Oracle-Spatial Plugin

Module Maintainer:	Marc Risney
Status:	⭐⭐⭐
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Plug-in:	DataStoreFactorySPI

Recent Development

For the 2.2.x branch the Oracle module has:

- Fixed several issues with the SDO utility class
- Started using the SDO Utility class for FeatureSource opperations, this work will be completed for the 2.2.x release

There are also several warnings that must be made:

- you need to download a driver from oracle directly, we have not obtained rights to distribute their jdbc driver
- the createSchema method does not yet work
- the SRID mapping to CRS works for our test server, but I have no idea what you need to do to set it up for yourself
- the use of the oracle metadata to optimize opperations such as getBounds has only just begun

In short if you are a volunteer, we would love your help.

IP Review

- http://svn.geotools.org/geotools/trunk/gt/modules/unsupported/oracle-spatial/review.txt

Outstanding Issues

The module maintainer will take care of assigning these issues to developers:

Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

Remember that the module maintainer is a volunteer, and if you do have access to oracle please jump on the developers list and help out. Patches may be attached to the above issues for review by the module maintainer.

Although not the responsibility of the geotools module maintainer additional or related issues may be found in the following list:

Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.
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Module Status

The Oracle Module is undergoing some review. As many are aware the JDBC DataStore is suffering under its own popularity, and is feeling the strain of subclassing. As an example there are three seperate ways of optimizing interaction if you are a subclass of JDBCDataStore, and no documentation or guide on how this is done.

This module is however important, and several developers are being paid to improve it.

Marc also wishes to make more use of the sdoapi.jar, as opposed to the utility SDO class, so that we do not have to maintain our own mappings. We initially moved away from this jar due to oracle threatening to stop supporting the jar. We also had severe accurace issues taking an Oracle SDO Geomery and converting it to WKT to an JTS Geometry. Personally I am looking forward to the new FM where we should be able to let people work against the Geometry model of their choice.

None of these improvements will effect the API, although we may make a topology mapping available to the graph module.