

Vendor	Source	Source version	Network Layer / Middleware Type	Middleware version
Apache	Hadoop	1.0	JDBC	HIVE JDBC driver 0.12
Generic source	Generic JavaBean	JavaBean	Java	JavaBean
	Generic JDBC (1)	JDBC	JDBC	Java 1.6
	Generic ODBC (1)	ODBC	ODBC	ODBC
	Generic OLEDB (1)	OLEDB	OLEDB	OLEDB
Pivotal	Greenplum Database	4.3	ODBC	PostgreSQL 9.3 ODBC
			JDBC	PostgreSQL 9.3 JDBC
			ODBC	DataDirect ODBC Driver for Pivotal Greenplum
		JDBC	DataDirect ODBC Driver for Pivotal Greenplum	
		6	ODBC	DataDirect JDBC Driver for Pivotal Greenplum
			JDBC	DataDirect JDBC Driver for Pivotal Greenplum
HP	Vertica	8	ODBC	HP Vertica ODBC Driver 8
			JDBC	HP Vertica JDBC Driver 8
		9	ODBC	HP Vertica ODBC Driver 9
			JDBC	HP Vertica JDBC Driver 9
	DB2 for LUW (Linux, Unix, Windows)	10.1	DB2 CAE	DB2 Client v10.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
		10.5	DB2 CAE	DB2 Client v10.5
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
		11.1	DB2 CAE	DB2 Client v11.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
			DB2 with BLU Acceleration	10.5
JDBC	DB2 Universal JDBC Driver			
			DB2 CAE	DB2 Connect v9.5

IBM	DB2 for i (iSeries)	6.1	JDBC	DB2 Universal JDBC Driver
			Client Access	IBM AS/400 Client Access 6.1
			ODBC	DataDirect ODBC (10)
		7.1	DB2 CAE	DB2 Connect v10.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
		7.2	DB2 CAE	DB2 Connect v10.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
		7.3	DB2 CAE	DB2 Connect v10.5
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
	DB2 for z/OS	11	DB2 CAE	DB2 Connect v10.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
		12	DB2 CAE	DB2 Connect v11.1
			JDBC	DB2 Universal JDBC Driver
			ODBC	DataDirect ODBC (10)
	IDS (Informix Dynamic Server)	11.70	ODBC	IBM Informix ODBC SDK 3.70
			ODBC	DataDirect ODBC (10)
12.10		ODBC	IBM Informix ODBC SDK 4.10	
		ODBC	DataDirect ODBC (10)	
Netezza (IBM Puredata)	7.2	ODBC	Netezza ODBC 7.2	
		JDBC	Netezza JDBC 7.2	
Lotus Notes (6)	7	ODBC	ODBC Lotus Notes 7	
			ODBC	Microsoft Access Driver (*.mdb, *.accdb), version 14.00.4760.1000

2010

Access	2013	OLEDB	Microsoft Office 14.0 Access Database Engine OLE DB Provider
		ODBC	Microsoft Access Driver (*.mdb, *.accdb), version 15.00.4420.1017
	2016	OLEDB	Microsoft Office 15.0 Access Database Engine OLE DB Provider
		ODBC	Microsoft Access Driver (*.mdb, *.accdb), version 16.00.4266.1001
	2019	OLEDB	Microsoft Office 16.0 Access Database Engine OLE DB Provider
		ODBC	Microsoft Access Driver (*.mdb, *.accdb), version 16.00.4266.1001
Excel	2010	ODBC	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 14.00.4760.1000
		OLEDB	Microsoft Office 14.0 Access Database Engine OLE DB Provider
	2013	ODBC	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 15.00.4420.1017
		OLEDB	Microsoft Office 15.0 Access Database Engine OLE DB Provider

Microsoft

Microsoft	Excel	2016	ODBC	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 16.00.4266.1001
			OLEDB	Microsoft Office 16.0 Access Database Engine OLE DB Provider
		2019	ODBC	Microsoft Excel Driver (*.xls, *.xlsx, *.xlsm, *.xlsb), version 16.00.4266.1001
			OLEDB	Microsoft Office 16.0 Access Database Engine OLE DB Provider
	Outlook (6)	2010	N/A	Crystal Reports Outlook/Exchange driver
			N/A	Crystal Reports Outlook driver
		2013	N/A	Crystal Reports Outlook/Exchange driver
			N/A	Crystal Reports Outlook driver
		2016	N/A	Crystal Reports Outlook/Exchange driver
			N/A	Crystal Reports Outlook driver
		2012	ODBC	Microsoft SQL Server Native Client 11.0
			OLEDB	Microsoft SQL Server Native Client 11.0
			JDBC	Microsoft JDBC Driver 4.0 for SQL Server
			ODBC	DataDirect ODBC (10)
2014		ODBC	Microsoft SQL Server Native Client 11.0	
		ODBC	Microsoft ODBC Driver 11 for SQL Server	

SQL Server	2016	JDBC	Microsoft JDBC Driver 4.0 for SQL Server	
		ODBC	DataDirect ODBC (10)	
		ODBC	Microsoft SQL Server Native Client 11.0	
		ODBC	Microsoft ODBC Driver 13 for SQL Server	
		JDBC	Microsoft JDBC Driver 6.0 for SQL Server	
		ODBC	DataDirect ODBC (10)	
	2017	ODBC	Microsoft ODBC Driver 17 for SQL Server	
		OLEDB	Microsoft OLEDB Driver 18 for SQL Server	
		JDBC	Microsoft JDBC Driver 6.2 for SQL Server	
		ODBC	DataDirect ODBC (10)	
	Parallel Data Warehouse	2012	ODBC	Microsoft SQL Server Native Client 11.0
			JDBC	Microsoft JDBC Driver 4.0 for SQL Server
		2014	ODBC	Microsoft SQL Server Native Client 11.0
			JDBC	Microsoft JDBC Driver 4.0 for SQL Server
COM	N/A	COM	N/A	
NT Event Log (6)	N/A	N/A	N/A (4)	
MySQL Community Server	5.7	ODBC	MySQL Connector/ODBC 5.3	
		JDBC	MySQL Connector/J (JDBC) 5.1	
	8	ODBC	MySQL Connector/ODBC 8.0	
		JDBC	MySQL Connector/J (JDBC) 8.0	
	11gR2 (9)	Oracle OCI	Oracle Net Client 11.2	
		JDBC	Oracle JDBC driver 11.2	
ODBC		DataDirect ODBC (10)		

Oracle	Oracle Database	12c (9)	ODBC	ODBC Oracle 11.2
			OleDb	OleDb Oracle 11.2 (12)
			Oracle OCI	Oracle Net Client 12
			JDBC	Oracle JDBC driver 12
			ODBC	DataDirect ODBC (10)
			OleDb	OleDb Oracle 12
		OleDb	OleDb Oracle 12 (12)	
		12c R2 (9)	Oracle OCI	Oracle Net Client 12.2
			JDBC	Oracle JDBC driver 12.2
			ODBC	DataDirect ODBC (10)
			ODBC	ODBC Oracle 12.2
			OleDb	OleDb Oracle 12.2 (12)
	OleDb		OleDb Oracle 12.2 (12)	
	18c (9)	Oracle OCI	Oracle Net Client 18	
		JDBC	Oracle JDBC driver 18	
		ODBC	DataDirect ODBC (10)	
		ODBC	ODBC Oracle 19	
		OleDb	OleDb Oracle 18 (12)	
		OleDb	OleDb Oracle 18 (12)	
	19c (9)	Oracle OCI	Oracle Net Client 19	
		JDBC	Oracle JDBC driver 19	
		ODBC	DataDirect ODBC (10)	
		ODBC	ODBC Oracle 19	
		OleDb	OleDb Oracle 19 (12)	
		OleDb	OleDb Oracle 19 (12)	
	Exadata	12c R2 (9)	Oracle OCI	Oracle Net Client 12.2
			JDBC	Oracle JDBC driver 12.2
ODBC			ODBC Oracle 12.2	
OleDb			OleDb Oracle 12.2 (12)	
OleDb			OleDb Oracle 12.2 (12)	
OleDb			OleDb Oracle 12.2 (12)	
18c (9)		Oracle OCI	Oracle Net Client 18	
		JDBC	Oracle JDBC driver 18	
		ODBC	ODBC Oracle 19	
		OleDb	OleDb Oracle 18 (12)	
		OleDb	OleDb Oracle 18 (12)	
		OleDb	OleDb Oracle 18 (12)	
19c (9)	Oracle OCI	Oracle Net Client 19		
	JDBC	Oracle JDBC driver 19		
	ODBC	ODBC Oracle 19		
	OleDb	OleDb Oracle 19 (12)		
	OleDb	OleDb Oracle 19 (12)		
	OleDb	OleDb Oracle 19 (12)		
Pervasive Software	Pervasive SQL (6)	8	ODBC	ODBC Pervasive 8
		10	ODBC	ODBC Pervasive 10
			OleDb	OleDb Pervasive 10

PostgreSQL	PostgreSQL	9.5	JDBC	JDBC Pervasive 10
			ODBC	PostgreSQL 9.5 ODBC
		9.6	JDBC	PostgreSQL 9.4 JDBC
			ODBC	PostgreSQL 9.6 ODBC
		10	JDBC	PostgreSQL 42.1 JDBC
			ODBC	PostgreSQL 10 ODBC
11	JDBC	PostgreSQL 42.2 JDBC		
	ODBC	PostgreSQL 11 ODBC		
Progress Software	Progress OpenEdge	11.3	JDBC	PostgreSQL 42.2 JDBC
			ODBC	OpenEdge 11.3B ODBC
		11.6	JDBC	OpenEdge 11.3B JDBC
			ODBC	OpenEdge 11.6 ODBC
SAP	MaxDB	7.9	JDBC	OpenEdge 11.6 JDBC
			ODBC	MaxDB ODBC 7.9
	Sybase ASE (Adaptive Server Enterprise)	15.7	JDBC	MaxDB JDBC 7.9
			ODBC	Sybase JConnect JDBC Driver
		16.0	JDBC	Sybase JConnect JDBC Driver
			ODBC	DataDirect ODBC (10)
			ODBC	ASE ODBC driver 16.0 (2)
			ODBC	DataDirect ODBC (10)
	Sybase IQ	16	JDBC	Sybase JConnect JDBC Driver
			ODBC	Sybase IQ 16 ODBC Driver
		16.1	JDBC	Sybase JConnect JDBC Driver
			ODBC	Sybase IQ 16.1 ODBC Driver (11)
	Sybase SQL Anywhere (ASA)	17	JDBC	Sybase JConnect JDBC Driver
			ODBC	SQL Anywhere ODBC Driver 17
	HANA SQL	2.0	ODBC	HANA ODBC 1.0
			JDBC	HANA JDBC 1.0
ODBC			HANA ODBC 2.0	

			JDBC	HANA JDBC 2.0
Snowflake	Snowflake	N/A	ODBC	Snowflake ODBC 2.21
			JDBC	Snowflake JDBC 3.10
		15.1	ODBC	Teradata ODBC TTU 15.1
			JDBC	Teradata JDBC TTU 15.1
Teradata	Teradata (7) (16)	16.2	ODBC	Teradata ODBC Driver 16.20
			JDBC	Teradata JDBC Driver 16.20
Sage	ACT! (6)	6	ACT	ACT 6 (4)
		2012	Client	Microsoft SQL Server 2008 Analysis Services 11.0
			OLEDB	Microsoft OLE DB Provider for OLAP Service 11.0 (4)
		2014	Client	Microsoft SQL Server 2008 Analysis Services 12.0
Microsoft	SQL Server Analysis Services		OLEDB	Microsoft OLE DB Provider for OLAP Service 12.0 (4)
		2016	OLEDB	Microsoft OLE DB Provider for OLAP Service 13.0 (4)
		2017	OLEDB	Microsoft OLE DB Provider for OLAP Service 14.0 (4)
Oracle	Hyperion System	11	Client	Hyperion Essbase client 11 (4)
	mySAP ERP 2005, SP22 (5)	2005	N/A	Crystal Reports SAP drivers
	SAP ERP 6.0, EhP6, SP02 (5)	6.0 EhP6	N/A	Crystal Reports SAP drivers
	SAP ERP 6.0, EhP7 (5)	6.0 EhP7	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.0, SP33 (5)	7.0	N/A	Crystal Reports SAP drivers

SAP	SAP NetWeaver BI 7.01, SP16 (5)	7.01	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.02 (5)	7.02	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.3 (5)	7.3	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.31, SP04 (5)	7.31	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.40, SP04 (5)	7.4	N/A	Crystal Reports SAP drivers
	SAP NetWeaver BI 7.50, SP01 (5)	7.5	N/A	Crystal Reports SAP drivers
	Universal Web Services Connector (UWSC)	N/A	UWSC	Crystal Reports UWSC driver
Oracle	E-Business Suite (14)	12.1	N/A	Crystal Reports Oracle E-Business Suite driver
	JD Edwards EnterpriseOne Tools (13)(14)	8.96	N/A	Crystal Reports JD Edwards driver
		8.97	N/A	Crystal Reports JD Edwards driver
		8.98	N/A	Crystal Reports JD Edwards driver
	PeopleSoft PeopleTools (14)	8.48	N/A	Crystal Reports PeopleSoft Enterprise driver
		8.49	N/A	Crystal Reports PeopleSoft Enterprise driver
		8.50	N/A	Crystal Reports PeopleSoft Enterprise driver
		8.51	N/A	Crystal Reports PeopleSoft Enterprise driver
		8.53	N/A	Crystal Reports PeopleSoft Enterprise driver

		8.54	N/A	Crystal Reports PeopleSoft Enterprise driver
	Siebel Web Client / Tools / Business Application (13)(14)	8.1	N/A	Crystal Reports Siebel driver
Salesforce	Salesforce	N/A	CR	Crystal Reports Salesforce.com driver
Microsoft	ADO.NET	N/A	ADO.NET	Microsoft .NET Framework 4.5+
N/A	Field Definitions	N/A	N/A	N/A
	File System (6)	N/A	N/A	N/A
	Text (6)	N/A	ODBC	ODBC
	Text (6)	N/A	ODBC	DataDirect ODBC (10)
	Web Log (6)	N/A	N/A	N/A (4)
	XML	N/A	N/A	Crystal Reports XML driver
Microsoft	IIS Log (6)	N/A	N/A	N/A (4)
N/A	Web Service	N/A	N/A	Crystal Reports webservice driver