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## Supported database, JDBC drivers and .NET drivers

Visual Paradigm provides a visual modeling environment for modeling software systems. By connecting a relational database to Visual Paradigm, Visual Paradigm can automate the mapping between [database design \(ER model\)](#) and relational database. Visual Paradigm supports the most common relational databases, including Oracle, DB2, Microsoft SQL Server, Sybase Adaptive Server Enterprise, Sybase SQL Anywhere, MySQL, HSQLDB, Cloudscape/Derby and PostgreSQL. Their relative JDBC Drivers and .NET Drivers are listed in the following tables.

In order to connect to any of the supported database, the relative JDBC and .NET Drivers are required for configuring the database connection. All of the required JDBC and .Net Drivers are not bundled with Visual Paradigm. Yet, you can get the driver files by using the automatic download function provided, or to have them manually downloaded.

Table shows the supported DBMS and their corresponding JDBC Drivers.

DBMS	JDBC Driver Name
Cache	InterSystems Cache
Cloudscape/Derby 10.6.2.1 or lower	Cloudscape/Derby (Embedded) Cloudscape/Derby (Server)
Cloudscape/Derby 10.7 or above	Derby 10.7 (Embedded) Derby 10.7 (Server)
DB2 7/8	DB2 (Type 4 Driver) DB2 (App Driver) DB2 (Net Driver) DB2 (AS/400 Toolbar for Java JDBC Driver) DB2 (DataDirect Connect Driver)
Firebird	Firebird
FrontBase	FrontBase
H2	H2
HSQLDB 1.61 - 1.8	HSQLDB (In-process) HSQLDB (Server)
IBM Informix	IBM Informix (Client) IBM Informix (Server) Informix (DataDirect Connect Driver)
Ingres	Ingres
MariaDB	MariaDB
MS SQL Server 2005 or lower	MS SQL Server (jTDS Driver) MS SQL Server (Microsoft Driver) MS SQL Server 2005 (Microsoft Driver) MS SQL Server (SequeLink Driver) MS SQL Server (DataDirect Connect Driver) MS SQL Server (WebSphere Connect Driver) MS SQL Server (JSQL Driver) MS SQL Server (JTURBO Driver) MS SQL Server (Weblogic Connect Driver)
MS SQL Server 2008 or higher	MS SQL Server (jTDS Driver) MS SQL Server 2005 (Microsoft Driver)

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DBMS	JDBC Driver Name
	MS SQL Server (SequeLink Driver)
	MS SQL Server (DataDirect Connect Driver)
	MS SQL Server (WebSphere Connect Driver)
	MS SQL Server (JSQL Driver)
	MS SQL Server (JTURBO Driver)
	MS SQL Server (Weblogic Connect Driver)
MySQL 5.0.4 or lower	MySQL (Connector/J Driver)
	MySQL 5 (Connector/J Driver)
MySQL 5.0.5 or higher	MySQL 5 (Connector/J Driver)
OpenEdge	OpenEdge
Oracle	Oracle (DataDirect SequeLink Driver)
Oracle 8i	Oracle8i (THIN JDBC Driver)
Oracle 9i	Oracle9i/10g (or above)
PostgreSQL	PostgreSQL
Redshift	Redshift
SQLite	SQLite
Sybase Adaptive Server Enterprise 12.5	Sybase Adapter Server Enterprise (jConnect Driver)
	Sybase Adapter Server Enterprise (JTDS Driver)
	Sybase (DataDirect Driver)
Sybase SQL Anywhere 9	Sybase SQL Anywhere (jConnect Driver)

Table shows the supported DBMS and their corresponding .NET Drivers.

DBMS	.NET Driver Name
Cache	InterSystems Cache
DB2	DB2 (IBM DB2 Data Provider)
Firebird	Firebird (Firebird .NET Data Provider)
	Firebird (Firebird Client)
Ingres	Ingres
MS SQL Server 2005 or lower	MS SQL Server
MS SQL Server 2005 or higher	MS SQL Server
MySQL 5.0.4 or lower	MySQL (MySQL Connector/Net 1.0)
	MySQL (MySQL Connector/Net 6.1)
MySQL 5.0.5 or higher	MySQL (MySQL Connector/Net 1.0)
	MySQL (MySQL Connector/Net 6.1)
Oracle	Oracle (.NET Framework Data Provider)
	Oracle (Oracle Data Provider for .NET)
PostgreSQL	Postgre (Npgsql)
SQLite	SQLite (SQLite .NET Data Provider)