.4 Maintain Protection Allowlists Has Been Renamed

The [Maintain Protection Whitelists](#) app was renamed to [Maintain Protection Allowlists](#).

Technical Details

Types	Changed
Available as of	2105

Related Information

[Maintain Protection Allowlists](#)

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