

SequeLink[®] 6.0 Client for JDBC

The following basic information enables you to connect with the SequeLink 6.0 Client for JDBC (the JDBC Client) immediately after installation. For installation instructions, please see the [Sequelink Installation Guide](#). This document assumes that you already installed the SequeLink Server for the database to which you are connecting.

Connecting to a Database

Once the JDBC Client is installed, you can connect from your application to your database in two ways: with the JDBC Driver Manager or with a JNDI data source. The following sections provide the information you need to get started using the JDBC Client with the Driver Manager. For information on using the data sources, please see the [SequeLink Developer's Reference](#).

Environment Setup

Set your CLASSPATH to include the JDBC Client:

```
install_dir/driver/lib/sljc.jar
```

Driver Manager

To establish a database connection using the driver manager, an application must register the class name of the JDBC Client with the driver manager, and then invoke the `DriverManager.getConnection` method supplying a connection URL, optionally specifying a server data source.

The classname and connection URL syntax for the JDBC Client are:

- **SequeLink Driver Classname:** `com.ddtek.jdbc.sequelink.SequeLinkDriver`
- **Connection URL:** `jdbc:sequelink://hostname:port[;key=value...]`
- **SequeLink Server Data Source:** a property that specifies a string to identify the server data source to be used for the connection. If unspecified, the configuration of the default server data source will be used for the connection.

For example, to connect to the default SequeLink Server Data Source on the server named `myHost`, listening on port 19996, you would use the following URL:

```
jdbc:sequelink://myHost:19996
```

See the [SequeLink Developer's Reference](#) for a complete description of the URL syntax and the connection options that can be specified.

Example:

```
// Register the driver with the driver manager
Class.forName("com.ddtek.jdbc.sequelink.SequeLinkDriver");

// Establish the Connection
String url = "jdbc:sequelink://myServer:19996";
Connection con = DriverManager.getConnection(url, "myUID", "myPWD");

// Verify the Connection
DatabaseMetaData metaData = con.getMetaData();
System.out.println("Database Name: " +
metaData.getDatabaseProductName());
System.out.println("Database Version: " +
metaData.getDatabaseProductVersion());
```

Testing the Connection

DataDirect Test(tm) for JDBC is a pure java JDBC testing tool developed by DataDirect Technologies and distributed with SequeLink Client for JDBC. For more information about DataDirect Test for JDBC, see the [SequeLink Developer's Reference](#). Use the following steps to test your connection:

1. Start DataDirect Test by running testforjdbc14.bat or testforjdbc14.sh in the *install_dir/testforjdbc* directory, where *install_dir* is your installation directory.
2. Click **Press Here to Continue**.
3. From the Connection window, select **Connect to DB**.
4. Select the one of the predefined URLs and specify the correct SequeLink host and port, and the correct user ID and password. Click **OK**.
5. A new connection window opens if all of the connection information was entered correctly. If the connection could not be established, an error is displayed in the JDBC/Database Output window.

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