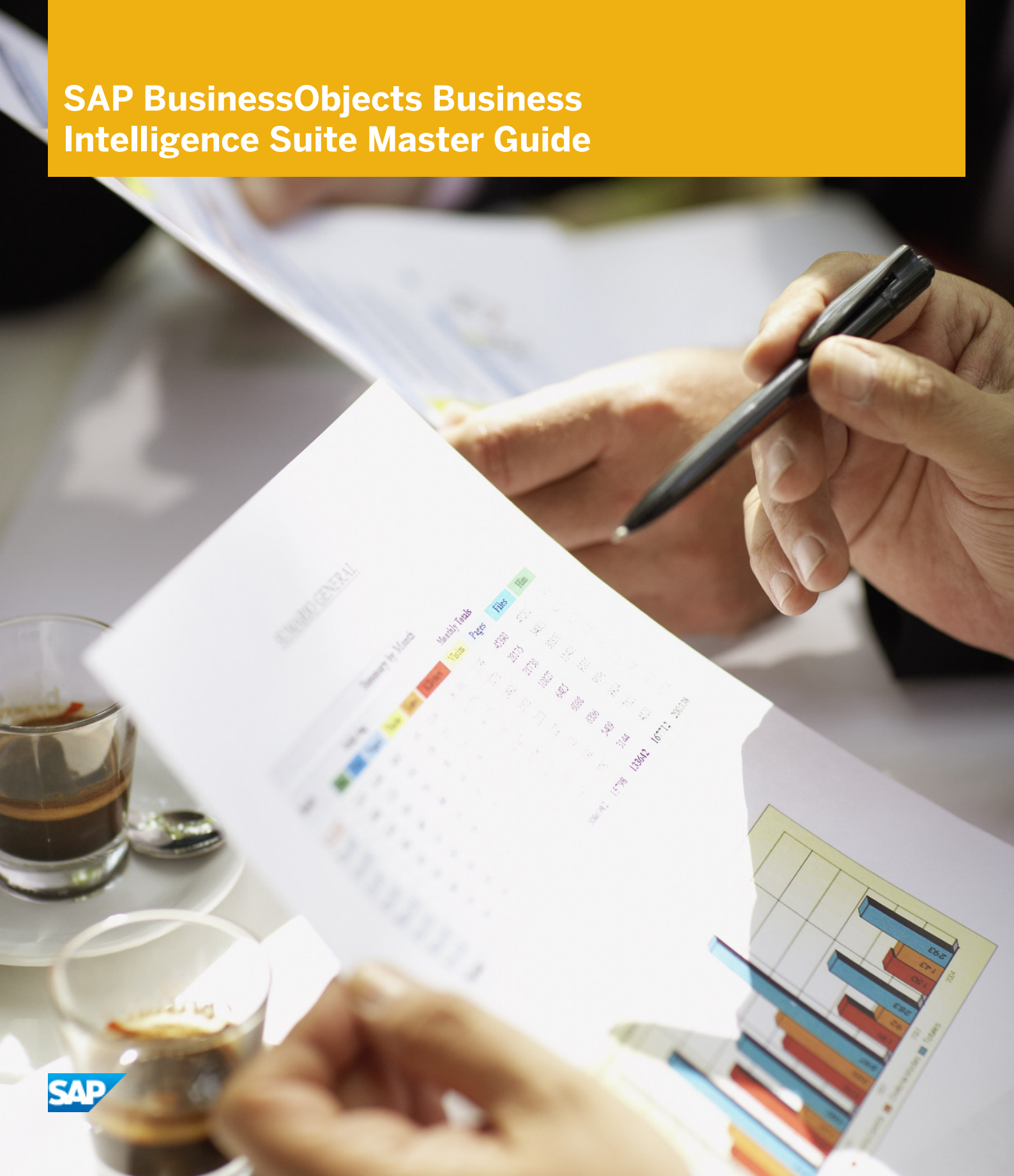


SAP BusinessObjects Business Intelligence Suite
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SAP BusinessObjects Business Intelligence Suite Master Guide



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1 Getting Started

This section describes the purpose of this guide and provides a list of essential resources.

1.1 About this guide

This Master Guide is the central starting point for the technical implementation of SAP BusinessObjects Business Intelligence platform. This guide provides an overview of the documentation available for this product. Whether you are new to the BI platform or an experienced administrator, this document will help you find the information you need.

Use the Master Guide to get an overview of SAP BusinessObjects Business Intelligence platform, its components, and its scenarios from a technical perspective. The Master Guide is a planning tool that helps you design your system landscape. It refers you to the required detailed documentation, including:

- Installation guides
- Configuration and administration documentation
- Release notes

The Master Guide consists of the following sections:

- “SAP BusinessObjects Business Intelligence platform Overview”, which provides information about the key components and how they fit in with other products and the overall system landscape.
- “Business Scenarios for SAP BusinessObjects Business Intelligence platform”, which lists the most common installation scenarios and where to go for more information about each one.
- “Solution-Wide Topics”, which lists topics affecting all deployment scenarios.
- “SAP Documentation Types”, which provides information about the various documents referred to in this master guide.

1.1.1 Constraints

- The business scenarios presented here serve as examples of how you can use SAP software in your company. These business scenarios are intended only as models and will not necessarily run the same way in your unique system landscape. Make sure you check your own requirements and system resources to determine whether these scenarios can be used productively at your site. We also recommend that you test these scenarios thoroughly in your test systems to ensure they are complete and free of errors before going live.
- This master guide focuses on the overall technical implementation of SAP BusinessObjects Business Intelligence platform, rather than its subordinate components. This means that additional software dependencies might exist without being mentioned explicitly in this document. You can find more information on component-specific software dependencies in the corresponding installation guides.

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- Also note that this guide is intended to provide the resources you'll need for installing and managing your deployment of the BI platform. It does not include detailed instructions; it describes where to find those instructions.

2 SAP BusinessObjects Business Intelligence Platform Overview

SAP BusinessObjects Business Intelligence platform is a flexible, scalable, and reliable solution for delivering powerful, interactive reports to end users via any web application—intranet, extranet, Internet, or corporate portal. Whether it is used for distributing weekly sales reports, providing customers with personalized service offerings, or integrating critical information into corporate portals, SAP BusinessObjects Business Intelligence platform delivers tangible benefits that extend across and beyond the organization. As an integrated suite for reporting, analysis, and information delivery, the BI platform provides a solution for increasing end-user productivity and reducing administrative efforts.

This section provides a general description of the BI platform architecture and key components, and provides resources for further information. It also provides a general roadmap for installing and configuring the BI platform.

2.1 Key components of SAP BusinessObjects Business Intelligence platform

This section provides an overview of tools, software components and supporting products used by SAP BusinessObjects Business Intelligence platform.

Table 1:

Component	Relevance
System administration tools (Full client and command-line)	<p>Desktop tools for system administration and upgrade scenarios. Includes the following tools:</p> <ul style="list-style-type: none">• Central Configuration Manager (CCM)• Upgrade management tool• Repository diagnostic tool• Multitenancy management tool <p>For information on these tools, see the <i>Business Intelligence Platform Administrator Guide</i> and <i>Business Intelligence Platform Upgrade Guide</i>, available on the SAP Help Portal at http://help.sap.com/bobip42.</p>
Central Management Console (CMC) (Web client)	<p>Web application portal for the BI platform system administrator installed with the BI platform.</p> <p>For information on the CMC, see the <i>Business Intelligence Platform Administrator Guide</i> available on the SAP Help Portal at http://help.sap.com/bobip42.</p>

Component	Relevance
WDeploy tool (Full client and command-line)	<p>Use to create and deploy BI platform web applications (including the CMC and BI launch pad) to an existing, supported web application server in your system landscape.</p> <p>For information on WDeploy, see the <i>Business Intelligence Platform Web Application Deployment Guide</i>, available on the SAP Help Portal at http://help.sap.com/bobip42.</p>
BI launch pad (Web client)	<p>Web application portal for BI consumers and designers installed with the BI platform. Used to access Crystal reports, Web Intelligence documents, and other objects, and organize them to suit your preferences.</p> <p>Provides access to the following applications (when you have the appropriate licences):</p> <ul style="list-style-type: none"> • SAP BusinessObjects Analysis, edition for OLAP • SAP BusinessObjects Web Intelligence • SAP BusinessObjects Explorer • Collaboration tools <ul style="list-style-type: none"> ◦ SAP Jam ◦ SAP StreamWork ◦ BI Commentary
SAP Crystal Reports for Enterprise	Optional. Report designer application for creating Crystal reports, which can then be published and shared via BI launch pad.
SAP BusinessObjects Dashboards	Optional. A data visualization software that enables users to create dynamic and interactive dashboards. Previously known as: Dashboard Design, and Xcelsius.
SAP BusinessObjects Web Intelligence	Optional.
SAP BusinessObjects Desktop Intelligence	Optional. Desktop Intelligence is an integrated query, reporting, and analysis solution.
Widgets for SAP BusinessObjects Business Intelligence platform	Optional. Widgets are mini-applications that allow easy and fast access to frequently used functions and provide visual information from your desktop.

2.2 System landscape

For a detailed description of the SAP BusinessObjects Business Intelligence platform system landscape, and to learn how its key components work together, read the “Architecture” chapter of the *Business Intelligence Platform Administrator Guide*. The administrator guide is available on the SAP Help Portal at <http://help.sap.com/bobip42>.

2.3 Overall implementation sequence

To implement SAP BusinessObjects Business Intelligence platform, you need to perform the following steps:

1. Planning
 - To see of summary of new features in this release, refer to the *SAP BusinessObjects Business Intelligence Suite What's New Guide*.
 - To see a summary of known issues in this release, refer to the *SAP BusinessObjects Business Intelligence Suite Known Issues and Limitations Guide*.
 - To see a summary of fixed issues in this release, refer to the *SAP BusinessObjects Business Intelligence Suite Fixed Issues Guide*.
2. Installation
 - To perform a new, full installation of 4.2 on a new machine, refer to the *Business Intelligence Platform Installation Guide*.
 - To update a 4.1 installation to 4.2, refer to the *SAP BusinessObjects Business Intelligence Suite Minor Release Update Guide*.
 - To update a 4.1 installation to the next Support Package level, refer to the *SAP BusinessObjects Business Intelligence Suite Support Package Update Guide*.
 - To update a 4.1 installation to the next Patch level, refer to the *SAP BusinessObjects Business Intelligence Suite Patch Update Guide*.
 - To upgrade from a previous major release such as XI 3.1, refer to the *Business Intelligence Platform Upgrade Guide* and *Business Intelligence Platform Installation Guide*.
 - To deploy BI platform web applications, refer to the *Business Intelligence Platform Web Application Deployment Guide*.
3. Configuration
 - To configure security for the BI platform, refer to the *Business Intelligence Platform Administrator Guide*.
 - To configure authentication for the BI platform, refer to the *Business Intelligence Platform Administrator Guide*.
 - To initially configure your BI platform servers using the System Configuration Wizard, refer to the "System Configuration Wizard" chapter of the *Business Intelligence Platform Administrator Guide*.
 - To maintain your BI platform server configurations, and perform monitoring, auditing, and promotion management scenarios, see the *Business Intelligence Platform Administrator Guide*.
 - To manage and administrate BI content in your BI platform landscape, see the *Business Intelligence Platform User Guide*.
 - To configure reporting and analytic data source connectivity, refer to the *Data Access Guide*.

For information about specific implementation scenarios, see the following section, "Business Scenarios for SAP BusinessObjects Business Intelligence Platform".

3 Business Scenarios for SAP BusinessObjects Business Intelligence Platform

This section provides the most common business scenarios for an implementation of SAP BusinessObjects Business Intelligence platform. The following scenarios are described in this section:

- Single-machine deployment
- Multiple-server deployments
- Upgrade installation
- Client-server configurations
- Integrating into ERP systems
- Integrating with Desktop Intelligence

Note that every organization has unique requirements, and that your implementation of the BI platform should be tailored to your needs. These scenarios are provided only as a guideline for planning your own implementation.

3.1 Single-machine deployment

The simplest deployment scenario is a full installation on a single machine for demo or other non-production usage. This type of deployment is not recommended for production use. For detailed instructions on how to complete this type of deployment, consult the following resources:

- The *Business Intelligence Platform Installation Guide*: Instructions for a full installation are provided in the “To run the setup program” topic of the “Interactive Installation” section.
- The *Business Intelligence Platform Web Application Deployment Guide*.
- The *Business Intelligence Platform Administrator Guide*: Read the “System Configuration Wizard” chapter.

3.2 Multiple-server deployments

For production deployments of SAP BusinessObjects Business Intelligence platform, you can distribute the workload across multiple servers. Your deployment may employ a unique combination of configuration strategies, but here are a few common methods you may want to use:

Table 2:

Configuration	Resources
Setting up a cluster of Central Management Servers (CMSs)	<ul style="list-style-type: none"> • See the “Clustering Central Management Servers” section in the “Server Administration” chapter of the <i>Business Intelligence Platform Administrator Guide</i>. • Clustering options during the installation are covered in the “Choosing a server location” and “Custom” or “Expand” topics of the <i>Business Intelligence Platform Installation Guide</i>. • If you are installing the bundled Sybase SQL Anywhere database for the CMS, see “Extra requirements for CMS clustering with SQL Anywhere” in the <i>Business Intelligence Platform Installation Guide</i>.
Distributing services across multiple back-end servers	<ul style="list-style-type: none"> • See the “Choosing a deployment template” section in the “System Configuration Wizard” chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Configuring multi-homed servers	<ul style="list-style-type: none"> • See the “Configuring a multi-homed machine” section in the “Server Administration” chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Setting up a firewall between servers	<ul style="list-style-type: none"> • “Configuring the BI platform for firewalls”, in the “Securing the BI platform” chapter of the <i>Business Intelligence Platform Administrator Guide</i>.

3.3 Upgrade installation

You can migrate your system data and business intelligence content to SAP BusinessObjects Business Intelligence platform 4.1 from SAP BusinessObjects Enterprise Release 2 SP2 (or later) or from a Business Intelligence Archive Resource (BIAR) file generated from XI R2 SP2 (or later, except for 4.1).

When the setup program detects a previously installed version of the BI platform, it presents the following upgrade options:

- Side-by-side installation: install the new version, leaving the previously installed version intact. A system can host more than one version of SAP BusinessObjects Business Intelligence platform, although system performance may be degraded if both are running at once.
- Upgrade installation: install the new version, then remove the previously installed version. You can then use the Upgrade management tool to copy content from the previous installation to the new one.

If the setup program detects a previously installed version of the BI platform client tools, with no server software components, a side-by-side installation will be performed, and a stand-alone client tools installation program must be used to install the new client tools.

If you are performing an upgrade installation, consult the documents described in the “SAP Documentation Types” section for upgrades.

Related Information

[Upgrade \[page 21\]](#)

3.4 Client-server configurations

SAP BusinessObjects Business Intelligence platform provides a number of options for configuring communication between clients and server components to ensure the security of your system. You can configure desktop clients to run across a firewall, or to use SSL encryption or single sign-on authentication. For Web clients, you can set up SSL encryption, single sign-on authentication, a reverse proxy, or a load balancer. For information about these options, consult the following documentation resources:

Table 3:

Configuration	Resources
Desktop client to server with a firewall	<ul style="list-style-type: none"> For detailed information about firewalls, see the "Configuring BI platform for firewalls" section of the "Securing the BI platform" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Desktop client to server with SSL encryption	<ul style="list-style-type: none"> "Configuring servers for SSL", in the "Securing the BI platform" chapter of the <i>Business Intelligence Platform Administrator Guide</i>. Additional SSL configuration settings in the "Managing Web Application Container Servers (WACS)" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Desktop client to server with single sign-on authentication	<ul style="list-style-type: none"> Single sign-on content in the "Authentication" chapter of <i>Business Intelligence Platform Administrator Guide</i>. Additional single sign-on configuration in the "Managing Web Application Container Servers (WACS)" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Trusted authentication	<ul style="list-style-type: none"> See the "Enabling Trusted Authentication" section in the "Authentication" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Web client with SSL encryption	<ul style="list-style-type: none"> "Configuring servers for SSL", in the "Securing the BI platform" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Web client with single sign-on authentication	<ul style="list-style-type: none"> Single sign-on content in the "Authentication" chapter of <i>Business Intelligence Platform Administrator Guide</i>. Additional single sign-on configuration in the "Managing Web Application Container Servers (WACS)" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Web tier with reverse proxy	<ul style="list-style-type: none"> "Configuring reverse proxy servers for BI platform web applications", in the "Securing the BI platform" chapter of <i>Business Intelligence Platform Administrator Guide</i>. Configuring WACS to work with reverse proxy, in the "Managing Web Application Container Servers (WACS)" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.
Web tier with load balancer	<ul style="list-style-type: none"> See the "Fail-over and load balancing" and "Web application clustering support" sections of the <i>Business Intelligence Platform Web Application Deployment Guide</i>. Configuring WACS to work with a load balancer, in the "Managing Web Application Container Servers (WACS)" chapter of the <i>Business Intelligence Platform Administrator Guide</i>.

Configuration	Resources
Split web tier with SSL (Java only)	<ul style="list-style-type: none"> See the “Split web tier deployments” section of the <i>Business Intelligence Platform Web Application Deployment Guide</i>.

3.5 Integrating into ERP systems

In previous SAP BusinessObjects BI major releases such as XI 3.1, integration solutions for ERP systems were available as distinct product offerings and installations. All the integration features and components have now been integrated into the core SAP BusinessObjects Business Intelligence platform product. Documentation for working with the various supported ERP environments is provided below.

3.5.1 Integration with SAP

Table 4:

Topic	Resource
Installation prerequisites, workflows, and post-installation	<p>See the <i>Business Intelligence Platform Installation Guide</i> and the “To enable Siebel Enterprise integration” section for post-installation configuration. Ensure the following features are selected during installation:</p> <ul style="list-style-type: none"> ▶ Instances > WebTier > Java Web Applications ▶ ▶ Instances > Database Access > SAP ▶ ▶ Instances > Database Access > SAPBW ▶ ▶ Instances > Database Access > SAPERP ▶
Deploying BI platform web applications	See the <i>Business Intelligence Platform Web Application Deployment Guide</i> .
Setting up SAP authentication and configuring single sign-on	See the “Authentication > SAP authentication” section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring firewalls for SAP integration	See the “Specific firewall guidelines for SAP integration” section in the “Securing the BI platform” chapter of the <i>Business Intelligence Platform Administrator Guide</i> .
Integration with BW	See the “Supplementary Configurations for ERP Environments > Configurations for SAP NetWeaver integration” section of the <i>Business Intelligence Platform Administrator Guide</i> .
SNC configurations, configuring server-side trust	See the “Authentication > SAP authentication” section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuration batch reporting, multi-pass publications	See the “Supplementary Configurations for ERP Environments > Configurations for SAP NetWeaver integration” section of the <i>Business Intelligence Platform Administrator Guide</i> .

Topic	Resource
Configuring SAP transport files	See the "Supplementary Configurations for ERP Environments > Configurations for SAP NetWeaver integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring SAP authorizations	See the "Supplementary Configurations for ERP Environments > Configurations for SAP NetWeaver integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Designing publications intended for SAP recipients	See the "Designing publications for SAP recipients" section in the <i>Business Intelligence Platform User Guide</i> .
Working with Crystal reports in SAP NetWeaver Business Warehouse and the BI platform	See the "Working with reports in an integrated environment" section of the <i>Business Intelligence Platform User Guide</i> .
Reporting with SAP BW, SAP relational data sources, and reporting off SAP data	See the "Integrating with SAP" section in the "Integrating Business Applications with Crystal Reports" chapter of the <i>SAP Crystal Reports 2013 User Guide</i> .

3.5.1.1 Insight to Action framework

The Insight to Action framework offers a common interface for SAP Crystal Reports and SAP BusinessObjects Dashboards that use SAP BW Query as a data source to access the *Report-Report Interface (RRI)*. RRI provides the ability to jump to targets (called "receivers") that have been attached to a SAP BW query. Targets can be reports, other queries, transactions and Web addresses. As part of the jump, RRI passes selection criteria to facilitate a context-sensitive jump.

Example

RRI actions

For your cost center report (the sender), you request master data from an R/3 system (the receiver).

For a SAP BusinessObjects Dashboard showing sales for a particular customer, request the latest stock market data available from the internet.

Installation and setup requirements

- The Insight to Action Service, which is a service of the Adaptive Processing Server, must be installed. (It is automatically installed as part of a typical installation.)
- The RESTful web service, which is a service of the Web Application Container Server, must be installed and configured. (It is automatically installed as part of a typical installation.)
- SAP Crystal Reports for Enterprise or SAP BusinessObjects Dashboards must be installed.
- You must be running SAP BW 7.02 SP10 or later.
- For users who will invoke RRI targets, Enterprise accounts must be aliased to an SAP account. For more information on SAP authentication, see the "SAP Authentication" section in the *Business Intelligence Platform Administrator Guide*.

- SAP BW Query with RRI sender-receiver assignments must be defined.

Configuration

The Insight to Action framework is a service that exists within the Adaptive Processing Server. Although the default configuration values work for the majority of deployments, you can limit resources allocated to a user that is utilizing the RRI capabilities of the Insight to Action framework. These settings can be found in the server properties for the Adaptive Processing Server.

i Note

Changing these setting does not require restarting the Adaptive Processing Server.

Adaptive Processing Server Settings

Maximum Number of Active Connections Per User Session. This setting controls the maximum number of connections with the SAP server available for a user for a given time. When a user opens a report or dashboard that is RRI capable, a connection with the SAP server will be established to determine the available RRI targets.

Maximum Number of Idle Connections Per User Session. Because establishing a connection with the SAP Server is time-consuming, you can use this setting to specify how many idle connections to keep open and re-use for subsequent RRI requests. Increasing this setting will allocate additional system resources.

Maximum Connection Wait Time (in seconds). This setting determines how long the Insight to Action framework should wait for a response from the SAP Server before timing out.

For More Information

For more information about configuring RRI and jump targets, refer to SAP NetWeaver documentation on Report-Report Interface (RRI). See the link under Related Topics below.

For information on configuring the Insight to Action service, see the “Configuring server settings” and “Core Services Properties” sections of the *SAP BusinessObjects Business Intelligence Platform Administrator Guide*.

For more information about designing Crystal reports and Dashboards with SAP BW queries and RRI, see the *SAP Crystal Reports for Enterprise User Guide* and the *Dashboards and Presentation Design User Guide*.

Related Information

[Report-Report Interface \(SAP Help Portal\)](#)

3.5.2 Integration with JD Edwards EnterpriseOne

Table 5:

Topic	Guide
Installation prerequisites, workflows, and post-installation	See the <i>Business Intelligence Platform Installation Guide</i> and the “To enable JD Edwards EnterpriseOne integration” section for post-installation configuration. Ensure the following features are selected during installation: <ul style="list-style-type: none"> ▶ Instances ▶ WebTier ▶ Java Web Applications ▶ ▶ Instances ▶ Database Access ▶ JD Edwards EnterpriseOne ▶
Deploying BI platform web applications	See the <i>Business Intelligence Platform Web Application Deployment Guide</i> .
Configuring authentication (including third-party single sign-on)	See the “Authentication > JD Edwards authentication” section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring firewalls, required port settings	See the “Firewall configuration for JD Edwards EnterpriseOne integration” section in the “Securing the BI platform” chapter of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring SSL	See the “Supplementary Configurations for ERP Environments > Configuring for JD Edwards integration” section of the <i>Business Intelligence Platform Administrator Guide</i> .
Reporting off JD Edwards data in SAP Crystal Reports	See the “Integrating with JD Edwards” section in the “Integrating Business Applications with Crystal Reports” chapter of the <i>SAP Crystal Reports 2013 User Guide</i> .

3.5.3 Integration with PeopleSoft Enterprise

Table 6:

Topic	Guide
Installation prerequisites and workflows	See the <i>Business Intelligence Platform Installation Guide</i> . Ensure the following features are selected during installation: <ul style="list-style-type: none"> ▶ Instances ▶ WebTier ▶ Java Web Applications ▶ ▶ Instances ▶ Database Access ▶ PeopleSoft Enterprise ▶
Deploying BI platform web applications	See the <i>Business Intelligence Platform Web Application Deployment Guide</i> .
Configuring authentication (including third-party single sign-on)	See the “Authentication > PeopleSoft Enterprise authentication” section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring firewalls, required port settings	See the “Firewall configuration for PeopleSoft Enterprise integration” section in the “Securing the BI platform” chapter of the <i>Business Intelligence Platform Administrator Guide</i> .

Topic	Guide
Configuring the EPM Security Bridge	See the "Authentication > PeopleSoft authentication" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring SSL	See the "Supplementary Configurations for ERP Environments > Configuring for PeopleSoft Enterprise integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Reporting off PeopleSoft Enterprise data in SAP Crystal Reports	See the "Integrating with PeopleSoft" section in the "Integrating Business Applications with Crystal Reports" chapter of the <i>SAP Crystal Reports 2013 User Guide</i> .

3.5.4 Integration with Siebel

Table 7:

Topic	Resource
Installation prerequisites, workflows, and post-installation	See the <i>Business Intelligence Platform Installation Guide</i> and the "To enable Siebel Enterprise integration" section for post-installation configuration. Ensure the following features are selected during installation: <ul style="list-style-type: none"> ▶ Instances > WebTier > Java Web Applications ▶ ▶ Instances > Database Access > Siebel ▶
Deploying BI platform web applications	See the <i>Business Intelligence Platform Web Application Deployment Guide</i> .
Configuring authentication (including third-party single sign-on)	See the "Authentication > Siebel authentication" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring firewalls, required port settings	See the "Firewall configuration for Siebel integration" section in the "Securing the BI platform" chapter of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring SSL	See the "Supplementary Configurations for ERP Environments > Configuring for Siebel integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring a Siebel integration project	See the "Supplementary Configurations for ERP Environments > Configuring for Siebel integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Setting up an SAP Crystal Reports menu in your Siebel system	See the "Supplementary Configurations for ERP Environments > Configuring for Siebel integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring Context Sensitivity for Siebel reports	See the "Supplementary Configurations for ERP Environments > Configuring for Siebel integration" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Reporting off Siebel data in SAP Crystal Reports	See the "Integrating with Siebel" section in the "Integrating Business Applications with Crystal Reports" chapter of the <i>SAP Crystal Reports 2013 User Guide</i> .

3.5.5 Integration with Oracle E-Business Suite (EBS)

Table 8:

Topic	Resource
Installation prerequisites, workflows, and post-installation	See the <i>Business Intelligence Platform Installation Guide</i> and the "To enable Oracle E-Business Suite (EBS) integration" section for post-installation configuration. Ensure the following features are selected during installation: <ul style="list-style-type: none"> ▶ Instances > WebTier > Java Web Applications ▶ ▶ Instances > Database Access > Oracle EBS ▶
Deploying BI platform web applications	See the <i>Business Intelligence Platform Web Application Deployment Guide</i> .
Setting up Oracle EBS authentication and configuring single sign-on	See the "Authentication > Oracle EBS authentication" section of the <i>Business Intelligence Platform Administrator Guide</i> .
Configuring firewalls, required port settings	See the "Specific firewall guidelines for Oracle EBS" section in the "Securing the BI platform" chapter of the <i>Business Intelligence Platform Administrator Guide</i> .
Working with SAP Crystal Reports	See the "Integrating with Oracle E-Business Suite" section in the "Integrating Business Applications with Crystal Reports" chapter of the <i>SAP Crystal Reports 2013 User Guide</i> .

3.6 Integrating Desktop Intelligence

Desktop Intelligence is a query, reporting, and analysis tool that was available in earlier versions of BI Suite but was not available in version 4.0 and its maintenance releases. Web Intelligence is the replacement for Desktop Intelligence. In 4.1, you can use the Upgrade Management Tool to migrate Desktop Intelligence documents to a BI 4.1 deployment and work with them using the Desktop Intelligence client application 3.1 with Fix Pack 6.1. The Desktop Intelligence processing servers are still unavailable.

If you used Desktop Intelligence in previous versions, you can now use the Desktop Intelligence client application 3.1 with Fix Pack 6.1 to work with existing documents. However, we recommend converting those existing documents into Web Intelligence documents, which use Web Intelligence servers to process documents more efficiently. If you have not used Desktop Intelligence before, we recommend using Web Intelligence instead.

For more information about Desktop Intelligence, read its online help. For information about how Desktop Intelligence integrates with the BI platform architecture, see the BI Platform Administrator Guide.

You can migrate Desktop Intelligence documents from XI R2 and XI 3.1 using the Upgrade Management Tool(UMT). And now, you can view the Desktop Intelligence documents, which are currently in the BI 4.1 platform using the Desktop Intelligence Compatibility Pack(DCP). DCP is available in XI 3.1 Fix Pack 6.1 and later versions.

For more information on the prerequisites for working with the Desktop Intelligence Compatibility Pack, and how to work with the DCP, refer to the Desktop Intelligence Compatibility Pack User guide available at the Analytics Knowledge Center.

4 Solution-Wide Topics

This section provides information about general issues that may affect all implementations.

4.1 Rebranding in SAP BusinessObjects Business Intelligence Suite 4.1

This release of SAP BusinessObjects Business Intelligence Suite includes a few rebranding changes. The following table lists the previous name of each component, followed by its current name in SAP BusinessObjects Business Intelligence Suite 4.1:

Table 9:

Previously known as...	Now known as...
SAP BusinessObjects Dashboard Design, or Dashboard Design, Enterprise edition	SAP BusinessObjects Dashboards
Life Cycle Management	Promotion Management
Web Intelligence Desktop	Web Intelligence Rich Client

4.2 Setting up the Connection Server to allow for other database access

After you install SAP BusinessObjects Business Intelligence platform, you may need to set up the Connection Server to access other databases. This involves updating the drivers for the Connection Server. The following steps describe how to set up the Connection Server on Windows and on UNIX.

4.2.1 To set up the Connection Server to allow for other database access on Windows

1. Copy your database drivers to the following folder: `<install folder>\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc\drivers\`
For Oracle, for example, you would copy the `odjbc14.jar` file to the following folder: `<install folder>\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc\drivers\oracle`

For Microsoft SQL Server 2008, you would copy the `sqljdbc4.jar` file to the following folder: `<install folder>\SAP BusinessObjects Enterprise XI 4.0\dataAccess\connectionServer\jdbc\drivers\sqlsrv2008`

2. Restart the Connection Server.

4.2.2 To set up the Connection Server to allow for other database access on UNIX

1. Copy your database drivers to the following folder: `<install folder>\sap_bobj\enterprise_xi40\dataAccess\connectionServer\jdbc\drivers\`

For Oracle, for example, you would copy the `odjbc14.jar` file to the following folder: `<install folder>\sap_bobj\enterprise_xi40\dataAccess\connectionServer\jdbc\drivers\oracle`

For Microsoft SQL Server 2008, you would copy the `sqljdbc4.jar` file to the following folder: `<install folder>\sap_bobj\enterprise_xi40\dataAccess\connectionServer\jdbc\drivers\sqlsrv2008`

2. Restart the Connection Server.

5 SAP Documentation Types

The following is an overview of the most important documentation types that you need in the various phases in the life cycle of an SAP BusinessObjects BI solution.

5.1 Cross-Phase

Release Notes

The SAP BusinessObjects Business Intelligence platform release notes provide a comprehensive list of known issues with the product. Where possible, workarounds and additional resources are provided.

- Target group: Relevant for all target groups.
- Located in the SAP Help Portal at <http://help.sap.com/bobip42>

SAPterm

SAPterm is SAP's terminology database. It contains SAP-specific vocabulary in over 30 languages, as well as many definitions and glossary entries in English and German.

- Target group: Relevant for all target groups.
- Current version: Located in the SAP Help Portal at <http://help.sap.com/glossary>.

Security Information

SAP BusinessObjects Business Intelligence platform does not currently have a separate Security Guide. The security configuration content is provided in the *SAP BusinessObjects Business Intelligence Platform Administrator Guide*. The security content describes the settings for a medium security level and offers suggestions for raising security levels. For a comprehensive understanding of security configuration, read the following chapters: "Securing the BI Platform", "Authentication", and "Server Administration".

- Target group:
 - Technology consultants
 - Solution consultants
 - SAP BusinessObjects Business Intelligence platform administrators or delegated administrators
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>.

5.2 Implementation

Master Guide

This master guide is the starting point for implementing an SAP BusinessObjects Business Intelligence platform solution. It lists the required SAP components and third-party applications that are required for each business scenario. It provides scenario-specific descriptions of preparation, execution, and follow-up of an implementation. It also offers references to other resources.

- Target group:
 - Technology consultants
 - System administrators
 - Project teams for implementations
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

Installation Guide

The *SAP BusinessObjects Business Intelligence Platform Installation Guide* describes the technical implementation of the BI platform, taking into account the combinations of operating systems and databases. It does not describe detailed business-related configuration.

- Target group:
 - Technology consultants
 - Project teams for implementations
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

Configuration Information

Configuration information is provided in the *SAP BusinessObjects Business Intelligence Platform Administrator Guide*, including setting up security, firewalls, and authentication. Initial post-installation configuration steps are also provided in the *SAP BusinessObjects Business Intelligence Platform Installation Guide*. Web application deployment information is provided in the *SAP BusinessObjects Business Intelligence Platform Web Application Deployment Guide*. Information for configuring database connections is provided in the *SAP BusinessObjects Business Intelligence Platform Data Access Guide*.

- Target group:
 - Solution consultants
 - Project teams for implementations
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

5.3 Product Operation

Administrator Guide

The *SAP BusinessObjects Business Intelligence Platform Administrator Guide* is intended for system administrators who are responsible for configuring, managing, and maintaining a BI platform installation. Familiarity with your operating system and your network environment is beneficial, as is a general understanding of web application server management and scripting technologies. However, to assist all levels of administrative experience, this guide aims to provide sufficient background and conceptual information to clarify all administrative tasks and features.

- Target group:
 - Technology consultants
 - System administrators
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

User Guide

The *SAP BusinessObjects Business Intelligence Platform User Guide* provides detailed information for working with and managing objects in the BI platform using the Central Management Console (CMC), including scheduling and publication workflows. Procedures are provided for common tasks. Conceptual information and technical details are provided for all advanced topics.

- Target group:
 - Technology consultants
 - System, delegated, and content administrators
 - Advanced users with access to administrative features
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

5.4 Upgrade

Upgrade Guide

This guide describes upgrading your system data and business intelligence content to BI platform 4.2. It covers upgrade paths and important information about planning, preparing, and performing upgrades and post-upgrade tasks.

You can migrate your system data and business intelligence content to SAP BusinessObjects Business Intelligence platform 4.2 from SAP BusinessObjects Enterprise Release 2 SP2 (or later) or from a Business Intelligence Archive Resource (BIAR) file generated from XI R2 SP2 (or later, except for 4.2).

- To upgrade to 4.2 from XI R2, XIMHF1, or XI R2 SP1, you must first upgrade to XI R2 SP2 or later.
- To upgrade from BusinessObjects 5/6 or Crystal Enterprise 9/10, you must first upgrade to XI R2 SP2 or later. For more information, see the *BusinessObjects 5/6 to XI 3.1 Migration Guide* and the *SAP BusinessObjects Business Intelligence Platform Installation Guide* for your version, available at <http://service.sap.com/bosap-support>.
- Target group:
 - Technology consultants
 - Project teams for upgrades
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>.

What's New in SAP BusinessObjects Business Intelligence Suite 4.2

The *What's New in SAP BusinessObjects Business Intelligence Suite 4.2 Guide* contains short descriptions of new features or changes in an SAP component since the previous release.

i Note

Many SAP products refer to the What's New document as the Release Notes.

- Target group:
 - Consultants
 - Project teams for upgrades
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>.

5.5 Development

SAP BusinessObjects Business Intelligence Platform Java Developer Documentation

This documentation shows you how to create Java applications that handle authentication and security, document and report access, scheduling, publications, and server management within your BI platform deployment. The *SAP BusinessObjects Business Intelligence Platform Java SDK Developer Guide* explains which JAR files you need to deploy to your development environment, as well the common use cases of the SDK through tasks and code examples.

- Target group:
 - Java application developers
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

SAP BusinessObjects Business Intelligence Platform RESTful Web Service Documentation

This documentation shows you how to access the BI platform using the HTTP protocol to log on to the BI platform, navigate the BI platform repository, access resources, and perform basic resource scheduling. You can access this SDK by writing applications that use any programming language that supports the HTTP protocol, or by using any tool that supports making HTTP requests. The *SAP BusinessObjects Business Intelligence Platform RESTful Web Service Developer Guide* shows you how to install and configure the RESTful Web Service, and how to make calls against the RESTful Web Service in your custom applications.

- Target group:
 - Application developers
 - System administrators
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

SAP BusinessObjects Business Intelligence Platform Data Access Developer Documentation

The *SAP BusinessObjects Business Intelligence Platform Data Access Driver Java SDK Developer Guide* explains how to develop data access drivers. The *SAP BusinessObjects Business Intelligence Platform Data Access Connection Java SDK Developer Guide* shows you how to develop a program to manage connections independently of the Data Access layer of the BI platform.

- Target group:
 - Java application developers
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

Viewing Documents Using OpenDocument Guide

This guide explains how to construct parameterized URLs with the OpenDocument syntax to link to Business Intelligence (BI) documents in your SAP BusinessObjects Business Intelligence platform deployment. OpenDocument is a web application that processes incoming URL requests for documents and other viewable object types, and delivers the document to the end user in an appropriate viewable format.

- Target group:
 - Web application developers
 - Report designers
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

Crystal Reports Developer Documentation

This documentation shows you how to incorporate Crystal reports in to your web applications within a BI platform deployment. You can use these guides to learn how to add a Crystal report viewer in to your web application and how to programmatically configure report and viewer settings. The *Report Application Server Java SDK Developer Guide* shows you how to programmatically create Crystal Reports, configure Crystal reports, including setting parameter values and database settings, and modifying the structure of the report. The *Viewers Java SDK Developer Guide* and shows you how to create applications that can view Crystal reports, and customize the Crystal report viewer settings within your web application.

- Target group:
 - Java application developers
- Current version:
 - Located in the SAP Help Portal at <http://help.sap.com/bobip42>

Important Disclaimers and Legal Information

Coding Samples

Any software coding and/or code lines / strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, unless damages were caused by SAP intentionally or by SAP's gross negligence.

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Summary by Month

Month	Tasks	Messages	Pages	Files	Use
Jan	12	150	1000	50	10%
Feb	15	180	1200	60	12%
Mar	18	210	1400	70	14%
Apr	20	240	1600	80	16%
May	22	270	1800	90	18%
Jun	25	300	2000	100	20%
Jul	28	330	2200	110	22%
Aug	30	360	2400	120	24%
Sep	32	390	2600	130	26%
Oct	35	420	2800	140	28%
Nov	38	450	3000	150	30%
Dec	40	480	3200	160	32%
Total	300	3600	24000	1200	24%

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