PervasiveSQL

Connection to postgreSQL

This document explains the specific aspect of connecting Cocoon to a Pervasive SQL Database.

For a general explanation on database connection please refer to the official documentation .

Downloading the jdbc drivers

The jdbc drivers are shipped with the normal Installation Setup. They can be found here: <install-dir>\Bin.

Drop the pvjdbc2.jar file either in $COCOON_HOME/web-inf/lib or $TOMCAT_HOME/common/lib/. I did not need to bother about the pvjdbc2x.jar

Setting Web.xml

In the $Cocoon_Home/WEB-INF/ directory you will find the web.xml file. Open it and look for this 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 Pervasive SQL:    -->
        com.pervasive.jdbc.v2.Driver
```

Setting cocoon.xconf

search for:
<datasources>
add into this element these lines:

```
  <jdbc name="YourPoolName">
    <pool-controller min="5" max="10"/>
    <dburl>jdbc:pervasive://loc:5432/DB_Name</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 in this way:

```
<map:match pattern="sqlquery">
  <map:generate src="sql/sqlquery.xml"/>
  <map:transform type="sql">
    <map:parameter name="use-connection" value="YourPoolName"/>
    <map:parameter name="show-nr-of-rows" value="true" />
    <map:parameter name="clob-encoding" value="UTF-8" />
  </map:transform>
  <map:serialize />
</map:match>
```

Obviously you have to adapt this sample to fill your need.

SpecificDatabaseConnection

Comments

- Thanks for the Template (adopted from the author of "PostgreSQL")

Bugs?!

- I'm getting an XML error when serializing to XML. The result-row-element has twice the same attribute. I'm not sure whether this is due to the driver, but I assume it's due to some other mistake. HTML et al. works fine.