

# Configuring JDBC Drivers

You can specify the JDBC drivers needed to connect to a database. The driver must be available on your CLASSPATH. If it is not, your database will not be accessible.

1. Choose **Parasoft> Preferences** to open the Preferences panel.
2. Select **Available JDBC Drivers** on the left.
3. Add the required drivers to the classpath.

## Common JDBC Drivers

The following JDBC drivers are commonly used to connect databases.

- [Oracle](#)
- [MySQL](#)
- [Windows System DSN](#)
- [Windows System DSNless](#)
- [SQLServer](#)
- [Sybase](#)
- [DB2](#)
- [Apache Cassandra](#)

### Oracle

<b>Download</b>	<a href="http://www.oracle.com/us/downloads/index.html">http://www.oracle.com/us/downloads/index.html</a>
<b>Driver class</b>	oracle.jdbc.driver.OracleDriver
<b>JDBC URL</b>	jdbc:oracle:thin:@<host>:<port>:<dbName> Example: jdbc:oracle:thin:@bear:1521:mydb

### MySQL

<b>Download</b>	<a href="http://dev.mysql.com/downloads/connector/j/">http://dev.mysql.com/downloads/connector/j/</a>
<b>Driver class</b>	com.mysql.jdbc.Driver
<b>JDBC URL</b>	jdbc:mysql://<host>:<port>/<dbName>

### Windows System DSN

<b>Download</b>	This driver is included with Java (Java 7 only)
<b>Driver class</b>	sun.jdbc.odbc.JdbcOdbcDriver
<b>JDBC URL</b>	jdbc:odbc:DATABASE_NAME Where DATABASE_NAME is the database name from your System DSN settings.

### Windows System DSNless

<b>Download</b>	This driver is included with Java (Java 7 only)
<b>Driver class</b>	sun.jdbc.odbc.JdbcOdbcDriver

<b>JDBC URL</b>	<pre>jdbc:odbc:Driver={Microsoft Access Driver (*.mdb)};DBQ=PATH_TO_MICROSOFT_ACCESS_DATABASE_FILE;</pre> <p>Where <code>PATH_TO_MICROSOFT_ACCESS_DATABASE_FILE</code> is the absolute path to the location where a local database file created in Microsoft Access is stored.</p> <p>For example, if you have a MS Access database file that is named <code>testDB.mdb</code> and saved in the C: drive, you would use the URL <code>jdbc:odbc:Driver={Microsoft Access Driver (*.mdb)};DBQ=C:/testDB.mdb;</code></p>
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## SQLServer

Microsoft's JDBC driver download for SQL Server comes with two jar files—`sqljdbc.jar` and `sqljdbc4.jar`—for two different versions of Java. `sqljdbc4.jar` (the newer one for Java 6 and later) is the one that you need to add to the JDBC driver preferences.

<b>Download</b>	<a href="https://docs.microsoft.com/en-us/sql/connect/jdbc/download-microsoft-jdbc-driver-for-sql-server">https://docs.microsoft.com/en-us/sql/connect/jdbc/download-microsoft-jdbc-driver-for-sql-server</a>
<b>Driver class</b>	<code>com.microsoft.sqlserver.jdbc.SQLServerDriver</code>
<b>JDBC URL</b>	<pre>jdbc:sqlserver://&lt;host&gt;:&lt;port&gt;;DatabaseName=&lt;databaseName&gt;</pre> <p>Older drivers may have different settings.</p>

## Sybase

<b>Download</b>	Downloads are no longer available
<b>Driver class</b>	<code>com.sybase.jdbc2.jdbc.SybConnectionPoolDataSource</code>
<b>JDBC URL</b>	<code>jdbc:sybase:Tds:host:port/dbName</code>

## DB2

<b>Download</b>	<a href="http://www-01.ibm.com/support/docview.wss?uid=swg21363866">http://www-01.ibm.com/support/docview.wss?uid=swg21363866</a> <p>Additional IBM license files may be added. Depending on the target DB2 host, additional IBM <code>db2jcc_license_*.jar</code> license files may be added to the JDBC drivers list. Please refer to DB2 materials for details.</p>
<b>Driver class</b>	<pre>com.ibm.db2.jcc.DB2Driver</pre> <p>Use the universal pure Java driver found under <code>[DB 2 install dir]/java</code></p>
<b>JDBC URL</b>	<code>jdbc:db2://host:port/dbName</code>

## Apache Cassandra

<b>Download</b>	<a href="https://www.progress.com/jdbc/apache-cassandra">https://www.progress.com/jdbc/apache-cassandra</a> <p>See the documentation for additional details:</p> <a href="https://documentation.progress.com/output/DataDirect/jdbccassandrahelp/">https://documentation.progress.com/output/DataDirect/jdbccassandrahelp/</a>
<b>Driver class</b>	<code>com.ddtek.jdbc.cassandra.CassandraDriver</code>
<b>JDBC URL</b>	<code>jdbc:datadirect:cassandra://server:port;KeyspaceName=keyspace</code>