



PUBLIC

SAP BusinessObjects Business Intelligence Platform

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WebSphere Portal Integration Kit Guide

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1 Document History

The following table provides an overview of the most important document changes.

Version	Date	Description
SAP BusinessObjects WebSphere Portal Integration Kit 4.3 (SAP BusinessObjects Business Intelligence platform 4.3)	June, 2020	Initial release

2 About this guide

2.1 Overview

This guide provides information about installing and configuring the SAP BusinessObjects Business Intelligence platform Portal Integration Kit for IBM WebSphere 6.1 and 6.1.5.

This guide is intended for administrators who are responsible for installing the Portal Integration Kit. Familiarity with your portal server and a working knowledge of BI platform are required. For more information about BI platform, see the *SAP BusinessObjects Business Intelligence Platform Administrator's Guide*.

3 Installing and configuring

3.1 Prerequisites

The following systems must be installed and able to communicate with each other:

- SAP BusinessObjects Business Intelligence platform
- IBM WebSphere

Portal environment requirements

The portal environment must meet the following requirements:

- The portal server and Web Application Server (WAS) hosting BI platform must share a common domain—for example, `server1.domain.com` and `server2.domain.com`.
- The web session timeout for the portal server must be equal to that of the WAS that will host BI platform.
- The portal server and WAS hosting BI platform must both use SSL or neither can use SSL; having only one of the two servers use SSL is not supported.

3.2 Installing the Portal Integration Kit

The following steps are required to install the Portal Integration Kit:

1. Configure the `web.xml` file.
2. Copy the portlet `.war` files to your machine.

Portlets enable you to integrate the document viewing, editing, and scheduling features of BI platform. For information about the BI platform architecture, search for "architecture" in the *SAP BusinessObjects Business Intelligence Platform Administrator Guide*.

3.2.1 To configure the web.xml file

1. Extract the `web.xml` file from the `BusinessObjectsPortlets.war` file.
2. In the `web.xml` file, change the following parameter values:

Option	Description
BusinessObjects Enterprise Static Username	(Optional parameter) User name of the BI platform account to use—for example, administrator. This parameter is only used when a static user name and password SSO will be deployed.
BusinessObjects Enterprise Static Password	(Optional parameter) Password of the BI platform account to use. This parameter is only used when a static user name and password SSO will be deployed.
BusinessObjects Central Management Server	Required parameter Name and port of your Central Management Server—for example, BOEServer:6400.
Default BI launch pad URL	(Optional parameter) Default URL for BI launch pad—for example, http://BOEServer/BOE/BI.
Default OpenDocument URL	(Optional parameter) Open document URL for the Web Application Server hosting BI launch pad—for example, http://BOEServer:<port>/OpenDocument/opendoc/openDocument.jsp.

Note

If you do not have BusinessObjects Enterprise Performance Management, you do not need to change the settings for `AnalyticUrl`.

- When the `web.xml` file is configured, replace it in the `BusinessObjectsPortlets.war` file.

3.2.2 To install the Portal Integration Kit

You must install the Portal Integration Kit on the same machine as your portal server.

You must have sufficient access rights to perform this task.

- If you are running BI platform on a the same machine as your portal server, go to step 2. If you are running the components on separate machines, perform a custom BI platform installation on your portal server machine, but only install web-tier components.

For information on installing web-tier components, see the *SAP BusinessObjects Business Intelligence Platform 4.0 Installation Guide*.

- Deploy the `com.sap.businessobjects.portlets.war` file to your portal server.

Refer to the portal server documentation if you need additional details.

The portal integration .war file is deployed to your WebSphere server.

3.3 Configuring trusted authentication

You can configure single sign-on (SSO) so that users can access BI platform content on the portal, without having to manually authenticate.

Note

Trusted Authentication should not be enabled without HTTPS due to security reasons. If you have enabled Trusted Authentication without https, it is considered as breach of security as the URL is exposed to unauthorized users. To avoid security breach, the user's information can be validated with a valid certificate. For more information, refer to [1388240](#).

Systems using LDAP/SiteMinder or Windows AD/Vintela

Note

If your system uses LDAP with SiteMinder or Windows AD and Vintela for authentication, you do not need to perform this task.

To configure your system for SSO:

- Ensure the Central Management Server, portal server, and the client machine are properly configured to use LDAP with SiteMinder or Windows AD with Vintela.
- In the `web.xml` file of `com.sap.businessobjects.portlets.war`, set the authentication type to `secEnterprise`.
- When your users access the portlet, BI launchpad or OpenDocument will attempt to achieve SSO and generate a session for users.

3.3.1 To configure JAAS SSO authentication

You must have both SAP BusinessObjects Enterprise portal integration and WebSphere installed and running before you can configure them.

You must have matching accounts on the WebSphere server and SAP BusinessObjects Enterprise XI server for all users you expect to log on to the portal.

1. Configure SAP BusinessObjects Enterprise for trusted authentication, creating a new shared secret.
See the *SAP BusinessObjects Enterprise XI Administrator's Guide* if you need additional instructions.
2. Creating a new directory on the portal server for the key file and copy the `TrustedPrincipal.conf` file to it.
3. In the WebSphere administrative console, select **Servers** > **Application servers** > **WebSphere_Portal** > **Server Infrastructure's Java and Process Management** > **Process Definition** > **Additional Properties' Java Virtual Machine** > **Generic JVM arguments**.

4. Add the following argument: `-Dbobj.trustedauth.home=<dir>`, replacing `<dir>` with the path to the directory where you saved the `TrustedPrincipal.conf` file.
5. Save the changes and restart the WebSphere portal server.

4 Deploying portlets

4.1 About deploying portlets

By default there are two types of portlets that can be deployed on your portal server using the BI platform portal integration kit: Document View portlet and Document List portlet.

Document View portlet

This is the simplest type of portlet to create; when deployed, it displays a single report selected by the portal administrator.

Users see a report when the portlet appears and can navigate the report normally. However, users cannot navigate to other reports, unless the default report contains links to other reports. The portal page designer or administrator configures the content that appears in the portlet.

Document List portlet

This portlet provides many of the same features as BI launch pad. Users can navigate all reports they have access rights for, view personal folders, browse categories, and use the portlet to schedule report refreshes or manually refresh reports, search BI content, and set user preferences (if they have appropriate access rights).

4.1.1 To deploy a Document View portlet

1. Open the WebSphere portal administration page.
2. Follow the usual procedure for adding a portlet to a new or existing page.
Refer to your portal server documentation if you need additional instructions. *Document View* is listed as an available portlet type.
A preview of the portal page appears.
3. Click the arrow at the end of the Document View portlet title bar, and select *Personalize* from the menu.
4. (JAAS SSO only) Set *CMS address of Single Sign-On* to `<BIPlatformMachineAddress>:<CMSPort>`.
5. Set the *OpenDocument URL* to `http://<BOEServer>:8080/BOE/OpenDocument/.opendoc/openDocument.jsp`.

Note

You can add supported OpenDocument parameters to the URL as needed.

6. (Optional) Set a width and a height for the portlet.
7. Click [Next](#).
The screen displays a document ID field and a document list for the BI platform repository.
8. Locate and select the document to display in the portlet.
The document's CUID appears in the [Document ID](#) box.
9. Click [Submit](#).

4.1.2 To deploy a Document List portlet



1. Open the WebSphere portal administration page.
2. Follow the usual procedure for adding a portlet to a new page or an existing page.
[Document List](#) is listed as an available portlet type. Refer to your portal server documentation if you need additional instructions.
A preview of the portal page appears.
3. Click the arrow at the end of the Document View portlet title bar, and select [Personalize](#) from the menu.
4. (JAAS SSO) Set [CMS address of Single Sign -On](#) to `<BIPlatformMachineAddress>:<CMSPort>`.
5. Set [BI launch pad URL](#) to `http://<BOEServer>:8080/BOE/BI`.
6. Set [Portlet Width](#) to **760** pixels, and set [Portlet Height](#) to **450** pixels.
These values are the minimum values; you can set higher values as needed.
7. Click [Submit](#).

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