



PUBLIC

SAP Business Intelligence Suite

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SAP Business Intelligence Suite Release Restrictions

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1 About this Document

This document contains important information about known issues and design restrictions in SAP BusinessObjects Business Intelligence Platform 4.3 SP4. Before you install the software, we recommend that you read the entire document. For more information about this release, see <http://help.sap.com/bobip>.

2 Deprecated Features in SAP BI 4.3

The features listed below are deprecated in SAP BI 4.3.

- Classic BI Launch pad
In SAP BI 4.3, the classic BI Launchpad is replaced with the Fiorified BI Launch pad.
- Desktop Intelligence Compatibility Pack
- Discussion
- Crystal Reports Java Applet Viewer
- Crystal Reports 2020 services on Linux and Unix, since SAP BI 4.3 SP2
For more information, refer to SAP Note [3109523](#) .
- PeopleSoft, JD Edward, Siebel and Oracle EBS authentication (maintenance only)
For more information, refer to SAP Note [2776738](#) .
- Report Conversion Tool
For more information, refer to SAP Note [2801797](#) .
- SAP BusinessObjects BI Widget
For more information, refer to SAP Note [2837139](#) .
- SAP BusinessObjects Explorer
For more information, refer to SAP Note [2824537](#) .
- SAP Crystal Dashboards and Presentation Design
For more information, refer to SAP Note [2739919](#) .
- Upgrade Manager
- Upgrade Management Tool
For more information, refer to SAP Note [3111212](#) .

3 Known Issues


3.1 SAP BusinessObjects Business Intelligence Platform

Upgrade to 4.3 SP02 from BI versions Prior to 4.2 SP04



Upgrading to SAP BusinessObjects BI Platform 4.3 SP02 from Versions prior to 4.2 SP04 throws error: "Either the remote CMS cannot be reached, or the logon credentials are incorrect. INS00013".

For more information, refer to SAP Note [3125729](#) .

SAPJCE error information in APS Logs

SAPJCE related info is coming as errors in the APS logs. For more information, refer to SAP Note [3125648](#) .

Web Services

- The web services are not accessible when you deploy dswsbobje.war on WebSphere Application Server V9 if it is deployed on SUSE Linux Enterprise Server 12 SP02. For more information, refer to [2738703](#) .
- When the BI platform is installed on AIX, then the deployment of dswsbobje web application on WebSphere V9 application server fails. For more information, refer to [2753212](#) .

Business Intelligence Launch Pad

Previously, under [Recently Run](#), the [View All Recently Run](#) option redirected you to the [All Recently Run](#) page that had an option to convert the List view of the recently run documents to Tile view.

Whereas, now the [View All Recently Run](#) option redirects you to the [Schedule Instances](#) page where the Tile view option is not available.

Central Management Console (CMC)

CMC is not supported for weblogic servers, a different supported application server has to be used to deploy CMC.

Safari crashes when subscribers are added to a notification

Safari crashes when you add subscribers to a notification in the [Manage Subscribers](#) page. For more information, and the related workaround, refer to [2206133](#) .

BI Administrators' Cockpit

- Usage count indicates the view events available in Audit DB. There can be inconsistency in usage count with different applications, since different applications write to Audit DB differently for a view event. For example, in the case of Web Intelligence, View events are generated both for viewing and scheduling. But, for Crystal Reports, View events are generated only for viewing and not for scheduling.
- Users can experience a performance issue when working with large repositories. For more about tuning large repositories, refer to [SAP BusinessObjects BI Sizing Guide](#).
- In BI Administrators' Cockpit, the following is a list of data that won't be translated after changing the Product Locale and the Preferred Viewing Locale:

Server

- Type of Server
- Status of the Server: Running /Failed/Stopped
- State of the Server

Document Last Instance

- Status
- Type

Content usage

- Active and Inactive content
 - Content Type
- BI Administrators' Cockpit might not work when BOE web application server (for example: Tomcat) and WACS are deployed on different domains.
 - In Mozilla Firefox, BI Administrators' Cockpit shows the error message "Network error occurred for all dashboards". This error occurs when you enable Trusted Authentication in CMC for WACS server and enable mutual authentication on a web application server (for example: TOMCAT).

OpenDocument

When opening a document using an OpenDocument link and the session is about to expire, the session timeout warning message is displayed in a DHTML dialog box.

Promotion Management

- When you try to promote InfoObjects like folders and reports that have been deleted on the destination system, an error occurs. Empty the InfoObjects from the recycle bin to avoid this issue.
- When SSL is enabled in SIA or in a web application server, the Promotion Management Tool cannot connect to versions lower than BI 4.2 SP4.

Note

You can use the Promotion Management Tool by installing a patch in versions lower than BI 4.2 SP4 or by disabling SSL. For more information on patch installations, refer to [2413907](#).

Monitoring

- You cannot refresh the 'MonitoringTrend Data-Sample' Web Intelligence document, as Connection Server support for the Derby database has been discontinued in SAP BusinessObjects Business Intelligence Suite 4.2. Any universe or Web Intelligence documents based on Derby therefore do not work. If you want to do reporting, select another supported database for storing your Monitoring data.

Note

For a list of supported databases, see the [SAP Product Availability Matrix \(PAM\)](#).

- Snapshot feature is unavailable in the new monitoring solution.
- Grouping or ungrouping functionality is not available in the new monitoring solution.
- Status inconsistency in watch status and watch details pane.
- Watch details pane displays **999** for derived metrics where data is unknown.
- Deleting a watch won't delete its respective watch in the [Alerts](#) page.
- Adobe Flash-based [Monitoring](#) application is removed from the BI platform.
- The fields [Metric Name](#), [Watch Name](#), and [Boolean expression](#) in the [Monitoring](#) application doesn't support special characters.
- In [Edit Watch](#) page, when you switch to [History](#) toggle button and change the end date to any date earlier than the current date, then occasionally, the end date is set back to current date.
- If you've set the default language to a non-English language, then an error is displayed occasionally while creating a [Watch](#) or a [Metric](#).
- The [Watch](#) status is not displayed correctly in non-English languages.

BI Commentary

- When you copy and paste a document, the comments on the document are not copied.
- In Solaris, you need to set `ddl_tran` to 'true' for non-master databases to work with BI Commentary.
- On a Solaris machine, when you configure BI Commentary with SQL Anywhere database and use BI Commentary on a Web Intelligence document, Connection Server is restarted.

Workaround: To use SQL Anywhere ODBC driver directly as a driver manager (without Unix ODBC Driver), you need to create symbolic links so that the ODBC driver manager request gets routed to the SQL Anywhere ODBC driver. From the lib64 subdirectory, execute the following commands:

- ```
/usr/u/acuser/BusinessObjects42/sqlanywhere/lib64
ln -s libdbodbc16.so libodbc.so
ln -s libdbodbc16.so.1 libodbc.so.1
```
- Restart Connection Server.
- The cleanup of comments isn't reflected straight away in the BI Commentary database.

## Translation Management Tool (TMT)

Importing Crystal Report for Enterprise document fails. It throws the following error:

```
com.crystaldecisions.sdk.occa.report.lib.ReportSDKException
```

## Workflow Assistant

- If the Scenario is selected as part of Job creation (under Promotion Management), and you click the [Manage dependencies](#), an internal server error is thrown both in live to live or live to BIAR cases.
- You can promote the Workflow Assistant artefacts such as scenarios, workflow templates, and systems through Promotion Management Tool. However, the functionality is not supported at the destination machine.

## JD Edwards EnterpriseOne Authentication

A JD Edwards EnterpriseOne user cannot login to CMC after an administrator has configured JD Edwards EnterpriseOne authentication.

## Configuring SSL on WACS

The keystore and key passwords must be identical if you are configuring SSL on WACS.

### → Tip



You can use Tomcat application server to set different passwords for keystore and key.




## ONE Installer

In the update scenario of ONE Installer, new language selection in [Select Language Packages](#) window does not take effect. In order to install additional languages, invoke the [Modify](#) option post installation and select the additional languages to be installed.

## LDAP plugin

- Updating the LDAP plugin in the CMC generates an error: *The security plugin failed to verify the SiteMinder agent name or the SiteMinder agent shared secret.* Make sure to update your Microsoft VC Redistributable Library. For more information and workaround, refer to [SAP Note 2741826](#) .
- On Linux deployments, the BI server communicates with the LDAP server using TLS 1.0 protocol during LDAP authentication. The LDAP server being configured with TLS 1.1 and 1.2 protocols, the communication fails between servers. For more information and workaround, refer to [SAP Note 2623529](#) .

## MySQL 8.0

MySQL 8.0 is supported in SAP BI 4.2 SP7 as CMS and Audit DB. However, an error occurs when installing MySQL 8.0 and using the [Use Strong Password Encryption for Authentication](#) method: "Authentication plugin 'caching\_sha2\_password' cannot be loaded.". For more information and workaround, refer to [SAP Note 2733936](#) .

## Theme Designer

The Theme Designer was developed specifically to customize the BI Launch Pad. However, some properties exposed in Theme Designer can also impact other web applications that don't support custom themes such as Web Intelligence, making the UI unstable. Please make sure your customization has limited impact on other applications.

## 3.2 Data Access

### Simba ODBC Network Layer, Bigdata ODBC Connectors do not work on Suse12 and Redhat 7 platforms

Simba ODBC Network Layer, Bigdata ODBC connectors do not work on Suse12 and Redhat 7 platforms, as the Simba driver is not supported and is incompatible for the following connectors:









- Amazon Redshift
- Apache Spark 1.0
- salesforce.com

## Connection Server crashes on MS SQL Server with Unix ODBC 2.3 driver manager on Linux in distributed environment

If you use SQL Server driver with Unix ODBC 2.3 driver manager on Linux in distributed environment, Connection Server crashes.

## 3.3 SAP BusinessObjects Web Intelligence

### Data Mode

- When a document contains multiple queries, switching from Data mode to Design mode takes longer than in 4.3 SP3. For more information, refer to SAP Note [3387800](#) .
- Custom order does not apply on an object on which a transformation applies. For more information, refer to SAP Note [3476785](#) .
- Hiding an object used as a key in a combination cube does not impact the resulting cube. For more information, refer to SAP Note [3476805](#) .
- After deleting a query, a combined cube that depends on this query cannot be edited anymore. For more information, refer to SAP Note [3476771](#) .
- Dynamic recipient based on a combined cube are not taken into account in a publication. For more information, refer to SAP Note [3415900](#) .
- Geo sub-objects (Lat,Long,Name) still appears in AOT after hiding query in Data Mode. For more information, refer to SAP Note [3470713](#) .
- It is not possible to create a geo-dimension or a time dimension on a virtual cube created in Data mode. For more information, refer to SAP Note [3470723](#) .
- If a document contains hidden objects, they should not appear when using it as a data source for another document. For more information, refer to SAP Note [3470651](#) .

### Document Design

- Color palette doesn't apply to some type of charts.
- It is not possible to remove the dimension from an axis of a cross table if it contains only one dimension.

- It is not possible to hide a column if it contains a formula with a variable.
- No error message refreshing or editing a report based on a recently removed Excel file located in Google Drive.
- On Windows server, SAP-icons font must be manually installed.
- Disabled or removed custom element is not displayed properly.
- SAP Datasphere: Objects order is different in the Query Panel and the Main > Objects tab.

## Formula Language

- The DocumentPath and DatasourcePath functions may return inconsistent paths.
- Time Dimensions functions are not translated.
- Wrong values returned by functions Connection, DataProviderType, QuerySummary for SAP Datasphere.
- QuerySummary is not updated when objects of SAP Datasphere view are updated.

## Web Intelligence as a data source


- When refreshing a document using another Web Intelligence document based on HANA views, dynamic default values for HANA variables are not evaluated when the *Keep data up-to-date on refresh* option is enabled.
- When refreshing a document using another Web Intelligence document having multiple data providers, the sort order of displayed prompts is different of those of the document source when the *Keep data up-to-date on refresh* option is enabled.
- When refreshing a document using another Web Intelligence document based on an UNV universe with keydate, no data are retrieved when the *Keep data up-to-date on refresh* option is enabled.
- When refreshing a document using another Web Intelligence document with the *Keep data up-to-date on refresh* option enabled, an error occurs if a measure variable or a geo dimension is used as result object in the query panel.
- When using Web Intelligence as a data source, the report consuming it is not updated with new data when refreshed if the source document is still open.
- When refreshing a document using another Web Intelligence document, incorrect data is for time dimension objects.

## Hyperlinks and URL



- In the Hyperlink dialog box, when parsing URL with escaped characters, these characters are converted into their interpreted values.
- After having authorized an URL in the CMC, you need to modify a document using it or clean the Web Intelligence cache to have it enabled in Web Intelligence.
- If a document's query is based on an unauthorized OData URL, the whole document refresh fails and the other queries are not refreshed.

- When adding an URL in the Hyperlink dialog box, the cell's formula may be invalid.
- When Preferred Viewing Locale is set in German (Switzerland), number does not display properly in Hyperlinks.

## Web Intelligence Rich Client

- With Microsoft Active Directory Single Sign-On authentication, the last login information is kept in the credentials fields and must be cleared to allow login. For more information, refer to SAP Note [3415021](#) 

## Scheduling/Publishing

- Microsoft Drive destination listed as "Unknown Destination" for Web Intelligence schedules if OAuth is not properly configured. For more information, refer to SAP Note [3415957](#) 
- The selection of All Events or Any Events is not displayed in History Status or Instance Details of a Web Intelligence report. For more information, refer to SAP Note [3415938](#) 

## 3.4 Information Design Tool

### Information Design Tool

- Retrieving universe from the BI Platform repository has an incorrect name, even if the Preferences Settings has been changed.

### Semantic Layer SDK

- After universe conversion, the list of excluded joins is empty and the data foundation cannot be saved.
- If neutral joins are not authorized, the lists of included and excluded joins are not consistent.
- Impossible to create a shortcut for a connection containing a quote in its name.

## 3.5 SAP BusinessObjects Analysis, edition for OLAP

### **Break hierarchy is not supported for hierarchy variable**

If you apply sort in hierarchy variable in the SAP NetWeaver Business Warehouse (BW), then break hierarchy is not supported in the Analysis edition for OLAP workspace.

### **Drill up and drill down are not supported on the cross tab after applying break hierarchy**

When you apply break hierarchy for any dimension or measure, the drill up and drill down functions are not supported on the crosstab.

### **Currency translation is not supported if SAP BW does not have any currency measure**

If SAP NetWeaver Business Warehouse (BW) query does not have any currency measure, then currency translation is not supported by SAP BW in the Analysis edition for OLAP workspace.

### **Hide total does not work if you apply break hierarchy**

If you apply break hierarchy and you want to hide the total for the dimension or measures, the hide total function does not work.

### **Changing member names from key to text is not supported by HANA HTTP**

In the Analysis edition for OLAP workspace, changing the member names from key to text is not supported by the HANA HTTP data connection.

## **Single Sign On is not supported for OLAP HANA 2.0 connections configured with a tenant**

Single Sign On is supported only when the OLAP HANA 2.0 connection is configured with a data source, including a hostname and port.

## **3.6 SAP Crystal Reports 2020**

### **Usage tips and known issues of the new Crystal Reports 2020 Fiori Viewer (4.3 SP03+)**

See SAP Note [3240950](#) .

### **Usage tips and known issues of the new Crystal Reports 2020 relational Universe (Unx) driver (4.3 SP04+)**

See SAP Note [3371775](#) .

### **HTTP dynamic image doesn't support "Fit to Box"**

Display method "Fit to Box" is only available for DB (BLOB) dynamic image in SP03. It is not available for HTTP dynamic image yet.

## **3.7 SAP Crystal Reports Viewer 2020**

### **Issues related to 64-bit Crystal Reports Viewer 2020**

Refer to [2918604](#)  for the list of known issues and their current status.

## 3.8 SAP Crystal Reports for Enterprise

### Crystal Reports for Enterprise DNS-Less ODBC connectivity

When creating a DNS-Less ODBC connection in Crystal Reports for Enterprise 4.3, related dropdown list doesn't work. Find the exact driver name in ODBC Administrator tool, and type in the driver name manually. For more information, check the *Connecting ODBC data without DSN* section in *Crystal Reports for Enterprise User Guide*.

### Waterfall sample report can't be refreshed

It's not possible to refresh the Waterfall sample report. Viewing this sample without refreshing it works fine.

### Issues related to 64-bit Crystal Reports for Enterprise

Refer to [2918549](#)  for the list of known issues and their current status.

### Oracle ODBC Direct to Data (D2D) is not fully functional

Use Oracle OCI or JDBC when necessary.

## 3.9 Integration Option for Microsoft SharePoint


### Changing Passwords in SharePoint (BW and Enterprise)

- When you change the password (Enterprise) of SharePoint site in the [Preferences](#) page, of the SharePoint site, it crashes and displays that the SharePoint site is under maintenance.
- When you change the password from the [Logon](#) page, you can see an exception. However, you cannot log into the BI Platform.

→ Tip

Clear the browser cache, and retry changing the password.

## Opening CR/CR4E instance in mHtml format


While opening a Crystal Reports or Crystal Reports for Enterprise instance scheduled with mHtml format for first time, the download fails with an exception. For more information, refer to [2912619](#) .



## 4 Restrictions

### 4.1 SAP BusinessObjects Business Intelligence Platform

#### Restrictions Related to SAP BusinessObjects Design Studio 1.x


SAP BusinessObjects Design Studio 1.6 SP07 is compatible with SAP BusinessObjects Business Intelligence Platform 4.2 SP06 and earlier versions only. For more information, you can refer to [SAP BusinessObjects Design Studio 1.6 Product Availability Matrix](#).

#### Restriction Related to Exporting and Importing Excel Feature in the Translation Management Tool (TMT) User Interface

Exporting and importing Microsoft Excel (.xls file) feature is implemented as part of the TMT SDK, but not of the TMT user interface.

#### Restriction Related to MetaspaceSize

In SAP BusinessObjects Business Intelligence Platform 4.3 Support Package 02, a new parameter `MetaspaceSize` is introduced to avoid the unwanted Garbage Collections and also Full Garbage Collection within the Java Process related to Adaptive Processing Server(s), WACS and also to improve the initialization experience.

In Upgrade/Patch Scenario, this parameter is not added by default to APS, WACS servers. For more information, please refer to SAP Note [3125747](#).


#### Restrictions Related to BI Administrators' Cockpit

- BI Administrators' Cockpit is listed under the Applications tab. You can't perform any configurations related to BI Administrators' Cockpit from within the Applications tab. However, at present, it is only a placeholder.
- Due to an issue with Firefox, when you enable 2-way SSL on Tomcat and enable Trusted Authentication in WACS, you get an **Internal Error** message while trying to view the BI Administrators' Cockpit page.

## Restrictions Related to BI Administrators' Cockpit REST SDKs

- Lumira documents created on a universe (UNX) are not included in the statistics:  
When you create a Lumira document on any universe of type UNX, the Lumira document count is not saved on that universe. For example, if you have created three Web Intelligence document on universe X, the statistics displays that you have created three documents on universe X. Now, if you create a Lumira document on the same universe X, the document count is not incremented to four.
- Information Space created on a universe is not included in the statistics:  
When you create an information space on any universe, the information space count is not modified on that universe. For example, if you have created three Web Intelligence documents on a universe X, the statistics displays that you have created three information spaces on universe X. Now, if you create an information space on the same universe X, the information space count is not incremented to four.

## Restrictions Related to SAP BI Launch Pad

- Information Classification is only available on Windows Platform.
- The [Download](#) button is not available in *BI Inbox* folder.
- [Theme Designer](#) application is supported only on Tomcat and JBoss application servers.
- You can see the [Inbox](#) and [Alerts](#) tabs even when you do not have the rights to view them. However, these tabs are disabled and you cannot perform any action on them.
- Except for Web Intelligence and Lumira documents, the OpenDocument URL opens in the classic viewer.
- You can Cut, Copy, and Paste only 100 objects at a time.
- SAP Jam integration for collaboration is not supported.
- Scheduling Crystal Reports with format type as XML is listed in [Instances](#) tile as an agnostic document. It is listed in report [History](#) page correctly as a Crystal Reports XML document.
- When you choose a [Recurring](#) calendar to schedule your report, the recurring calendar days are not highlighted in the calendar.
- The following security plug-ins (authentication providers) won't have any new updates:
  - Oracle E-Business Suite (Oracle EBS)
  - JD Edwards EnterpriseOne
  - PeopleSoft Enterprise
  - Siebel Web Client / Tools / Business ApplicationsFor more information, refer to [2776738](#) .
- For Integration Option for Microsoft SharePoint, certain content specific web parts are deprecated. The deprecated viewers are:
  - Crystal Report viewer
  - Xcelsius viewer
  - Analytical Report viewer
- Some settings set by a user in SAP BI 4.2 are not kept when upgrading to 4.3. as the Page preference UI and values are changed. For example, if the user setting in landing page is Home in combination with any value of landing filter, it would be Custom Group with Recent Documents as landing group after the upgrade. This is applicable for CMC (user group Fiori preference) and in BI Launch Pad.
- The retry option does not work with multiple destinations if any one of the destination is failed.

## Restriction Related to Virus Scan Interface

Virus Scan Interface (VSI) is not supported on Solaris. If you install SAP BusinessObjects Business Intelligence platform on Solaris OS and enable VSI, files are not scanned for virus.

## Restriction Related to BI Commentary

Ten extraneous rights with suffix (BI Commentary (owner right)) are automatically generated by the system. They currently have no significance and must be ignored.

## Restriction Related to Publications with Dynamic Recipients

Working with Publications with Dynamic Recipients exceeding 100000 in number can lead to Performance Degradation in the Publication. It means, when you work with publications with dynamic recipients exceeding 100000 in number, multiple scope batches are not generated. This can lead to performance degradation in the publication.

**Workaround:** Try to limit the dynamic recipients to a smaller number.

## Restrictions Related to CMS (Central Management System) DB Driver

- In Information Design Tool while creating new Relational connection using CMS DB driver, [Business objects credential mapping](#) Authentication mode is not supported.
- While performing query, the following operators are not supported with the CMS DB Driver:
  - Both
  - Except
  - Between
  - Not Between
- Technical queries help you to explore various technical values of the properties (apart from the name and value) such as property level, path, and whether it is a property bag or not. It is a new feature and currently supported for Web Intelligence and Information Design Tool only.
- [Query Filters](#) applied on Relationship objects are not supported with CMS DB Driver.

## Restrictions related to Pagination in Central Management Console and BI Infoview

The total page count / total page number displayed in infoObjects listing in both Central Management Console (CMC) and BI Infoview shows incorrect value if the *View Security* right is denied on few objects for a given user.

When the View right is denied for few (> 100) of the infoObjects, and you navigate to the [Folders](#) listing, the total page count is displayed incorrectly. The correct page number is shown once you go to the last page.

As part of the solution, the page number will now show as:

- 1 of 1+ when you are in 1st page and 5 of 5+ when you are in 5th page and so on.
- Also, the total count is now shown as 50+ when you are in the 1st page (i.e. if page size is 50), 100+ when you are in 2nd page and so on.

## Restrictions Related to Security

- If the SSL Authentication is chosen as Server or Mutual while configuring LDAP authentication, then the BI platform supports TLS v1.2 secure protocol for communication with the LDAP server.

### Note

The BI platform supports TLS v1.0 for communication with the LDAP server if the BI platform is installed on Linux.

- The CMS crashes when you enable SSL on SIA in a Solaris machine.

### Note

Disable SSL while working on a Solaris machine to prevent crashing of CMS. For more information, refer to [2426551](#) 📄.

- Service provider implementation for SAML is supported only for Tomcat, WebSphere, and JBoss application server.
- SAML Implementation is supported for BIP thin clients (BI Launch Pad, Central Management Console, and OpenDocument).

## Restriction Related to Promotion Management

If you promote multiple federated objects in a folder without checking the [Include federation relationship](#) option, the federation icon is not displayed on the selected folder. To ensure that the federation icon is displayed, check the [Include federation relationship](#) option.

## Restrictions Related to Workflow Assistant

- If you upgrade from any older version of BI Platform to 4.3 Patch, and the Workflow Assistant folders are not listed, then refer to [2882649](#) 📄.
- For AIX and Solaris platforms, when you install BI 4.3 version on 4.2 SP05 or later versions, Workflow Assistant is installed by default. However, a repair is required in order to get the backend services.

- Workflow Assistant can be deployed only on SAP NetWeaver 7.5 SP05 and the Tomcat that is bundled with the BI platform install or support package. You must deploy the web application with the default deployment options and should not choose any custom configurations for the application servers.
- Workflow Assistant is supported only on Microsoft Edge, Internet Explorer 11, Mozilla Firefox 68.x, and Google Chrome.
- Landscape, Scenario, Workflow Template, Task Template, and Agent objects are not supported in Promotion Management scenarios.
- Addition of *Systems* in Workflow Assistant supports only three authentication types:
  - Enterprise
  - LDAP
  - Windows AD
- Addition of *Systems* in Workflow Assistant does not support SSO for any authentication type.
- Managing Application Rights: With appropriate application specific rights, you can decline or carry out certain tasks in Workflow Assistant. But if required, the view scenario and view landscape rights can be denied as the below mentioned items do not have separate rights. Also, custom rights are not available for the following:
  - Stop Scenario for all combinations
  - View results, View history, and Download results
  - Modify/View user credentials on landscape

## Restrictions Related to SAML 2.0 Authentication

- In BI 4.2 SP06 or later, the BI Platform SAML support in WebSphere works only on websphere9.
- SAML support for RESTful web services through JBoss application server is available only for JBoss EAP 7.1.
- If the BI Platform has a custom installation with Java web application and a WACS server used for BOE deployment only, a new Tomcat folder jar is installed even though.
 

```
<BOE_INSTALL_DIR>\tomcat\webapps\BOE\WEB-INF\lib
```

```
<BOE_INSTALL_DIR>\tomcat\webapps\biprws\WEB-INF\lib
```

 No instance of Tomcat is installed, only path and jar files are installed.
- If the BI Platform has a custom installation, with a Java web application for BOE deployment only, a new Tomcat folder with all SAML jar files is installed even though.
 

```
<BOE_INSTALL_DIR>\tomcat\webapps\BOE\WEB-INF\lib
```

```
<BOE_INSTALL_DIR>\tomcat\webapps\biprws\WEB-INF\lib
```




 No instance of Tomcat is installed, only path and jar files are installed.

## Restrictions Related to BI Workspace

- BI Workspace in BI Launch Pad doesn't support the following modules:
  - Collaboration Feed
  - My Applications
  - SAP StreamWork Feed

- BI Workspace created in a previous version of BI such as BI 4.2 or BI 4.1, which has a custom layout, when opened in BI 4.3 opens in [Free Form](#) layout.
- If the BI workspace is created in BI 4.2 or BI 4.1, and has unsupported modules, the unsupported modules will be deleted on saving the BI Workspace.
- BI Workspace do not support Group modules, BI Launch Pad Modules and Document Explorer Modules.

## Limitations on Deployment of BI 4.3 Weblogic 12C Application server

- Deployment of Central Management Console is not supported on Oracle Weblogic 12C application server. For more information, please refer the [2900108](#) .
- When viewing a crystal report based on SAP BW Query that has a variable in BI Launch Pad application, the prompting dialog cannot popup. For more information, please refer the [2900993](#) .
- Deployment of Client API application is not supported on Oracle Weblogic 12C application server. For more information, please refer the [2900673](#) .

## 4.2 SAP BusinessObjects Live Office


### Web Intelligence Commentary in Live Office

- Do not remove or edit the 'LiveOffice\_ID' line in the Excel cell's comment for Web Intelligence cell.
- Web Intelligence chart comments are not supported.

### Export Web Intelligence tables or cells as pictures in Live Office

- When you retrieve a Web Intelligence page header or footer, its background picture is imported as a single one.

### .Net Framework support in Live Office

- Live Office does not work if the machine enables .Net Framework 3.5 and .Net Framework 4.x synchronously. For more information, refer to the SAP Note [2715292](#) .

## 4.3 SAP BusinessObjects BI Platform SDKs

### Restrictions regarding RESTful Web Services

- Personalization not supported:  
For publication, personalization is not supported for enterprise and dynamic recipients.
- Filtering not supported:  
For publication, filtering is not supported for dynamic recipients.
- Setting output format preferences is not supported:  
For publication, setting output format preferences is not supported for all the available format types.
- For the REST API to fetch calendar dates ([http://<baseUrl>/v1/calendars/<calendar\\_ID>/dates](http://<baseUrl>/v1/calendars/<calendar_ID>/dates)) for scheduling, the API does not display expected behavior for **recurring calendars**.

### Restrictions regarding Translation Management Tool (TMT) SDK

- The TMT SDK does not throw an exception when same locale is added 'N' times:  
The TMT SDK allows you to add same locale 'N' number of times, and also prints the locale 'N' number of times without throwing an exception.
- The TMT SDK does not throw an exception when you try to remove a locale that is not a part of available locale:  
If you try to remove a locale that is not a part of available locales, no exception is thrown.  
For example, you have the following list of available locales:
  - *French*
  - *Arabic*
  - *Russian*
  - *Japanese*Now, if you try to remove the *Italian* locale, the TMT SDK does not throw an exception.

## 4.4 Data Access

### SAP Data Warehouse Cloud

Avoid the use of special characters in the connection password. Some combinations will not work. When testing the connection with the information design tool, a parse error occurs: "General error;1033 error while parsing protocol".

## 4.5 SAP BusinessObjects Web Intelligence

### Data mode

- You cannot apply transformations on multidimensional datasets and use hierarchies as keys to combine cubes.
- Transformed and combined cubes are not supported in shared elements.
- [Data](#) mode does not support delegated measures.

### Web Intelligence deployment

If you add more Adaptive Processing Servers to your Web Intelligence deployment, please ensure that the added instance does not contain the Commentary Service.

### Query as a Web Service & Document as a Web Service

Query as a Web Service & Document as a Web Service have been replaced with the new Document as a source feature (4.3 SP0) that allows to build queries on existing SAP BusinessObjects Web Intelligence documents. Please refer to [Building queries on Web intelligence documents](#) for more information.

- Query as a Web Service Designer is no longer delivered in SAP BusinessObjects BI client tools install
- Document as a Web Service feature has been removed from SAP BusinessObjects Web Intelligence Rich Client
- Both are no longer available as data sources to build queries in SAP BusinessObjects Web Intelligence

With 4.3 SP2, it will be possible to create a Web Intelligence Data Provider based on a Web Intelligence OData Web Service from another BOE server. Refer to the [Web Intelligence documentation](#) for more information.

If you want to use existing Query as a Web Service & Document as a Web Service, you can leverage SAP BusinessObjects RESTful Web Service SDK, please refer to the [SAP BusinessObjects RESTful Web Service SDK User Guide for Web Intelligence and the BI Semantic Layer](#).

### Text, Excel, Free-Hand SQL, Google Spreadsheet and OData data sources

The following query capabilities are not yet supported for the Text, Excel, Free-Hand SQL, Google Spreadsheet and OData data sources:

- Combined queries
- Sub-queries and list of values of objects when defining a filter. Only constants and prompts are supported.



- Query stripping




## Web Intelligence Rich Client

- The Rich Client and BIP server must not be installed on the same machine.
- Samples can only be refreshed in online mode.
- Creating a document based on a universe (.UNV and .UNX) in Offline mode is only possible with local universes.
- Importing universes is not supported.
- Relative OpenDocument links with no complete URL path specified are not supported.
- The following functionalities do not work in Web Intelligence Rich Client Standalone mode:
  - Prompt variants
  - Commentary
  - Shared elements
  - Publish documents to a CMS
    - As a result, the corresponding [Import](#) tile on the Web Intelligence Rich Client portal page and the [Publish to BI Platform Repository](#) option of the [Save](#) button menu are not displayed.

## Geomaps

- You cannot geo-qualify hierarchies.
- The country borders used in Crystal Reports and Web Intelligence's default geographic maps are generated through data provided by our third party service providers. Please note that local laws and regulations may stipulate local compliance requirements or restrictions relating to the use and/or display of geographic maps. Please assess if the default geographic maps in Crystal Reports and Web Intelligence meet the requirements of local laws and regulations before you use the geographic maps. Otherwise, please do not use the geographic maps.
- The default precision value for a geomap provides not enough detail, resulting in imprecise rendering. To improve accuracy, adjust the precision value from **5** to **0** in the style settings of the geomap block.

## Commentary

- It is not possible to insert a comment when the client and server applications are installed on the same machine. The following error is generated: *Unable to insert comment (WIS 00074)*.  
Workaround: The Audit database uses an ODBC connection and the Rich Client uses a 32-bit software. When you install a client/server on a 64-bit OS, you have to create the exact same ODBC connection on 64-bit and 32-bit.
  1. Go to the [Central Management Console](#).
  2. Click  [Applications](#)  [BI Commentary Application](#)  and check which ODCB connection is used for the BI Commentary service.

3. Check if the BI Commentary service uses the audit database or another database.  
If it's another database, note the name of the database connection specified in the commentary parameters page.
  4. If the BI Commentary Service uses the audit database, on the [Central Management Console](#) main menu, click [Audit](#) to get access to the parameters. By the default, the connection name is `BI4_Audit_DSN`.
  5. Run the 64-bit ODBC Manager from the [Control Panel](#).
  6. Copy the ODBC connection parameters of the database (name, hostname...).
  7. Run `<WINDOWS_INSTALL_DIR>\sysWOW64\odbcad32.exe`.
  8. Duplicate the 64-bit connection in 32-bit using the exact same connection name and parameters.
- Contextual comments are not implemented. If you change your prompts values, your comments will still show up.
  - You cannot use comments when using the Rich Client and an HTTP connection between the client and the BI platform. The commentary service is not available.

## Cannot consume Analysis Views

Analysis edition for OLAP queries built with Analysis edition for OLAP and based on SAP HANA views are not supported in Web Intelligence and generate an error.

## Change source preserves the manual entry of prompt multivalue

When changing the source of an object that contains a multivalue parameter to a source that contains an interval parameter, the new prompt is still shown as multivalue.

## BEx variables based on Dynamic Default Values do not work on authored BEx UNX universes

In the Query Panel, dynamic default values aren't updated upon refresh.

## New security rights default value when promoting with Lifecycle Management or Promotion Management

When you use Lifecycle Management or Promotion Management to move content from a previous SAP BI 4.x release into a SAP BI 4.3 repository, the new security rights ("Query: Edit Free Hand SQL", "Query: View Free Hand SQL") are denied by default and not set from the previous "Query script - Enable editing (SQL, MDX, ...)" or "Query script - Enable viewing (SQL, MDX, ...)" security rights.

## Web Intelligence obsolete and not yet supported security rights

In the Central Management Console, some security rights that are no longer applicable in Web Intelligence are still displayed. They can be identified with the “Obsolete\_” prefix. The security right “Left pane - enable document summary” is also obsolete, although it is not prefixed with the “Obsolete\_” tag.

Some other security rights are still displayed but the features they are supposed to cover are not yet implemented:

- Desktop: Enable local data providers
- Desktop: Print documents
- Desktop: Send by e-mail

## Resizing report elements

- Mobile and touch devices are not supported.
- It is not possible to resize a report block through a user setting or the keyboard.
- A cross table cannot be resized (no handles are displayed).

## Moving report elements

- Lasso selection is not supported on mobile devices.
- Moving of report elements is only possible in *Design/Structure* mode.
- It is not possible to move report elements into the report margins.
- The selection of multiple report elements is not supported on mobile devices.

# 4.6 Information Design Tool

## Universes

### Column headers in Query Panel prompts

Column headers cannot be translated.

### Periods in the Query Panel

Periods shown either in the Query Panel list of values or prompt dialog should be the ones which actually contain membership. However, they always start from period number 1 (and not the base period), and stop at the last built period: any gaps are not taken into account (non-built periods between the very first period and the last built period are displayed).

## **Security Editor**

There can be some errors if you close your CMS session and you try to perform some action in the Security Editor, the Project Synchronization panel, and in the Repository Resources panel.

## **Microsoft SQL Server Analysis Service connections**

No activity with a Microsoft SQL Server Analysis Service connection can generate a timeout.

## **BW authored universes using BICS**

The presentation definition set on a characteristic is not kept when variables are viewed in the Set Variables list of values.

## **Adaptive Processing Server error messages**

Errors returned by the materialization service hosted by the Adaptive Processing Server (APS) are not localized.

## **Multi-source universes**

### **Changing the BW connection catalog name**

If you change the catalog name of a BW connection, you have to re-edit and save the data foundation based on this connection, then republish the universe.

## **Stored procedures universes**

### **Stored procedures universes support**

Stored procedures universes are not supported in SAP BusinessObjects Dashboards, SAP BusinessObjects Live Office, SAP Crystal Reports 2016, SAP Design Studio, and SAP Lumira.

### **'Current date' should not be used**

When a stored procedure uses a value that uses the current date, then the stored procedure will be invalidated because the stored procedure, by its nature, is unable to contain parameters that use the current date. This kind of action is not supported.

### **Linked universes not supported**

Although it is possible to create linked universes in stored procedures, they are not supported.

### **Check Integrity on stored procedure tables**

Running Check Integrity on stored procedure tables can give unexpected error messages.

## Sets

### CMC: Set container scheduling

You can only schedule a single set or a single group of sets.

### Query Panel prompts: column headers can't be translated

Periods in the Query Panel: periods shown either in the list of values or prompt dialog should be the ones, which actually contain membership. However, they always start from period number 1 (and not the base period), and stop at the last built period: any gaps are not taken into account (non-built periods between the very first period and the last built period are displayed).

### Subjects containing Unicode values

For Microsoft SQL Server, if the UNICODE\_STRINGS universe properties is set to Yes, then you cannot build a set based on a subject based on a table column, which contains Unicode characters. You can edit the Subject name so that it does not contain Unicode characters.

### Scoring

Scoring is only applied on a step by step basis and therefore not tailored for Temporal sets on a period by period basis.

### Visual Data step: Custom value for date type objects is not supported.

Only use the proposed data formats.

### Visual Data step: custom values for numeric type

Only use integers for custom numeric type values in the Visual Data step editor.

### Visual Data step: Measures must be at the last step position in a set.

Once you have added a measure-based step, you cannot add further steps (unless they are also measure-based steps).

### Visual Data step: You can only use one measure

Adding a measure is now restricted to one measure only. No objects are allowed after this measure.

### Query Panel step: incompatible objects are not supported.

Ensure your queries consist of objects that are compatible with the other steps in the set.

### Freehand custom SQL

When creating sets with custom SQL, ensure that custom SQL select items/result objects are assigned an alias "as id" or "as id1" depending on the number of subject keys:

#### Sample Code

```
SELECT DISTINCT
 customer_id as id
FROM
 "sets"."customer_data"
```

## Changes to the database

When making changes in the *Database* tab in *Manage Set Containers*, there should be no Set editors open on any client machine. If it is the case, close and reopen them after the changes are performed.


## Renaming tables

Any table can be renamed if the existing tables have no data and the target tables do not exist or are empty.

- If any table contains data, the user is forced to rename all tables.
- If the user starts renaming an empty table to a table with existing data, all tables must be renamed.
- It is the user's responsibility to ensure that all renamed tables maintain data integrity between them.

## 4.7 SAP BusinessObjects Mobile Server

### Logon to mobile server on JBOSS EAP 6.2 causes various errors

When you try to log on to the mobile server on JBOSS EAP 6.2, various errors can occur. For more information, see SAP Note [2207211](#) .

## 4.8 SAP Crystal Reports 2020

### 64 bit User Function Libraries (UFLs)

64 bit .NET and COM UFLs are required in SAP Crystal Reports 2020 and BI Platform 4.3.

## Deprecated connectors

For connectors that are no longer supported in 64 bit Crystal Reports, such as DAO, xBase, and Pervasive Client (crdb\_p2bbtrv) use 64 bit ODBC / JDBC if possible.

Crystal Reports Salesforce.com driver (OEM) is no longer supported by the OEM vendor starting Dec 2023, thus it is removed from BI 4.3 SP04. Consider use an alternative ODBC / JDBC driver if possible.

## Geomaps

- *Map types*: "Dot Density" type and "Graduated" type are not supported.
- *Map Navigator* is not supported.

- The country borders used in Crystal Reports and Web Intelligence's default geographic maps are generated through data provided by our third party service providers. Please note that local laws and regulations may stipulate local compliance requirements or restrictions relating to the use and/or display of geographic maps. Please assess if the default geographic maps in Crystal Reports and Web Intelligence meet the requirements of local laws and regulations before you use the geographic maps. Otherwise, please do not use the geographic maps.

## Deprecation of Linux/Unix support

Since BI 4.3 SP02, SAP Crystal Reports 2020 services are no longer supported on Linux and Unix operating systems. SAP Crystal Reports 2020 services can still be deployed to a Windows server and work together with a Linux/Unix BI Platform. See [this blog post](#) for more details.

A new registry is needed for SAP SNC in the heterogeneous (for example, Linux and Windows) deployment. See SAP Note [3269556](#) for more details.

## Occasional OLE (picture) problem on Windows 11

For problem details and solution, see SAP Note [3204578](#).

## Planned deprecation of 32bit Crystal Reports .NET Runtime

32bit Crystal Reports .NET Runtime (as part of 32bit BI Platform .NET Runtime) is planned to be removed in SAP BI 2025. Move to 64bit if your application still uses 32bit .NET Runtime.

# 4.9 SAP Crystal Reports for Enterprise

## Issue related to stored procedures universe

SAP Crystal Reports for Enterprise does not support universes that contain stored procedures. When creating a report, no data is retrieved.

## Issue related to SAP Crystal Reports for Enterprise on OData

Table joins are not supported.

## **4.10 Integration Option for Microsoft SharePoint**

### **Changing Passwords in SharePoint (BW)**

BW password change is not supported in SharePoint.





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