

Crystal Reports 2020 Data Access

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Source Type	Vendor	Source	Source version	Network Layer / Middleware Type	Change indicator	Middleware version	Windows (64bit)	Linux* (64bit)	AIX* (64bit)	Solaris* (64bit)	
							Qualifier	Qualifier	Qualifier	Qualifier	
	Apache	Hadoop	1.0	JDBC		HIVE JDBC driver 0.12	Direct	Not Supported	Not Supported	Not Supported	
	Generic source	Generic JavaBean	JavaBean	Java		JavaBean	Generic	Not Supported	Not Supported	Not Supported	
		Generic JDBC (1)	JDBC	JDBC		Java 1.6	Generic	Not Supported	Not Supported	Not Supported	
		Generic ODBC (1)	ODBC	ODBC		ODBC	Generic	Not Supported	Not Supported	Not Supported	
		Generic OLEDB (1)	OLEDB	OLEDB		OLEDB	Generic	Not Supported	Not Supported	Not Supported	
	Pivotal	Greenplum Database	4.3	ODBC		PostgreSQL 9.3 ODBC	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		PostgreSQL 9.3 JDBC	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DataDirect ODBC Driver for Pivotal Greenplum	Direct	Not Supported	Not Supported	Not Supported	
			6	JDBC	New	DataDirect JDBC Driver for Pivotal Greenplum	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	New	DataDirect JDBC Driver for Pivotal Greenplum	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DataDirect JDBC Driver for Pivotal Greenplum	Direct	Not Supported	Not Supported	Not Supported	
	HP	Vertica	8	ODBC		HP Vertica ODBC Driver 8	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		HP Vertica JDBC Driver 8	Direct	Not Supported	Not Supported	Not Supported	
			9	ODBC		HP Vertica ODBC Driver 9	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		HP Vertica JDBC Driver 9	Direct	Not Supported	Not Supported	Not Supported	
			10	ODBC	BI 4.3 SP02+	HP Vertica ODBC Driver 10	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	BI 4.3 SP02+	HP Vertica JDBC Driver 10	Direct	Not Supported	Not Supported	Not Supported	
	IBM	DB2 for LUW (Linux, Unix, Windows)	10.5	DB2 CAE		DB2 Client v10.5	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported	
				ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported	
			11.1	DB2 CAE		DB2 Client v11.1	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported	
				ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported	
			11.5	DB2 CAE	BI 4.3 SP01+	DB2 Client v11.5	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	BI 4.3 SP01+	DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported	
				ODBC	BI 4.3 SP01+	DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported	
			DB2 with BLU Acceleration	10.5	DB2 CAE		DB2 Client v10.5	Direct	Not Supported	Not Supported	Not Supported
					JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported
					ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported
		DB2 for i (Series)	7.1	DB2 CAE		DB2 Connect v10.1	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported	
				ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported	
				7.2	DB2 CAE		DB2 Connect v10.1	Direct	Not Supported	Not Supported	Not Supported
					JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported
					ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported
			7.3	DB2 CAE		DB2 Connect v10.5	Direct	Not Supported	Not Supported	Not Supported	
				JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported	
				ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported	
			DB2 for z/OS	12.1	DB2 CAE		DB2 Connect v11.1	Direct	Not Supported	Not Supported	Not Supported
					JDBC		DB2 Universal JDBC Driver	Direct	Not Supported	Not Supported	Not Supported
					ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported
	IDS (Informix Dynamic Server)	11.70	ODBC		IBM Informix ODBC SDK 3.70	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported		
		12.10	ODBC		IBM Informix ODBC SDK 4.10	Direct	Not Supported	Not Supported	Not Supported		
	Netezza (IBM Puredata)	7.2	ODBC		Netezza ODBC 7.2	Direct	Not Supported	Not Supported	Not Supported		
			JDBC		Netezza JDBC 7.2	Direct	Not Supported	Not Supported	Not Supported		
	Netezza Performance Server	11	ODBC	BI 4.3 SP01+	Netezza ODBC 7.2	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	BI 4.3 SP01+	Netezza JDBC 7.2	Direct	Not Supported	Not Supported	Not Supported		
	Lotus Notes (6)	7	ODBC		ODBC Lotus Notes 7	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		Microsoft Access Driver (*.mdb, *.accdb), version 15.00.4420.1017	Direct	Not Supported	Not Supported	Not Supported		
	Access	2013	OLEDB		Microsoft Office 15.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		Microsoft Access Driver (*.mdb, *.accdb), version 16.00.4266.1001	Direct	Not Supported	Not Supported	Not Supported		
			OLEDB		Microsoft Office 16.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
		2019	ODBC	New	Microsoft Access Driver (*.mdb, *.accdb), version 16.00.4266.1001	Direct	Not Supported	Not Supported	Not Supported		
			OLEDB	New	Microsoft Office 16.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		Microsoft Access Driver (*.mdb, *.accdb), version 15.00.4420.1017	Direct	Not Supported	Not Supported	Not Supported		
	Excel	2013	OLEDB		Microsoft Office 15.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 16.00.4266.1001	Direct	Not Supported	Not Supported	Not Supported		
			OLEDB		Microsoft Office 16.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
		2019	ODBC	New	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 16.00.4266.1001	Direct	Not Supported	Not Supported	Not Supported		
			OLEDB	New	Microsoft Office 16.0 Access Database Engine OLE DB Provider	Direct	Not Supported	Not Supported	Not Supported		
			ODBC		Crystal Reports Outlook/Exchange driver	Direct	Not Supported	Not Supported	Not Supported		
	Outlook (6)	2013	N/A		Crystal Reports Outlook driver	Direct	Not Supported	Not Supported	Not Supported		
			N/A		Crystal Reports Outlook/Exchange driver	Direct	Not Supported	Not Supported	Not Supported		
			N/A		Crystal Reports Outlook/Exchange driver	Direct	Not Supported	Not Supported	Not Supported		

Possible Options

Support Status	Qualifier
✓	Direct
✗	Not Supported
Planned	Compatible

Discontinued

KNW (Know Not to Work)



PostgreSQL	PostgreSQL	9.6	ODBC	PostgreSQL 9.6 ODBC	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	PostgreSQL 42.1 JDBC	Direct	Not Supported	Not Supported	Not Supported		
		10	ODBC	PostgreSQL 10 ODBC	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	PostgreSQL 42.2 JDBC	Direct	Not Supported	Not Supported	Not Supported		
		11	ODBC	New PostgreSQL 11 ODBC	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	New PostgreSQL 42.2 JDBC	Direct	Not Supported	Not Supported	Not Supported		
		12	ODBC	BI 4.3 SP01+ PostgreSQL 12 ODBC	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	BI 4.3 SP01+ PostgreSQL 42.2 JDBC	Direct	Not Supported	Not Supported	Not Supported		
		13	ODBC	BI 4.3 SP02+ PostgreSQL 13 ODBC	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	BI 4.3 SP02+ PostgreSQL 42.2 JDBC	Direct	Not Supported	Not Supported	Not Supported		
		Progress Software	Progress OpenEdge	11.3	ODBC	OpenEdge 11.3B ODBC	Direct	Not Supported	Not Supported	Not Supported
					JDBC	OpenEdge 11.3B JDBC	Direct	Not Supported	Not Supported	Not Supported
11.6	ODBC			OpenEdge 11.6 ODBC	Direct	Not Supported	Not Supported	Not Supported		
	JDBC			OpenEdge 11.6 JDBC	Direct	Not Supported	Not Supported	Not Supported		
12	ODBC			BI 4.3 SP01+ DataDirect ODBC Driver for OpenEdge 7.1.6	Direct	Not Supported	Not Supported	Not Supported		
	JDBC			BI 4.3 SP01+ DataDirect JDBC Driver for OpenEdge 5.1.4	Direct	Not Supported	Not Supported	Not Supported		
SAP	MaxDB	7.9	ODBC	MaxDB ODBC 7.9	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	MaxDB JDBC 7.9	Direct	Not Supported	Not Supported	Not Supported		
	Sybase ASE (Adaptive Server Enterprise)	15.7	JDBC	Sybase JConnect JDBC Driver	Direct	Not Supported	Not Supported	Not Supported		
			ODBC	DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported		
		16.0	JDBC	Sybase JConnect JDBC Driver	Direct	Not Supported	Not Supported	Not Supported		
			ODBC	ASE ODBC driver 16.0 (2)	Direct	Not Supported	Not Supported	Not Supported		
	Sybase IQ	16	ODBC	DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	Sybase JConnect JDBC Driver	Direct	Not Supported	Not Supported	Not Supported		
		16.1	ODBC	Sybase IQ 16 ODBC Driver	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	Sybase JConnect JDBC Driver	Direct	Not Supported	Not Supported	Not Supported		
	Sybase SQL Anywhere (ASA)	17	ODBC	Sybase IQ 16.1 ODBC Driver (11)	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	Sybase JConnect JDBC Driver	Direct	Not Supported	Not Supported	Not Supported		
	HANA SQL	1.0	ODBC	SQL Anywhere ODBC Driver 17	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	HANA Client 1.x	Direct	Not Supported	Not Supported	Not Supported		
		2.0	ODBC	HANA Client 1.x	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	HANA Client 2.x	Direct	Not Supported	Not Supported	Not Supported		
		HANA Cloud	1.0	ODBC	HANA Client 2.x	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	BI 4.3 SP01+ HANA Client 2.5 or higher	Direct	Not Supported	Not Supported	Not Supported	
	Data Warehouse Cloud	1.0	ODBC	BI 4.3 SP01+ HANA Client 2.5 or higher	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	BI 4.3 SP01+ HANA Client 2.5 or higher	Direct	Not Supported	Not Supported	Not Supported		
	Snowflake	Snowflake	N/A	ODBC	New Snowflake ODBC 2.21	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	New Snowflake JDBC 3.10	Direct	Not Supported	Not Supported	Not Supported	
	Teradata	Teradata (7) (16)	15.1	ODBC	Teradata ODBC TTU 15.1	Direct	Not Supported	Not Supported	Not Supported	
				JDBC	Teradata JDBC TTU 15.1	Direct	Not Supported	Not Supported	Not Supported	
16.2			ODBC	Teradata ODBC Driver 16.20	Direct	Not Supported	Not Supported	Not Supported		
			JDBC	Teradata JDBC Driver 16.20	Direct	Not Supported	Not Supported	Not Supported		
17.0	ODBC	BI 4.3 SP02+ Teradata ODBC Driver 17.00	Direct	Not Supported	Not Supported	Not Supported				
	JDBC	BI 4.3 SP02+ Teradata JDBC Driver 17.00	Direct	Not Supported	Not Supported	Not Supported				
Sage	ACT1 (6)	6	ACT	ACT 6 (4)	Direct	Not Supported	Not Supported	Not Supported		
OLAP	Microsoft	SQL Server Analysis Services	2012	Client	Microsoft SQL Server 2008 Analysis Services 11.0	Direct	Not Supported	Not Supported	Not Supported	
				OleDb	Microsoft OLE DB Provider for OLAP Service 11.0 (4)	Direct	Not Supported	Not Supported	Not Supported	
			2014	Client	Microsoft SQL Server 2008 Analysis Services 12.0	Direct	Not Supported	Not Supported	Not Supported	
				OleDb	Microsoft OLE DB Provider for OLAP Service 12.0 (4)	Direct	Not Supported	Not Supported	Not Supported	
			2016	OleDb	Microsoft OLE DB Provider for OLAP Service 13.0 (4)	Direct	Not Supported	Not Supported	Not Supported	
2017	OleDb	Microsoft OLE DB Provider for OLAP Service 14.0 (4)	Direct	Not Supported	Not Supported	Not Supported				
SAP	Hyperion System	11	Client	Hyperion Essbase client 11.1.2.4 (4)	Direct	Not Supported	Not Supported	Not Supported		
			mySAP ERP 2005, SP22 (5)	2005	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP ERP 6.0, EhP6, SP02 (5)	6.0 EhP6	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP ERP 6.0, EhP7 (5)	6.0 EhP7	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP NetWeaver BI (BW) 7.3 (17)	7.3	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP NetWeaver BI (BW) 7.31, SP04 (17)	7.31	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP NetWeaver BI (BW) 7.40, SP04 (17)	7.4	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP NetWeaver BI (BW) 7.50, SP01+	7.5	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP BW/4 HANNA 1.0, SP09+	1.0	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			SAP BW/4 HANNA 2.0, SP01+	2.0	N/A	Crystal Reports SAP drivers	Direct	Not Supported	Not Supported	Not Supported
			Applications	E-Business Suite (14)	12.1	N/A	Crystal Reports Oracle E-Business Suite driver	Direct	Not Supported	Not Supported
8.96	N/A	Crystal Reports JD Edwards driver				Direct	Not Supported	Not Supported	Not Supported	
JD Edwards EnterpriseOne Tools (13)(14)	8.97	N/A				Crystal Reports JD Edwards driver	Direct	Not Supported	Not Supported	Not Supported
	8.98	N/A				Crystal Reports JD Edwards driver	Direct	Not Supported	Not Supported	Not Supported
PeopleSoft PeopleTools (14)	8.48	N/A		Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported		
		8.49		N/A	Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported	
		8.50		N/A	Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported	
		8.51		N/A	Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported	
		8.53		N/A	Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported	
		8.54		N/A	Crystal Reports PeopleSoft Enterprise driver	Direct	Not Supported	Not Supported	Not Supported	
Siebel Web Client / Tools / Business Application (13)(14)	8.1	N/A		Crystal Reports Siebel driver	Direct	Not Supported	Not Supported	Not Supported		

	Salesforce	Salesforce	N/A	CR	Crystal Reports Salesforce.com driver	Direct	Not Supported	Not Supported	Not Supported
Developer	Microsoft	ADO.NET	N/A	ADO.NET	Microsoft .NET Framework 4.5+	Direct	Not Supported	Not Supported	Not Supported
Text	N/A	Field Definitions	N/A	N/A	N/A	Direct	Not Supported	Not Supported	Not Supported
		File System (6)	N/A	N/A	N/A	Direct	Not Supported	Not Supported	Not Supported
		Text (6)	N/A	ODBC	ODBC	Direct	Not Supported	Not Supported	Not Supported
		Text (6)	N/A	ODBC	DataDirect ODBC (10)	Direct	Not Supported	Not Supported	Not Supported
		Web Log (6)	N/A	N/A	N/A (4)	Direct	Not Supported	Not Supported	Not Supported
	XML	N/A	N/A	Crystal Reports XML driver	Direct	Not Supported	Not Supported	Not Supported	
	Microsoft	IIS Log (6)	N/A	N/A	N/A(4)	Direct	Not Supported	Not Supported	Not Supported
WebService	N/A	Web Service	N/A	N/A	Crystal Reports webservice driver	Direct	Not Supported	Not Supported	Not Supported

\* Crystal Reports 2020 is offered as a 64-bit native binary. It requires 64-bit data source middleware connectivity on all operating systems

\* Crystal Reports 2020 uses the 64-bit ODBC registry on all versions of Windows. To administer 64-bit ODBC DSNs on 64-bit versions of Windows, run the 64-bit ODBC Administrator, located here: C:\Windows\System32\odbcad32.exe

\* In BI Platform 4.3 SP02+, Crystal Reports 2020 services are no longer available on Linux/Unix. But these services could still be deployed to a Windows server, and work together with Linux/Unix BI Platform. See SAPNote 3109523 for more detail.

\* Consuming OLAP is supported via direct connection only. OLAP Universes are not supported.

(1) Please consult Platforms Support Policy for Generic ODBC, OLEDB and JDBC requirements ( <https://websmp108.sap-ag.de/bosap-supportedplatforms>).

(2) Please use SDK FOR SAP ASE 16.0 PL02 or higher version

(3) Due to a known issue, please avoid using Sybase JConnector 7.0.7 to access Sybase SQL Anywhere 16

(4) Unicode not supported for this connectivity

(5) SAP servers required to have at least the above patch levels. The following correction notes should be applied to your SAP BW / SAP NetWeaver BI system: 1125433, 1161911, 1162349, 1162416, 1170323, 1230303 and 1007048. OSS Correction Note 1007048 requires a manual configuration step.

(6) For scheduling only

(7) Reference document is available on Teradata public website:

1. Go to: <https://docs.teradata.com/>
2. Search for "Supported Platforms and Product Versions" and filter by release version
3. When presented with the search results, choose the document entitled: "Teradata Tools and Utilities xx.yy Supported Platforms and Product Versions"

(8) Compatible support. Reference document on Vertica website: <http://my.vertica.com/docs/7.1.x/HTML/index.htm#Authoring/ConnectingToHPVertica/ClientDriverMisc/ClientDriverAndServerVersionCompatibility.htm>

(9) Oracle Real Application Cluster (RAC) is supported

(10) DataDirect ODBC drivers (DB2/IDS/SQLServer/Oracle/Sybase ASE/Text) for use with Crystal Reports only are included in the installation for CR 2020 [Designer] and the installation of CR 2020 Engines with BI Platform

(11) SAP IQ Network Client 16.1 SP03+

(12) Stored procedures are NOT supported when using Oracle Provider for OLE DB

(13) Oracle JVM install and configuration is needed for JDE and Siebel Integration Kits, see SAP Note 2255770.

(14) Crystal Reports connectivity to Oracle applications will be deprecated, and not available in future releases. They will be supported till EOL of BI 4.2 <Q4, 2022>, or EOL of previously certified Oracle releases (whichever comes first).

(15) Date and Time datatype has known limitation, use ODBC or JDBC when necessary. For more information, see <https://launchpad.support.sap.com/#/notes/0001568443>

(16) Teradata Stored procedures are NOT supported, use Teradata Marcos instead (via ODBC).

(17) Support for 'standalone version of SAP NetWeaver Business Warehouse' version 7.4 and lower, has ended in Dec 2020. Check SAP Note 2741041 for more detail.