



JSR 169: JDBC Optional Package

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JDBC Optional Package - Overview

The **Java Database Connectivity (JDBC) Optional Package** Extension Library augments the **Foundation/Personal Profile J9 Runtime** by allowing unified Java access to a driver provided by a database vendor. In short, this is a data access API targeted at relational database systems. It maps a traditional call level interface into a set of classes that can access a database resource using Java.

The **JDBC Optional Package** consists of:

- **jdbc.jar** which contains the class files as an extension library for the **Foundation/PPro J9 Runtime**
- **jdbc-src.zip** which contains the source files
- No native methods. This optional package is pure Java only and thus requires a compatible driver from a database vendor.

Supported platform:

- Java™ 2 Micro Edition (J2ME) configurations/profiles which include **Connected Device Configuration** and **Foundation Profile**.

Dependencies:

- The **JDBC Optional Package** is dependent on a configuration/profile which supports CDC 1.0.

Connecting to a Database

Connecting to a database requires:

- The database must have a JSR-169 compatible driver.
- The database driver should have an implementation of the DataSource API.

Example: The application would use code similar to this to connect to the database:

```
DBDriverDataSource ds= new DDBDriverDataSource();
ds.setServerName("aserver");
ds.setPortNumber(1234);
Connection conn =ds.getConnection("userid", "password");
```

where DDBDriverDataSource is the database driver class that implements the DataSource interface in the JSR-169 API.

Further Information

If you need more information or have questions about our implementation of this JSR:

In the United States and Canada, call 1-800-IBM-CALL (1-800-426-2255)

In all other countries, you can submit your questions on the web at:
<http://www.ibm.com/software/pervasive/support/questions.shtml>

You might also find the following websites helpful:

JSR-075 JCP Site - <http://www.jcp.org/en/jsr/detail?id=75>