



PUBLIC

SAP BusinessObjects BI Suite

Document Version: 4.3 Support Package 4 – 2023-12-07

What's New

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1 About this document

The *What's New Guide* for SAP BusinessObjects Business Intelligence Suite 4.3 SP4 provides an overview of the features and enhancements that have been added to the SAP BusinessObjects Business Intelligence Suite since the previous release. It directs you to the available product documentation to get you started using the new features.

2 SAP BusinessObjects Business Intelligence Platform

Business Intelligence Launch Pad

- *Any Event option*
 - We introduced the *Any Event* option for the *Events to wait for* during scheduling. This allows the schedule to run when any selected event is triggered, out of multiple events to wait for, instead of waiting for all events.
- *Applying Classification for BI Content*
 - You can classify BI documents (Web Intelligence / Crystal Reports) based on the content's *Sensitivity* by selecting the appropriate sensitivity label. For instance, you can classify documents as "Confidential" or "Internal," etc.
Enabling the *Information Classification Configuration* and configuring it with the organizational Policy server details of your Microsoft Azure Information Protection Platform makes this possible.
The *Information Classification Configuration* application needs to be enabled by the administrator to activate this functionality since it is not a default feature.
- *BI Inbox User experience*
 - The BI Inbox user experience has been enhanced to align with and match the user experience of Classic BI Launchpad.

Server and Install

systemd script

- The BI platform on Unix platform now supports the use of `systemd` scripts for incorporating BI processes as part of system services. This script replaces the existing `init.d` script.
- *New mandatory password criteria for enterprise authentication*
 - The enterprise authentication password criteria has been enhanced further. Administrators now have the capability to configure:
 - Administrators now have the ability to define restricted character sequences that should not be present in passwords.
 - Administrators can now define the number of days for password invalidation due to inactivity.
 - Additionally, they can define the number of days by which an initial password should be invalidated if it is not changed.

3 SAP BusinessObjects Web Intelligence

Data Mode

- [Combining cubes](#)
 - New combine operators are available: Left join with intersection, full join, full join with intersection, inner join.
 - Introducing new combine operators: Left join with intersection, full join, full join with intersection, inner join.
 - Virtual cubes now support a single parent, copying parent objects and datasets.
 - Enhanced flexibility: Combine more than two cubes simultaneously when creating a virtual cube.
 - Redesigned [Edit Keys](#) dialog box for improved usability.
- [Hiding cubes](#): You can explicitly hide a cube.
- [Hiding objects](#): You can explicitly hide an object.
- In Web Intelligence Rich Client or if you are connected through HTTPS, you can copy rows, columns or blocks from the Dataset View and paste them in other tools.
- When a transformation applies to an object, then an icon is displayed beside this object and its cube.
- When you save a document, the user's exploration status is saved as well.

Query

- When creating a query with another Web Intelligence document as data source, you can require this document to be refreshed as well. If this document has prompts, you can answer them at refresh time.
- Data source name and path are displayed in different locations in the user interface: [Advanced Refresh](#) and [Purge](#) dialog boxes, side panels...
- You can create a query on SAP Datasphere using direct access. For more information, see [Building queries on SAP Datasphere artifacts](#).
- When you create a query based on an Excel, Text or CSV file, you can directly upload this file in the BI Platform repository. For more information, see [Building queries on Excel, text files, and Google Sheets](#).
- In Reading mode, you can select the queries to refresh. For more information, see [Flagging individual queries for refresh](#).
- When creating a query on SAP BW, SAP HANA or SAP Datasphere, you can use a detail in a filter.

Prompts

- You can gather optional prompts in group of prompts. [Managing prompts](#)
- When scheduling a document, you can select to retrieve the prompts' answers from the document.
- A prompt hint can be hidden or shown.

Reporting

- You can conditionally hide a column in a vertical table or a line in a horizontal table. For more information, see [Hiding a row or column](#).
 - You can freeze headers in Presentation mode.
 - In Reading mode,
 - When maximizing a chart, you can move in it through a navigation window.
 - You can maximize a custom element.
- For more information, see [Maximizing chart elements in Reading mode](#).

Format Display

- You can define a display format at object level.
- New tokens for compact and currency display or time zone conversion are available to create custom formats.
- You can explicitly delete or unassign a custom format.

For more information, see: [Formatting numbers and dates](#).

Formula Language

The following new functions are added

Data Provider functions:

- [DataSourceDescription](#)
- [DataSourceLocationType](#)
- [DataSourcePath](#)
- [DataSourceParentFolder](#)
- [DataSourceName](#)
- [QueryName](#)

New parameters are supported for:

- [UserResponse](#)

Misc functions

- [ClosingPeriod](#)
- [CustomProperties](#)
- [CustomPropertyValue](#)
- [OpeningPeriod](#)
- [ParallelPeriod](#)
- [PeriodToDate](#)

Hyperlink

- URLs used in Web Intelligence must be explicitly authorized in the CMC.
- Intra-document link can set values for slider, double slider and spinner input control. [Linking](#)
- You can pass custom properties through the OpenDocument URL.
- You can copy the hyperlink of a cell.

Usability

- In Web Intelligence Rich Client or if you are connected through HTTPS, you can copy tables or graphs and paste them in other tools.
- You can search if an object is used in another object's formula.
- Expand all and collapse all content is available in the objects list, formula editor, report structure...
- You can multi-select and delete several variables, references and calendars at once.
- If you close an unsaved document, you are proposed to save it first.
- In Reading mode, you can pin the vanishing toolbar to keep it displayed on screen.
- When defining a relative position, the list of report elements is alphabetically sorted.
- In the document's Navigation Map, sections and sub-sections are displayed as a tree list.
- In the document's Report Structure, you can find a specific report element by its name or sort them in alphabetical order.
- The document's properties display the same properties in all modes. It especially displays document's ID and CUID.
- Hovering the mouse over a prompt or an input control in the Filters Bar opens a tooltip with the selected values.
- You can insert a table, chart or cell by clicking the corresponding insert button in the toolbar.
- New user interface elements can be hidden in the user interface through customization that can be defined in the CMC.
- Categories of custom element's properties can be folded/unfolded.
- Context menu of custom element contains shortcuts to its properties.
- You can set Web Intelligence toggles in the CMC.

Web Intelligence OData

- When retrieving data from a Web Intelligence document, you can refresh the document.
- When refreshing the document, you can answer its prompts.

For more information see, [Specifying the request](#)

Web Intelligence JavaScript API

- New methods are introduced for:
 - Document input control
 - Object's list of values.
 - Communicate through event bus.
- New events are introduced to catch document save.

For more information, see [Web Intelligence JavaScript Reference 4.3 SP4](#)

4 Information Design Tool

The following new features are available in the 4.3 SP4 release of the Information Design Tool:

- You can deny the use of neutral join in a data foundation.
- When a UNV universe is converted into a UNX universe, then the use of neutral joins is denied by default.
- When a set of UNV universes are converted into UNX, a failed conversion does not require user confirmation to convert the other universes.
- When exporting a business layer, you can export the object identifiers used in Translation Management Tool.
- Copy and paste between data foundations keep tables position and display states.

Semantic Layer Java SDK

- New functions are available to get and set object's Database format.
- New functions are available to allow or prevent neutral joins.

5 Data Access

For version 4.3 SP04 of SAP BusinessObjects BI Platform we have provided support for the following database connections:

- Databricks
- Google Cloud SQL

Note

Multi-source universes are not supported for these databases.

6 SAP Crystal Reports

Relational Unx Universe support in Crystal Reports 2020

A new "Universe (Unx)" driver is available since Crystal Reports 2020 (CR 2020) SP04, you can now consume Unx universes built on [relational](#) database. A new Unx Query Panel is also available in CR 2020 Designer, for you to create or modify the universe query for CR2020 Unx reports. Like any other CR2020 reports, these new CR2020 Unx reports can then be saved to, viewed, or scheduled in BI Platform.

See [Reporting on Universes](#) for more detail. See [3371775](#)  for known limitations and usage hints.

Crystal Reports 2020 Fiori Viewer in Open Document and CMC

Crystal Reports 2020 (CR2020) Fiori viewer can be used with Open Document now. User can select between Fiori Viewer or the Classic Web Viewer in user preference, or through an URL parameter. See [sViewer](#) for more detail.

CR2020 Fiori viewer can also be used with Central Management Console (CMC) now, viewer selection option is also added to user preference setting in CMC.

Favorite within Crystal Reports 2020 Fiori Viewer

One more thing, users can easily favorite or un-favorite a Crystal Reports 2020 (CR2020) report now, with a simple click in the CR2020 Fiori viewer toolbar.

Export to password protected PDF

Now users can export password protected PDF from Crystal Reports 2020 Fiori Viewer. Beside that, users can set additional restrictions to the password protected PDF, e.g., disable copy text or disable printing.

Security and platform updates

Various security updates have been applied, including third party and open-source component updates.



New platforms versions and data source versions have been certified. See the https://support.sap.com/content/dam/launchpad/en_us/pam/pam-essentials/SBOP_BI_43.pdf for more information.

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