



SAP BusinessObjects Business Intelligence platform .NET SDK Runtime Deployment Guide

- SAP BusinessObjects Business Intelligence platform 4.1

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About this documentation

This documentation provides you with information for deploying the SAP BusinessObjects BI platform .NET SDK runtime. The runtime allows you to include functionality such as scheduling, publishing, and server administration, without the need to install SAP BusinessObjects BI platform on every machine.

Who should use this documentation

This documentation is aimed at programmers who are:

- Developing custom applications that require SAP BusinessObjects BI platform functionality.
- Developing custom applications that must connect to an existing SAP BusinessObjects BI platform system.

SAP BusinessObjects BI platform .NET SDK runtime deployment

SAP BusinessObjects BI platform .NET SDK runtime comes as a Windows Installer package for 32-bit and 64-bit machines. The .exe version is a standard Windows Installer that can be run directly or packaged as part of your application.

Note:

BusinessObjects .NET Providers is supported only on 32-bit machines.

To distribute a Visual Studio application that uses the SAP BusinessObjects BI platform .NET SDK, the deployment project needs the following components, depending on the type of deployment you are performing:

- .NET Framework 3.5 or higher
- Project output

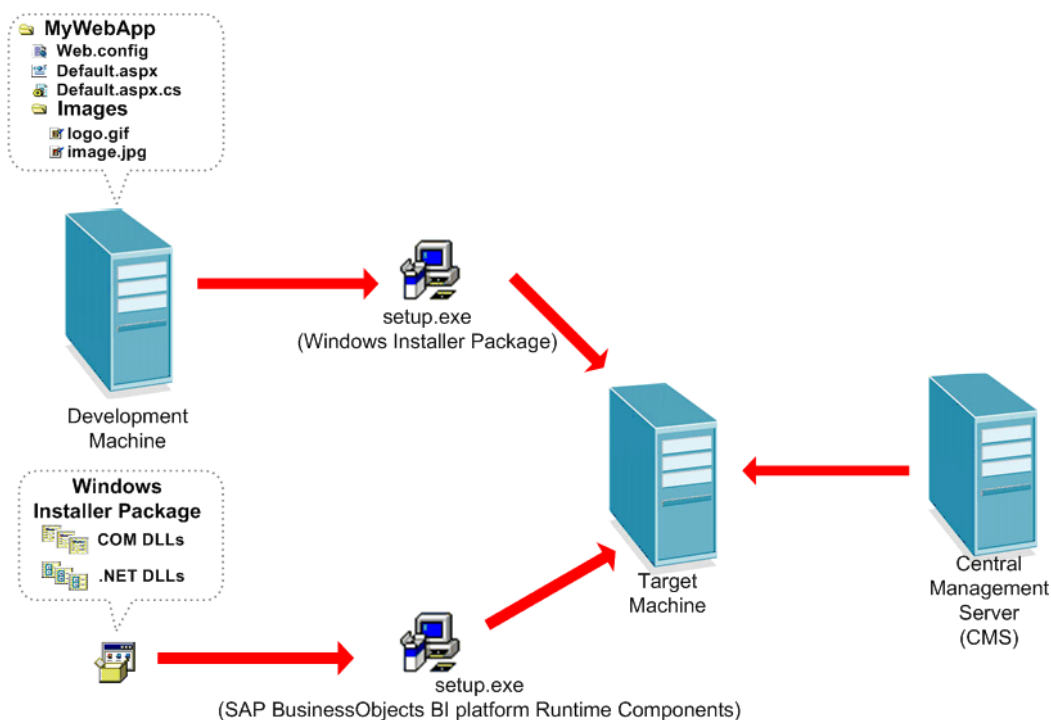
Assemblies, binaries and support files from the project necessary to deploy the application to target client machines.

- SAP BusinessObjects BI platform .NET SDK Windows Installer

Components that enable clients to access SAP BusinessObjects BI platform functionality such as scheduling, publishing, user authentication, and server management.

- Optional: SAP Crystal Reports .NET SDK Windows Installer

Components that enable report viewing, printing, and modification.



You can install the runtime in following ways:

- Manually double clicking the .exe file.
- Performing a silent installation.

2.1 Deployment components

2.1.1 Common language runtime

To deploy Visual Studio .NET applications, the .NET Framework must be installed on the target computer before you install the deployment project. When you create a deployment project, the .NET Framework is not included by default.

You can find the .NET Framework on the Visual Studio .NET Windows Components Update CD or from the Microsoft Web site. From the CD, the .NET Framework installer (an .exe file), can be redistributed with the deployment project.

Alternately, the correct .NET Framework can be added as a prerequisite to your Visual Studio deployment project.

2.1.2 Project output

Project output contains files from the Web or Windows applications that must be added to deployment projects. You can choose to add one or more of the following types of project output:

- The **Primary Output** option adds all .dll and .exe files that have been built from the Web or Windows application.

Note:

In Crystal Reports for Visual Studio 2005 and up, Web Sites have been modified to exclude .dll and .exe files. Therefore, there is no Primary Output to add to Web Sites.

- The **Content Files** option adds Web.config, Global.asax, and all Web Forms (.aspx pages) that are created in the Web applications, or App.ico for Windows applications.

Note:

You can also add Documentation Files, Localized Resources, Debug Symbols, and Source Files to the deployment project. However, those project output files are not necessary for deployment.

You must add Primary Output to Winform Setup Projects, and Content Files to Web Projects containing ASPX files.

2.1.3 Assemblies included in the SAP BusinessObjects BI platform runtime package

- BusinessObjects.Enterprise.Admin
- BusinessObjects.Enterprise.Desktop
- BusinessObjects.Enterprise.Dest
- BusinessObjects.Enterprise.Providers
- CrystalDecisions.Enterprise
- CrystalDecisions.Enterprise.Admin
- CrystalDecisions.Enterprise.Auth
- CrystalDecisions.Enterprise.Desktop
- CrystalDecisions.Enterprise.Dest
- CrystalDecisions.Enterprise.Utils
- CrystalDecisions.Enterprise.Viewing
- CrystalDecisions.Sdk.Uri

2.1.4 SAP Crystal Reports .NET SDK

The SAP Crystal Reports .NET SDK is also included with the SAP BusinessObjects BI platform .NET SDK runtime package. This allows you to use the SAP Crystal Reports SDK for viewing, printing, and report modification.

2.1.4.1 SAP Crystal Reports .NET SDK assemblies included

- CrystalDecisions.CrystalReports.Design
- CrystalDecisions.CrystalReports.Engine
- CrystalDecisions.CrystalReports.TemplateEngine
- CrystalDecisions.Data.AdoDotNetInterop
- CrystalDecisions.Enterprise.Desktop.Report
- CrystalDecisions.Enterprise.Viewing.ReportSource
- CrystalDecisions.PromptingClientSDK
- CrystalDecisions.ReportAppServer.ClientDoc
- CrystalDecisions.ReportAppServer.CommLayer
- CrystalDecisions.ReportAppServer.CommonControls
- CrystalDecisions.ReportAppServer.CommonObjectModel
- CrystalDecisions.ReportAppServer.Controllers
- CrystalDecisions.ReportAppServer.CubeDefModel
- CrystalDecisions.ReportAppServer.DataDefModel
- CrystalDecisions.ReportAppServer.DataSetConversion
- CrystalDecisions.ReportAppServer.ObjectFactory
- CrystalDecisions.ReportAppServer.Prompting
- CrystalDecisions.ReportAppServer.ReportDefModel
- CrystalDecisions.ReportAppServer.XmlSerialize
- CrystalDecisions.ReportSource
- CrystalDecisions.Shared
- CrystalDecisions.VSDesigner
- CrystalDecisions.Web
- CrystalDecisions.Windows.Forms
- SAPBusinessObjects.WPF.Viewer
- SAPBusinessObjects.WPF.ViewerShared

2.2 Runtime deployment

2.2.1 Installing .NET SDK Runtime

To install SAP BusinessObjects BI platform .NET SDK runtime, perform the following steps:

1. Download the installer from the SAP Service Marketplace.
The installer is available for both 32-bit and 64-bit machines.
2. Run the `setup.exe` file.
3. Choose the setup language, and click **OK**.
The prerequisite checking screen appears with the summary of the missing critical and optional components.
4. If some of the components are missing, click the missing item to check how to resolve it.
5. Click **Next**.
6. Accept the license agreement, and click **Next**.
7. Specify the destination folder, and click **Next**.
8. Click **Next** to begin the installation.

2.2.2 Performing a silent runtime installation

With the SAP BusinessObjects BI platform .NET SDK runtime Windows Installer, you can perform a silent install on a client machine. A silent installation is an installation that is done entirely from the command line and requires no user interaction.

1. Go to the command prompt.
2. Change to the directory where the SAP BusinessObjects BI platform .NET SDK runtime Windows Installer package is located.
3. Enter the following command: `setup.exe installdir=C:\Program Files (x86)\setupui language=en features=netruntimecontent,root /qn`.

The application installs.

More Information

Information Resource	Location
SAP BusinessObjects product information	http://www.sap.com
SAP Help Portal	<p>Navigate to http://help.sap.com/businessobjects and on the "SAP BusinessObjects Overview" side panel click All Products.</p> <p>You can access the most up-to-date documentation covering all SAP BusinessObjects products and their deployment at the SAP Help Portal. You can download PDF versions or installable HTML libraries.</p> <p>Certain guides are stored on the SAP Service Marketplace and are not available from the SAP Help Portal. These guides are listed on the Help Portal accompanied by a link to the SAP Service Marketplace. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.</p>
SAP Service Marketplace	<p>http://service.sap.com/bosap-support > Documentation</p> <ul style="list-style-type: none"> • Installation guides: https://service.sap.com/bosap-instguides • Release notes: http://service.sap.com/releasenotes <p>The SAP Service Marketplace stores certain installation guides, upgrade and migration guides, deployment guides, release notes and Supported Platforms documents. Customers with a maintenance agreement have an authorized user ID to access this site. Contact your customer support representative to obtain an ID. If you are redirected to the SAP Service Marketplace from the SAP Help Portal, use the menu in the navigation pane on the left to locate the category containing the documentation you want to access.</p>
Docupedia	<p>https://cw.sdn.sap.com/cw/community/docupedia</p> <p>Docupedia provides additional documentation resources, a collaborative authoring environment, and an interactive feedback channel.</p>
Developer resources	<p>https://boc.sdn.sap.com/</p> <p>https://www.sdn.sap.com/irj/sdn/businessobjects-sdklibrary</p>

Information Resource	Location
SAP BusinessObjects articles on the SAP Community Network	https://www.sdn.sap.com/irj/boc/businessobjects-articles These articles were formerly known as technical papers.
Notes	https://service.sap.com/notes These notes were formerly known as Knowledge Base articles.
Forums on the SAP Community Network	https://www.sdn.sap.com/irj/scn/forums
Training	http://www.sap.com/services/education From traditional classroom learning to targeted e-learning seminars, we can offer a training package to suit your learning needs and preferred learning style.
Online customer support	http://service.sap.com/bosap-support The SAP Support Portal contains information about Customer Support programs and services. It also has links to a wide range of technical information and downloads. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.
Consulting	http://www.sap.com/services/bysubject/businessobjectsconsulting Consultants can accompany you from the initial analysis stage to the delivery of your deployment project. Expertise is available in topics such as relational and multidimensional databases, connectivity, database design tools, and customized embedding technology.

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