

SAP Crystal Reports, developer version for Microsoft Visual Studio - Supported Platforms



Applies to:

SAP Crystal Reports, developer version for Microsoft Visual Studio

Summary

This document contains information specific to platforms and configurations with regards to SAP Crystal Reports, developer version for Microsoft Visual Studio. For the latest information on updates to this document, please visit [SAP BusinessObjects Articles](#).

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Applies to: Support Pack 13, and higher

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Products

- SAP Crystal Reports, developer version for Microsoft Visual Studio

Languages

The following table provides the list of languages supported by the release.

Note: “Design Time” refers to the Crystal Reports integration with Microsoft Visual Studio IDE. “Runtime” refers to the runtime components that can be deployed to client environments.

Languages	Design Time	Runtime
English	✓	✓
French	✓	✓
Italian	✓	✓
German	✓	✓
Korean	✓	✓
Japanese	✓	✓
Spanish	✓	✓
Russian	✓	✓
Chinese (Traditional)	✓	✓
Chinese (Simplified)	✓	✓
Portuguese (Brazil)		✓
Swedish		✓
Polish		✓
Norwegian		✓
Thai		✓

Dutch		✓
Danish		✓
Czech		✓
Finnish		✓
Hungarian		✓
Slovakian		✓
Turkish		✓

Supported Operating Systems

The following operating systems shall be supported for both design time and runtime scenarios. Each operating system shall be supported in both 32-bit (x86) and 64-bit (x64) versions.

- Windows Vista SP2
- Windows Server 2003 SP2
- Windows Server 2003 R2
- Windows 7 SP1
- Windows Server 2008 SP2
- Windows Server 2008 R2
- Windows 8
- Windows 8.1
- Windows Server 2012
- Windows Server 2012 R2

Minimum Hardware Requirements

- Crystal Reports for Visual Studio is supported running on 32-bit versions of Windows running on x86 and x64 CPUs made by AMD and Intel.
- Crystal Reports for Visual Studio is supported running on 64-bit versions of Windows running on x64 CPUs made by AMD and Intel.

Design Time

- 1.6Ghz or faster processor,
- 1 GB (32 Bit) or 2 GB (64 Bit) RAM ,
- 650MB (32-bit) or 1.1GB (64-bit) available hard drive space

Runtime

- Intel Pentium III or faster processor,
- 512 MB RAM,

- 300MB (32-bit) or 325MB (64-bit) available hard drive space

Crystal Reports for Visual Studio and Microsoft Critical Patches

SAP supports and recommends install of all Microsoft critical patches for the operating systems listed above. It is recommended to refer to the Business Objects policy on Microsoft patch support, which can be found on our [support site](#).

Supported Application Servers

- IIS 6.0 on Windows Server 2003
- IIS 7.0 on Windows Vista
- IIS 7.0 on Windows Server 2008
- IIS 7.5 on Windows 7
- IIS 7.5 on Windows Server 2008 R2
- IIS 8 on Windows 8
- IIS 8 on Windows Server 2012
- IIS 8.5 on Windows 8.1
- IIS 8.5 on Windows Server 2012 R2
- IIS Express
- Visual Studio Developer Web Server

Note: Windows client operating systems (ie: Windows Vista/7/8) are intended to be used as development and test environments and not as production servers.

Supported Browsers

- Internet Explorer 8
- Internet Explorer 9
- Internet Explorer 10
- Internet Explorer 11
- Firefox ESR 31
- Google Chrome
- Safari 8

Notes:

1. Internet Explorer 8 and 9 is supported for Standard (Strict) and Compatibility modes.
2. Internet Explorer 9 in Standard mode, is known to have an issue with displaying reports which contain hidden sections.
3. For more information about Firefox Extended Support Releases: <http://www.mozilla.org/en-US/firefox/organizations/faq>
4. The current version of Google Chrome is supported based on testing with earlier versions of Chrome during development. Although SAP will work to maintain compatibility with Google Chrome, please be aware that compatibility issues may be introduced if and when Google makes significant changes to Chrome between rapid-releases

Supported Database Connectivity

32-bit/64-bit Data Source Support

SAP BusinessObjects products that are compiled as 32-bit native binary are designed to use 32-bit data source connectivity. Conversely, native 64-bit offerings of SAP BusinessObjects products are designed to exclusively use 64-bit data source connectivity.

Interoperability combinations between 32-bit / 64-bit releases of database client / server will be supported, so long as vendor compatibility between client middleware and server is guaranteed.

ODBC DSN Support

To administer 32-bit ODBC DSNs on 64-bit versions of Windows, run the 32-bit ODBC Administrator, located here: C:\Windows\SysWOW64\odbcad32.exe (%windir%\SysWOW64\odbcad32.exe).

To administer 64-bit ODBC DSNs on 64-bit versions of Windows, load the ODBC Administrator from the Control Panel on a 64-bit version of Windows, it, or run the ODBC Administrator, located here: C:\Windows\System32\odbcad32.exe (%windir%\system32\odbcad32.exe).

Data Source Connectivity

Name	Provider	32-bit ¹	64-bit ¹	Unicode Support
Generic ODBC Sources ²	ODBC	Yes	Yes	Yes
Generic OLEDB Sources ²	OLEDB	Yes	Yes	Yes
ADO.NET	Microsoft .NET Framework 2.0	Yes	Yes	Yes
	Microsoft .NET Framework 3.0	Yes	Yes	Yes
	Microsoft .NET Framework 3.5	Yes	Yes	Yes
	Microsoft .NET Framework 4.0 ³	Yes	Yes	Yes
	Microsoft .NET Framework 4.5 ³	Yes	Yes	Yes
Crystal Data Objects ⁴	N/A	Yes	No	
COM Provider	N/A	Yes	No	Yes
Microsoft Access 2007 (.accdb)	2007 Office System Driver: ODBC	Yes	Yes	Yes
	2007 Office System Driver: OLEDB	Yes	Yes	Yes
Microsoft Access 2013	2013 Office System Driver: ODBC	Yes	Yes	Yes
Microsoft Excel 2007	Microsoft ODBC MDAC 2.8	Yes	No	Yes
	Microsoft OLEDB MDAC 2.8	Yes	No	Yes
Microsoft Excel 2013	Microsoft ODBC MDAC 2.8	Yes	No	Yes

Microsoft SQL Server 2005 SP3	Microsoft ODBC MDAC 2.8	Yes	Yes	Yes
	Microsoft OLEDB MDAC 2.8	Yes	Yes	Yes
Microsoft SQL Server 2008 / 2008 R2	Microsoft ODBC MDAC 2.8	Yes	Yes	Yes
	Microsoft OLEDB MDAC 2.8	Yes	Yes	Yes
Microsoft SQL Server 2012	Microsoft ODBC MDAC 2.8	Yes	Yes	Yes
	Microsoft OLEDB MDAC 2.8	Yes	Yes	Yes
	SQL Server Native Client 11	Yes	Yes	Yes
Microsoft SQL Server 2014	SQL Server ODBC Native Client 11 (SQLNCLI11.DLL)	Yes	Yes	Yes
	ODBC driver 11 for SQL Server (MSODBCSQL11.DLL)	Yes	Yes	Yes
Oracle 10gR1	Oracle Native Client 10.1	Yes	Yes	Yes
	ODBC Oracle 10.1	Yes	Yes	Yes
	OLEDB Oracle 10.1	Yes	Yes	Yes
Oracle 10gR2	Oracle Native Client 10.2	Yes	Yes	Yes
	ODBC Oracle 10.2	Yes	Yes	Yes
	OLEDB Oracle 10.2	Yes	Yes	Yes
Oracle 11gR1	Oracle Native Client 11.1	Yes	Yes	Yes
	ODBC Oracle 11.1	Yes	Yes	Yes
	OLEDB Oracle 11.1	Yes	Yes	Yes
Oracle 11gR2	Oracle Native Client 11.2	Yes	Yes	Yes
	ODBC Oracle 11.2	Yes	Yes	Yes
	OLEDB Oracle 11.2	Yes	Yes	Yes
Oracle 12c	Oracle Native Client 12.1	Yes	Yes	Yes
	ODBC Oracle 12.1	Yes	Yes	Yes

	OleDb Oracle 12.1	Yes	Yes	Yes
SAP HANA	HANA ODBC 1.0 SP7	Yes	Yes	Yes
	HANA ODBC 1.0 SP8	Yes	Yes	Yes
	HANA ODBC 1.0 SP9	Yes	Yes	Yes
SAP Sybase IQ 16	Sybase ODBC for Sybase IQ 16	Yes	Yes	Yes
SAP Sybase SQL Anywhere (ASA) 16	SQL Anywhere ODBC Driver 16	Yes	Yes	Yes
SAP Sybase Adaptive Server Enterprise (ASE) 16	ASE ODBC driver 16.0 ⁵	Yes	Yes	Yes
Field Definitions ⁴	N/A	Yes	No	Yes
File System	N/A	Yes	No	Yes
Text	ODBC	Yes	No	Yes

(¹) 32-bit and 64-bit refers to the use of the SAP Crystal Reports for .NET runtime versions and does not refer to the database/technology vendor.

(²) Generic ODBC and OleDb: Limitation:

- Database server, Client and ODBC/OleDb driver used must support multiple threads.
- Generic ODBC: 3rd Party ODBC Level 2-compliant Drivers may potentially have issues as not all combinations have been tested yet, but are supported as a general rule.

(³) When using ADO.NET with the Microsoft .NET Framework 4.0 (and above), the following setting must be added to the application's configuration file:

```
<configuration>
  <startup useLegacyV2RuntimeActivationPolicy="true">
    <supportedRuntime version="v4.0"/>
  </startup>
</configuration>
```

(⁴) The data source connectivity is deprecated and will be discontinued in a future release.

(⁵) Use SDK FOR SAP ASE 16.0 PL02 or higher version

Supported Visual Studio Versions

- Microsoft Visual Studio 2010 (Professional, Premium, and Ultimate)
- Microsoft Visual Studio 2012 (Professional, Premium, and Ultimate)
- Microsoft Visual Studio 2013 (Community, Professional, Premium, and Ultimate)

Note: Crystal Reports 2008 will not integrate with Microsoft Visual Studio 2010 and above versions. However, the Crystal Reports 2008 Designer can be used to design reports (.rpt files) that are compatible with SAP Crystal Reports, developer version for Microsoft Visual Studio.

Supported .NET Framework Versions

- .NET Framework 2.0 (including Service Packs)
- .NET Framework 3.5 (including Service Packs)
- .NET Framework 4.0 (including Service Packs)
- .NET Framework 4.5 (including Service Packs)
- .NET Framework 4.5.1 (including Service Packs)

Note: Visual Studio supports targeting multiple versions of the .NET Framework. The SAP Crystal Reports, developer version for Microsoft Visual Studio components also support this in that customers can build applications using Crystal Reports on the 2.0, 3.5, 4.0, 4.5 and 4.5.1 .NET Frameworks.

Related Content

- [SAP Crystal Reports for Visual Studio](#)

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