

PUBLIC

SAP Analysis for Microsoft Office Document Version: 2.8 SP14 – 2023-08-09

What's New Guide





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1 About this guide

The What's New guide for SAP Analysis for Microsoft Office provides a complete list of the new and modified features for SAP Analysis since the previous release. It also comprises a list of all new and changed administration tasks for SAP Analysis.

2 About the documentation set

The documentation set for SAP Analysis for Microsoft Office, comprises the following guides and online help products:

→ Tip

The guides and tutorials are regulary updated and enhanced. Make sure that you have the latest version by checking the SAP Help Portal and SAP Community Network on a regular basis.

Administrator Guide

The Administrator Guide contains detailed information that a user needs to install, configure and administer Analysis for Microsoft Office. The guide is available on the SAP Help Portal.

User Guide

The User Guide contains the conceptual information, procedures and reference material that a user needs to create and analyze Microsoft Excel workbooks and Microsoft PowerPoint slides with Analysis for Microsoft Office. There are three user guides for Analysis: the Analysis Plug-in User Guide, the BPC Plug-in User Guide and the EPM Add-in User Guide. The guides are available on the SAP Help Portal.

Online Help

The online help contains the same information as the User Guides. It links directly to the documents on the SAP Help Portal.

What's New Guide

The What's New guide for SAP Analysis for Microsoft Office, provides a complete list of the new and modified features for SAP Analysis since the previous release. The guide is available on the SAP Help Portal.

eLearning Tutorials

The tutorials show you how to use SAP Analysis. They give you a quick introduction to different features so that you can learn the basics of working with the Add-In. They also give you a first impression of the look

and feel. The tutorials are available in the SAP Community Network at http://scn.sap.com/docs/DOC-7679? refer=product-help.

3 What's New in Administration

3.1 Installing Analysis 2.8

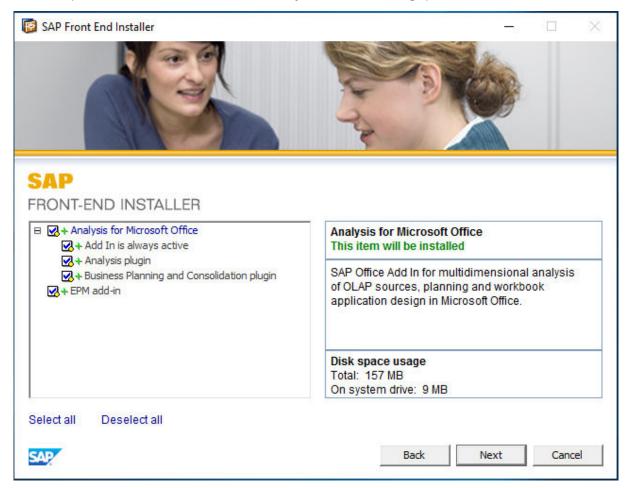
Installation

SAP Analysis for Microsoft Office is now available for Microsoft Office 2010, Microsoft Office 2013, Microsoft Office 2019 and Office 365.

It consists of the following installable components:

- Analysis Add-in including the Analysis plug-in and the Business Planning and Consolidation plug-in
- Enterprise Performance Management Add-in (EPM add-in)

In the component list of the SAP Front End Installer, you have the following options:



3.2 Connections

Insecure connections

Users get now a warning when they try to connect to an insecure connection. The default behavior is that they can continue with the logon if they want.

As an administrator, you can use the setting AllowInsecureConnection to specify if the warning should be displayed but the user can continue (default), if the warning should be displayed and the user can't continue, or if the user is connected without getting a warning

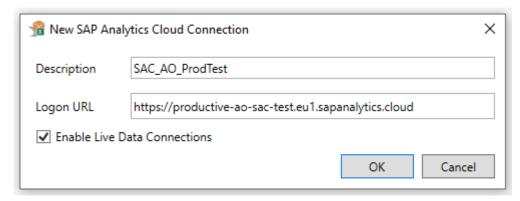
Using SAP Analytics Cloud live data connections

You can now use live data connections with SAP Analytics Cloud.

Live Data connection means that you're directly connected to an SAP BW or SAP HANA system via your SAP Analytics Cloud.

For Analysis 2.8 SPO, using Live Data connections with SAP BW requires the BW release 7.50 SP 16 or a higher version. As of Analysis 2.8 SP2, you can also use earlier BW releases for live data connections.

To use live data connections, select the option Enable Live Data Connections in the New SAC Connection dialog:



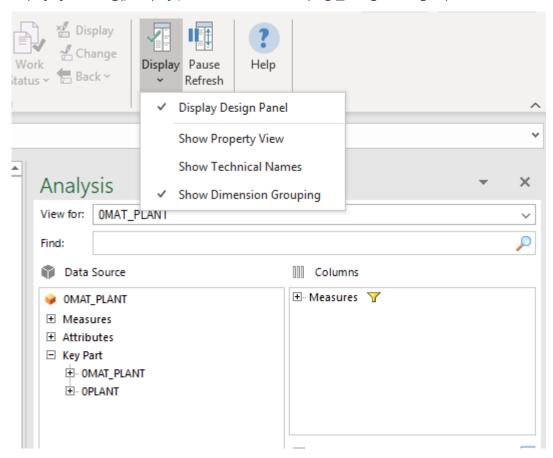
4 What's New in Analysis Plug-in

4.1 Working with the design panel

Displaying grouped dimensions in the design panel

You can now display grouped dimensions on the Analysis tab in the design panel.

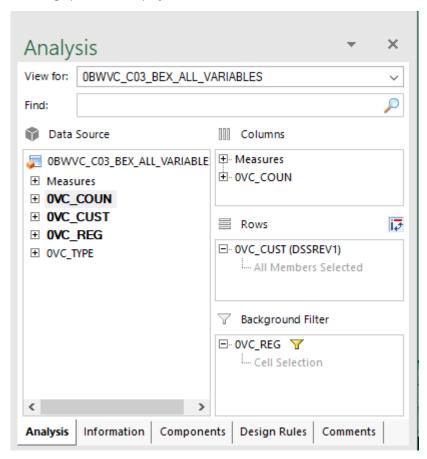
You can group dimensions for data sources in SAP BW and SAP HANA systems. In Analysis, you can decide if the dimensions of a data source are displayed as a flat list or as grouped dimensions. You can change the display by choosing Display Show Dimension Grouping Design Panel group in the ribbon:



Highlighting used dimensions in the design panel

Dimensions used in the analysis are now highlighted in the design panel.

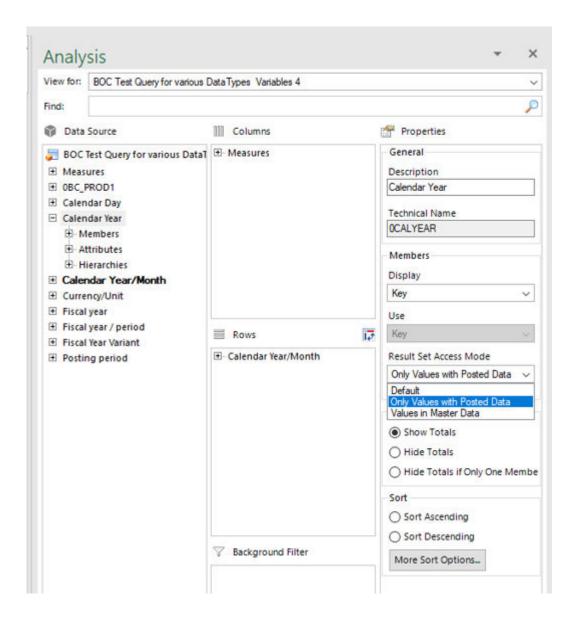
Dimensions that you add to the crosstab by moving them from the data source section to another section in the design panel, are displayed in bold letters in the data source section:



Selecting the Access Mode in the Property View

You can now select an access mode to define the member display in the Property View in the design panel. You can select an access mode for SAP BW and SAP HANA data sources.

The option Result Set Access Mode is only available in the Property View if the setting AllowChangingAccesMode is set to true. You can do this in the Advanced options dialog or the Technical Configuration in the Analysis backstage area.



4.2 Working in formula-optimized mode

You can now use all data sources in a formula-optimized mode in Analysis. The data sources can be located in SAP BW, SAP HANA or SAP Analytics Cloud.

The data sources must have at least one key figure structure. They can contain restrictions, restricted key figures, calculated key figures and hierarchies.

4.3 Prompting

Using variants

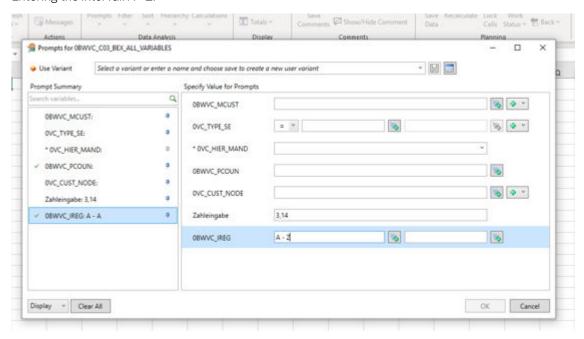
The variants are now listed in alphabetical order in the Prompts dialog.

Also new is the following behavior: After selecting a variant from the list, the first prompt in the *Prompts Summary* area is selected and the corresponding entry in the *Specify Value for Prompts* area.

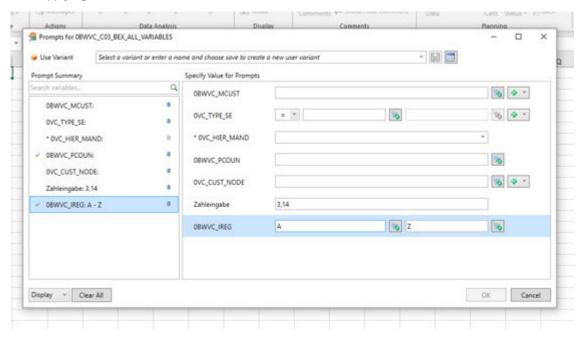
Entering value ranges for variables

You can now enter the start and end member for value ranges manually in one field. The values need to be separated with space-minus-space (-). When applying the values, Analysis moves the end member automatically to the second field. You can apply the values with selecting the tab key or selecting another field in the dialog.

Entering the intervall A - Z:



After applying the intervall:



Using SAP HANA data sources with hierarchies

When using SAP HANA data sources, the cached hierarchy level information is now cleared when you switch to a different hierarchy.

In previous Analysis versions, the behavior is different. Here is an example: A user initially runs a report for Hierarchy A (6 hierarchy levels), then changes the prompt and runs it for Hierarchy B (10 hierarchy levels). The capability to expand the hierarchy remains based on the Hierarchy A levels (6), not the Hierarchy B levels (10). The behavior is that the user can only expand Hierarchy B for 6 levels in this scenario.

As the cached hierarchy level information is now cleared when switching to a different hierarchy, the user can now expand Hierarchy B for 10 levels in this example.

Clear all defined values

If you need to define new prompt values for a data source, you can now select *Clear All* in the *Prompts* dialog to remove the defined values for all prompts and define new values.

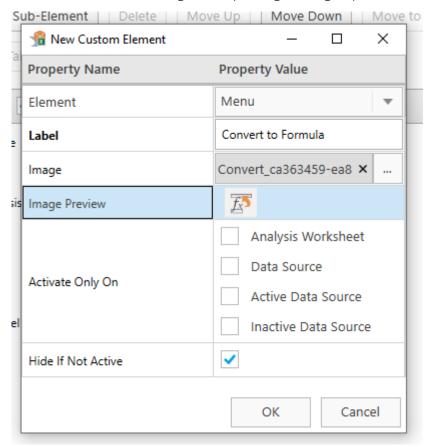
4.4 Customizing the user interface

Images in profiles are now stored within the profile xml.

In former releases, the profile XML stored references (file paths) to images that are to be displayed on UI elements. This required to distribute the profile xml and the images.

With the new version, image data is stored in the profile xml. Existing profiles with referenced images can still be used in Analysis.

You can add a label for the Image. After uploading the image, a preview is shown in the field Image Preview:

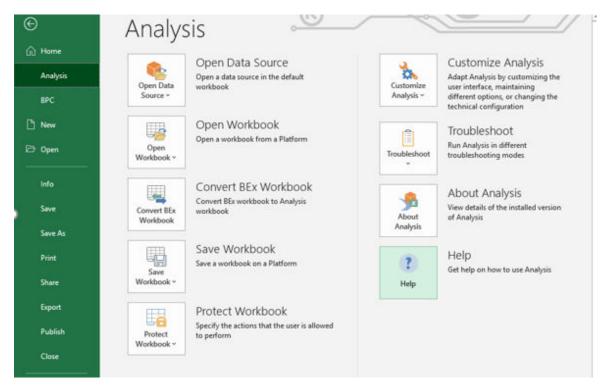


4.5 Online Help

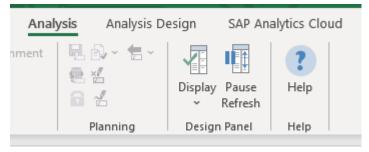
The online help in Analysis is now directly linked to the SAP Help Portal.

You have the following options:

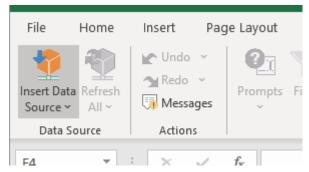
• You can select *Help* in the Analysis backstage menu to access the SAP Analysis for Microsoft Office product page on the SAP Help Portal:



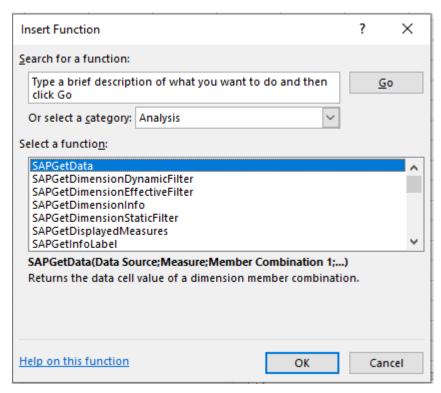
• You can jump to the corresponding chapters in the user guide using the *Help* buttons on the *Analysis* and *Analysis Design* ribbon tabs:



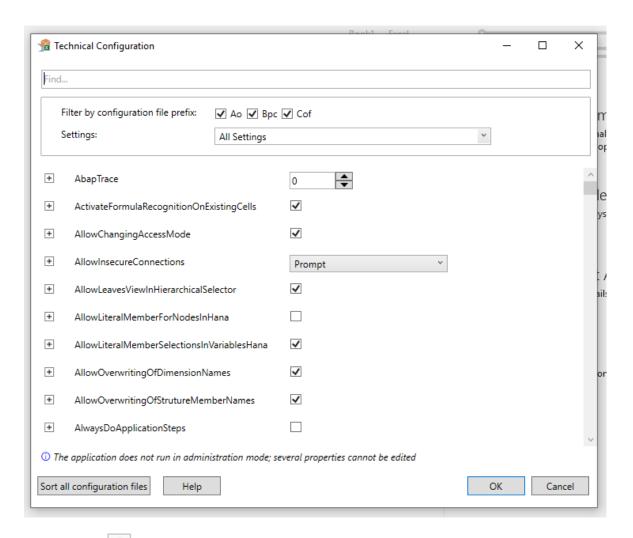
• You can set the cursor on a ribbon button or a design panel tab and press *F1* to jump to the corresponding chapter in the user guide:



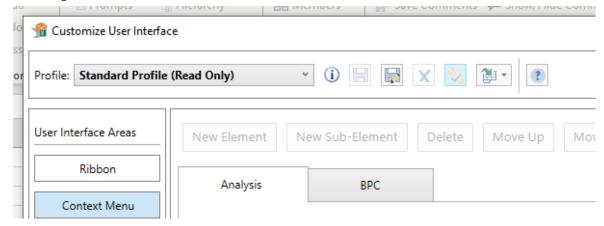
• You can select *Help on this function* in the *Insert Function* dialog to jump to the corresponding topic in the user guide:



• You can select *Help* in the *Technical Configuration* dialog to jump to the settings documentation in the user guide:



• You can select in the *Customize User Interface* dialog to open the corresponding documentation in the user guide:



The following features are new in 2.8 SP1.

For corrections and updates released with 2.8 SP1, please see SAP Note 2679485 ...

Using SAP Analytics Cloud live data connections

Analysis now supports the following live data connections, objects and connection types:

- SAP HANA to access SAP HANA views (Type: Direct Connection)
- SAP BW to access SAP BW objects (Type: Direct Connection)
- SAP BW/4HANA to access SAP BW/4HANA objects (Type: Direct Connection)
- SAP BPC to access SAP BPC objects (Type: Direct Connection)
- SAP S/4HANA to access SAP S/4HANA ABAP CDS views (Type: Direct Connection)

For more information on the required system versions, please see the SAP Analytics Cloud help for System Requirements and Prerequisites at Data Connectivity - Live.

Displaying grouped dimensions in the design panel

You can now use drag&drop for hierarchies on the Analysis tab if the dimensions are displayed as grouped dimensions.

Technical Configuration

There are two new settings:

- PlanningFunctionUploadFolder
 You can use this setting to define a default folder to select a file when executing planning objects.
- UseLegacyModeForFormulaContext
 You can use this setting to specify the mode for creating formulas with Table Design.

Working with formulas

The Analysis Help includes examples for formulas. These examples use a semicolon as list separator. If you use these examples in your Analysis installation, they'll only work properly if you use the same default list separator on your machine.

The help now contains information how you can check which default list separator you use.

The following features are new in 2.8 SP2.

For corrections and updates released with 2.8 SP2, please see SAP Note 2679436 and SAP Note 2919308 (for 2.8 SP2 patch 1).

Commenting data cells

Analysis now uses its own buttons and texts for adding comments to a data cell.

To create a new or edit an existing comment, select the cell and choose Create/Edit Comment in the ribbon.

Also, in the context menu, you find now the corresponding options for comments, for example, *Delete Comment*.

In former versions, Analysis reused the texts of Microsoft Excel for comments. As Microsoft Exel renamed the Comments to Notes, the wording for comments was inconsistent in the ribbon and the context menu. With this update, the term Comment is now used consistently for comments in Analysis.

The following features are new in 2.8 SP3.

For corrections and updates released with 2.8 SP3, please see SAP Note 2917177 and SAP Note 2948273 (for 2.8 SP3 patch 1).

Using BI platform 4.3

Please note that using the BI platform 4.3 with Analysis will be enabled later this year.

Launching Analysis from the web

You can now define launching files to start Analysis with an established connection or open a workbook saved on a platform, for example. To publish a launching file, you can directly share it with other users or make it public via a link on a web page.

Analysis offers the XML schema that helps you to create your own launching file. The XML schema is delivered as .xsd file (XSD = XML Schema Definition). The Analysis launching file that you create is an XML with extension .sapaox, which adheres to the format specified by the Analysis launcher XML schema.

The following scenarios are supported by the Analysis launcher XML schema:

Scenario	Platform/Backend	
Start Analysis with an established connection	 SAP BI platform SAP BW SAP HANA SAP Analytics Cloud 	
Start Analysis with an established connection and an open data source	SAP BWSAP HANASAP Analytics Cloud	
Open a workboook saved on a platform	SAP BI platformSAP NetWeaver	
Open a data source from a platform	SAP BI platform	
Get connection information from a platform	SAP BI platformSAP Analytics Cloud (live connections)	

Scenario Platform/Backend

Open a data source with the connection information (BIP) or Live Data Connection information (SAC) from a platform

- SAP BI platform
- SAP Analytics Cloud (live connections)

Handling insecure connections

Analysis now checks the security of a connection to a backend system when a you start to establish the connection.

An insecure connection could be a connection to a BW system without SNC (Secure Network Communication) or below SNC quality 3 or a connection without HTTPS to a BI platform, SAP HANA or SAP Analytics Cloud.

When you're trying to establish an insecure connection, Analysis shows a warning:



As an administrator, you can use the setting AllowInsecureConnections to define the options users should have when trying to establish an insecure connection.

If Analysis can't establish a secure connection (SNC) to a selected BW system, another dialog can be displayed where you can choose one of the following options:

- Try again with SNC to establish a secure connection
- Try without SNC to establish an insecure connection
- Cancel without establishing a connection

With the setting EnableWarningForFailedSnc, you can specify whether the dialog that a secure connection couldn't be established should be displayed.

Using SAP Analytics Cloud connections

The URL of your SAP Analytics Cloud tenant now needs to start with https://.

Technical Configuration

The setting ${\tt IncludeInstancesInInfoObjectSearchResult}$ is new.

When you search for a workbook stored on the BI platform in Analysis (in the Excel Backstage -> Analysis -> Open Workbook -> Open Workbook from the SAP BusinessObjects BI Platform), the search results might include more than one instance of the same workbook. But the additional instances might have different file sizes.

However, when you search for the same workbook in the Central Management Console (CMC) in the Bl platform, only the original workbook is included in the search results.

You can use the new setting to specify whether the additional instances should be part of the search result for workbooks on the BI platform in Analysis.

The following features are new in 2.8 SP4.

For corrections and updates released with 2.8 SP4, please see SAP Note 2924387 and SAP Note 2959437 (for 2.8 SP4 patch 1).

Using the BI platform

You can now use the BI platform 4.3 as a platform and for scheduling workbooks.

Creating and managing BW system connections in the BI platform

You create connections to BW systems in the module *OLAP Connections* in the BI platform. In this module, you can't maintain Secure Network Communication (SNC) information. But you can now reuse the SNC information from SAPUILandscape for your connection on the BI platform if the same system is maintained in the OLAP connection on the BI platform and in the SAPUILandscape.

To enable the reuse, the new setting UseLocalSncInfoForRemoteConnections must be set to true. This is the default value for this setting.

Saving query views

You can now save query views to roles. Therefore, the Save Query View dialog has the new tab *Role*. The roles are created in the BW system.

Documentation Update

The chapter *To filter out members directly on the crosstab* was updated. Please note that you can filter out members directly only for dimensions without hierarchies.

The following features are new in 2.8 SP5.

For corrections and updates released with 2.8 SP5, please see SAP Note 2924400 .

Filtering Members

To select and deselect members in the filter dialog, you can now click the checkbox or the text next to the checkbox in the members list.

To filter out members directly on the crosstab

You can now filter out directly members for dimensions without hierarchies and for flat and hierarchical structures.

Analysis Settings

The setting TraceLogLevel is new. You can use it to define the amount of log and trace information that should be stored in the log.config file.

The following features are new in 2.8 SP6.

For corrections and updates released with 2.8 SP6, please see SAP Note 2927196.

Analysis Settings

The setting RouterStringCopyOption is new. You can use it to specify whether Analysis should copy SAP router strings from the SAP GUI landscape's respective system entries.

The following features are new in 2.8 SP7.

For corrections and updates released with 2.8 SP7, please see SAP Note 2993485.

Specify a logon language for SAP Analytics Cloud Live Data connections

If you enable the Analysis advanced option *Allow Client and Language Selection for SSO Logon*, you can now select a language when logging on to an SAP Analytics Cloud Live Data connection. This selection overwrites the language configurations specified in SAP Analytics Cloud.

Help Update: Working in formula-optimized mode

The help for Working in formula-optimized mode was enhanced. You can now find more information about the use cases and the syntax for the SAPGetData formula.

Help Update: Analysis Settings

The following settings are now documented:

- AlwaysCallSheetIdUsingXIIntl
- AppBuilderWindowHeight
- AppBuilderWindowWidth
- ChangeNumberFormatToTextForFilterComponent
- EnableAdvancedFormulaReferences
- EnableIncludesInSapUiLandscapeXml
- EnableNodeTextClickInFilterDialog
- ForceFullyCompoundedKeys
- ForceHttpsScheme
- GatewayServiceNo
- HierarchyLevelHideAutoOffset
- InsertCopiedProfilingResultsToNewSheet
- MatchDimensionsByText
- NwbcTicketIssuerPath
- ReadOnlyBoeSystemsList

- ReassignPFLinkFilterOnInitialRefresh
- RememberSearchObjectType
- ReResolveDependentHierarchyNodeVariables
- SapWebGuiPath
- SearchObjectTypeBw
- SearchObjectTypeHana
- SidePanelWidth
- TextKeyDisplayForPrompts
- TimerDialogDisplayTime
- TimerSetPlanQueriesToDisplayMode
- UseOlapHanaCubeAsHanaInstance
- UseSacLiveHostnameInBwConnection

The following features are new in 2.8 SP8.

For corrections and updates released with 2.8 SP8, please see SAP Note 2993475 .

SAP Analytics Cloud Live Data connections

When you choose *Insert Data Source* in the ribbon, the recently used SAP Analytics Cloud Live Data connections are now listed for quick selection.

SAP Analytics Cloud models

Analysis does currently not support the new model type *Model with Measures*. Therefore, these models are not shown in the *Select Data Source* dialog.

Analysis Settings

The setting <code>DisableBWDirectSearch</code> is new. You can use it to specify whether the direct search or the classic search should be used for searching data sources in BW systems.

The following features are new in 2.8 SP9.

For corrections and updates released with 2.8 SP9, please see SAP Note 2993498 .

New version of SAP Analysis for Microsoft Office, edition for SAP Analytics Cloud

Analysis, edition for SAP Analytics Cloud, does now allow you to store and use workbooks on the BI platform and BW repositories.

You can use the new edition for SAP Analytics Cloud like the Analysis full version: connecting directly to BW (or BI platform) without using the live connections defined in SAP Analytics Cloud. This function provides the full integration with your existing repositories or the basis for building your new repository if you are not using Analysis yet. You can also open and analyze workbooks created with the Analysis full version.

As a SAP Analytics Cloud subscription is required for this edition, a connection to one SAP Analytics Cloud tenant must still be configured. However, this connection is only used to verify the subscription, and you can configure it to save the connection so that the check is done without any user interaction.

There are two new settings related to the edition for SAP Analytics Cloud:

- AutoConnectToLastSelectedSacSystem
 You can use this setting to automatically connect to a defined SAP Analytics Cloud tenant without getting a log-on dialog again.
- LastSelectedSacSystem
 Analysis uses this setting to remember the last connection you used for the next session. This connection is then preselected when you use Analysis the next time.

For more information about this new Analysis version, please see the SAP Help Portal at SAP Analysis for Microsoft Office, edition for SAP Analytics Cloud

Working with SAP Analytics Cloud models

When filtering dimensions with hierarchies applied, you can now use the search field in the filter dialog to search for members.

There are no new features in 2.8 SP10.

For corrections and updates released with 2.8 SP10, please see SAP Note 3051755 ...

The following features are new in 2.8 SP11.

For corrections and updates released with 2.8 SP11, please see SAP Note 3051741 ...

System Requirements

The Microsoft .NET Framework version 4.7.2 is now a prerequisite for using Analysis.

Handling Insecure Connections

Before establishing a new connection, Analysis evaluates the status of the connection. The check now also detects not reachable or undefined connections. Connections could be not reachable because of timeout exceptions, proxy issues, or the 404 http status code. And undefined connections are unauthorized or have other exceptions.

The setting AllowInsecureConnections was enhanced. It now has the additional parameter values NoInsecure and PromptInsecure.

For getting an overview of making secure connections between Analysis and its targets, you can also see the new SAP Knowledge Base Article Analysis for Office Secure Connections.

Table Design

There are four new SAP Knowledge Base Articles for working with Table Design. You can access them from the respective chapter in the user guide or this What's New document:

- Table Design formulas returning NA, #VALUE! or #NAME?
- Performance issues with Table Design formulas in Analysis
- Using Fill Handle for Table Design formulas in Analysis
- Analysis for Office Table Design does not save entered text as Design Rule

Analysis Settings

The setting PreferDirectAssertionTickets is new. You can use it to define how a new re-entrance ticket is received.

Please note that the setting was available as a private setting with SP5 and is public now.

The following features are new in 2.8 SP12.

For corrections and updates released with 2.8 SP12, please see SAP Note 3051730 .

Crosstab Properties

You have now the crosstab property *Repeat Titles* to repeat header texts (titles) that are currently not displayed because they occur several times in a crosstab.

The property is available on the Components tab of the design panel and in the Format group in the Analysis Design ribbon.

Formula-Optimized Mode

You can now define how data cells are formated when using formulas. To do so, you have two options:

- On the Components tab in the design panel, you select the properties: Show Scaling Factor in Cells to show the decimal places in the data cells and Show Units in Cells to show the unit in each data cell.
- You use the setting ApplyNumberFormatsForFormulas to define how data cells are formated when using formulas.

And the help does now include two examples showing formulas with presentation hints.

Grouping Crosstabs

The setting SetMemberAccessModeForDependents is new. You can use it to define how the access mode for the dependent crosstabs is set when crosstabs are grouped.

Planning with SAPExecuteCommand

The setting CheckForNewDataWhilePauseRefreshActive is new. It is relevant when working with the planning related commands of the VBA method SAPExecuteCommand.

For more information, see SAP Note 3111916.

The following features are new in 2.8 SP13.

For additional corrections and updates released with 2.8 SP13, please see SAP Note 3123550/2.

Property View

The option Filter Member Access is new in the properties section in the design panel.

You can use it to define the access mode that is used to display the members in the filter dialog.

Logon to SAP Analytics Cloud

You can now use an external browser to log on to an SAP Analytics Cloud tenant.

With the new setting UseExternalBrowserForSacLogon, you can specify whether Analysis should use an embedded or external browser to log on to SAP Analytics Cloud.

And using an external browser, you can define the time Analysis is waiting to close the external browser window after the logon to SAP Analytics Cloud with the new setting AutomaticLogoffInSeconds.

Handling of null cells in list calculations

The setting DoNotCumulateListCalculationNullValues is new.

You can use it to specify how unbooked cells are handled in list calculations regarding the list calculated accumulation of null cells.

The following features are new in 2.8 SP14.

For additional corrections and updates released with 2.8 SP14, please see SAP Note 3150342/2.

Analyzing SAP Data Warehouse Cloud data source

You can now connect directly to a SAP Data Warehouse Cloud tenant and analyze SAP Data Warehouse Cloud datasets with SAP Analysis.

Working with formulas

The function SAPGetSourceInfo has a new property: LogonLanguage.

You can use it to retrieve the data source connection language.

Commenting data cells

The API method SAPExecuteCommand has a new command: SaveBwComments.

You can use it to save the BW comments you entered in Analysis. The comments are saved in the document store of the BW system.

Analysis setttings

The following settings are new:

• AllowFlatPresentationForHierarchyNodeVariables

When working with a data source that has a hierarchy variable and a hierarchy node variable, you can use the value help to choose a value for the hierarchy node variable before entering a value for the hierarchy variable

You use this setting to specify whether you get a hierarchical structure to choose a hierarchy node or a flat presentation after having selected the hierarchy node variable.

SapGetDataClientSideValidationOnly

When working with the function SAPGetData, you use this setting to specify whether provided member values should be validated in the backend. As the backend validation causes additional RFC calls, it could improve the performance if the backend validation is not executed.

• UseServerTypeParamForOlapConnections

You can use this setting to specify whether Analysis should check and use the hostname according to the value of the ServerType property of the OLAP connection to get a valid hostname for the OLAP connection.

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