

Firebirdsql

Connection to Firebird

This document explains the specific aspects of connecting Cocoon to a Firebird database.

For a general explanation on database connections please refer to the [official documentation](#) .

Downloading the jdbc driver

The zip file containing the necessary jar(s) can be downloaded [here](#) .

Unzip the file `firebirdsql-full.jar` which is contained in the zip file you just downloaded either into `$COCOON_HOME/web-inf/lib` or `$TOMCAT_HOME/common/lib/`, depending on whether you want it to be accessible only for Cocoon or for all your Tomcat webapps. If for whatever reason you have to use `firebirdsql.jar` instead, you must add at least `mini-concurrent.jar`, `mini-j2se.jar`, and, if your JDK is pre-1.4, `jaas.jar`. All these files are included in the downloaded zip file as well.

Setting Web.xml

In the `$Cocoon_Home/WEB-INF/` directory you will find the `web.xml` file. Open it and look for these rows:

```
<init-param>
  <param-name>load-class</param-name>
  <param-value>
<!--
  For IBM WebSphere:
    com.ibm.servlet.classloader.Handler -->
```

Here you have to add the following line:

```
<!-- For Firebird: -->
    org.firebirdsql.jdbc.FBDriver
```

Setting cocoon.xconf

Search for:

```
<datasources>
```

Add into this element these lines:

```
<jdbc name="YourPoolName">
  <pool-controller min="5" max="10" />
  <dburl>jdbc:firebirdsql:YourIP/YourPort:/YourPath.gdb</dburl>
  <user>YourUsername</user>
  <password>YourPassword</password>
</jdbc>
```

Setting sitemap.xmap

When you want to use the connection you just call the jdbc name inside the pipeline like this:

```
<map:match pattern="YourPattern">
  <map:generate src="YourSourcePath" />
  <map:transform type="sql">
    <map:parameter name="use-connection" value="YourPoolName" />
  </map:transform>
  <map:transform type="xslt" src="YourXslStylesheetPath" />
  <map:serialize type="YourSerializer" />
</map:match>
```

Of course you have to adapt this sample to fill your need.

[SpecificDatabaseConnection](#)

Comments from the readers: