

Oracle XDB Restlet Adapter - Installing

Installing Oracle XDB Adapter

Requirements

- JDK 1.5 (included at your ORACLE_HOME/jdk directory)
- [Ant 1.7.0+](#)¹
- an 11g target database, tested with 11.1.0.6.0+
- By now Oracle Restlet Adapter is only available through *SVN* access or using nightly builds, [checkout SVN source](#)² or download an [snapshot version](#)³.

Installing

First edit into your home directory a file named build.properties with:

```
# Restlet project
# xdb_11.1 specific
sqlnet.string=test
jdbc.username=RESTLET
jdbc.password=RESTLET
jdbc.sysusr=sys
jdbc.sypwd=change_on_install
```

- *sqlnet.string* property is a valid Oracle *SQLNet* connect string to the target database.
- *jdbc.{username/password}* are a valid Oracle user name and password to be created for storing Restlet code. Note that in Oracle 11g user name and password are case sensitive by default, so use always uppercase values to work well with the *.sql* script provided in this installer.
- *jdbc.{sysusr/sypwd}* are a valid Oracle DBA User account used to create above user schema and other related task only performed by user who have DBA role.

Also is necessary a valid *ORACLE_HOME* environment variable defined to a valid Oracle 11g home directory, this variable then is used to locate for example the *SQLPlus* application.

Second create a sub-directory into Restlet *library* directory named *oracle.xdb_11.1*, put into this new directory these Oracle libraries:

```
$ORACLE_HOME/jdbc/lib/ojdbc5.jar
$ORACLE_HOME/rdbms/jlib/xdb.jar
$ORACLE_HOME/lib/xmlparserv2.jar
```

edit a file named *library.xml* into above directory with this content.

```
<library id="xdb">
  <package name="oracle.xdb" />
  <version>11.1</version>
  <release>1</release>
  <distributions>
    <distribution id="classic" />
  </distributions>
  <homeUri>
```

<http://www.oracle.com/technology/tech/xml/xmlldb/index.html>

```
</homeUri>
</library>
```

edit another new file named **build.properties** into above directory with:

```
bin.includes = META-INF/\
              ojdbc5.jar,\
              xdb.jar,\
              xmlparserv2.jar
```

then edit the file **pom.xml** into **modules** directory of Restlet sources addind a new line in section **properties** with:

```
<lib-xdb-version>11.1.1</lib-xdb-version>
```

To compile Restlet sources and generate all Maven artifacts and Restlet libraries go to **build** directory and execute **ant** without arguments.

Finally go the directory:

```
# cd build/temp/jee/dist/classic/restlet-jee-2.0snapshot/src/org.restlet.ext.xdb_11.1.1/resources
```

and execute **Ant** without argument:

```
# ant
```

To start using XDB Adapter **ant** without arguments is the only target required in a fresh database install. Other targets are provided during development stage, for example if you update the adapter code only the target **load-server-side-runtime** is required to re-install it.

Enabling your XMLDB HTTP support

Oracle databases do not enable by default XMLDB HTTP repository access. To enable it using SQLPlus connected as SYSDBA execute:

```
SQL> exec dbms_xdb.sethttpport(8080);
```

Restart your database and test with a browser or any WebDAV enable file manager a connection to <http://localhost:8080/>

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5. daisy:84-restlet (Oracle XDB Restlet Adapter)