

Application: gvSIG desktop - gvSIG bugs #4541

Errores accediendo a tablas de SpatialLite.

07/16/2017 09:02 PM - Joaquín del Cerro Murciano

Status:	Closed	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:	Joaquín del Cerro Murciano		
Category:	Database		
Target version:	2.4.0-2829 (rev. org.gvsig.desktop-2.0.195)		
Severity:	Minor	Add-on version:	
gvSIG version:	2.4.0	Add-on build:	
gvSIG build:	2827	Add-on resolve version:	
Operative System:	Linux	Add-on resolve build:	
Keywords:		Proyecto:	
Has patch:		Hito:	
Add-on name:	Unknown		

Description

Al cargar capas de SpatialLite (he probado con distintas capas, cargando una, o hasta cinco a la vez) de repente da un error y deja de poder acceder a la BBDD.

En el log aparece un error algo como:

```
DEBUG 47504 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialLiteHelper - closeConnection: connection = 1555878508
DEBUG 47506 AWT-EventQueue-0 org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation - preparing
execution of CalculateEnvelopeOfColumnOperation.
DEBUG 47507 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialLiteHelper$ConnectionProvider - getConnectionWritable.
count 65, url jdbc:spatialite:/home/jjdelcerro/datos/geodata/db/sqlite/test
DEBUG 47511 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialLiteHelper - getConnection: connection = 932908367
DEBUG 47511 AWT-EventQueue-0 org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation - Excuting
operation CalculateEnvelopeOfColumnOperation.
DEBUG 47512 AWT-EventQueue-0 org.gvsig.fmap.dal.store.jdbc2.JDBCUtils - execute query SQL: SELECT
ST_AsBinary(Extent("geometry")) FROM "country"
DEBUG 47513 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialLiteHelper - closeConnection: connection = 932908367
WARN 47516 AWT-EventQueue-0 org.gvsig.geodb.vectorialdb.wizard.WizardVectorialDB - Can't create layer 'country'.
java.lang.RuntimeException: Can't calculate envelope.
    at org.gvsig.fmap.dal.store.jdbc2.spi.JDBCStoreProviderBase$EnvelopeValue.calculate(JDBCStoreProviderBase.java:127)
    at org.gvsig.fmap.dal.store.jdbc2.spi.JDBCStoreProviderBase$EnvelopeValue.get(JDBCStoreProviderBase.java:142)
    at org.gvsig.fmap.dal.store.jdbc2.spi.JDBCStoreProviderBase$EnvelopeValue.get(JDBCStoreProviderBase.java:94)
    at org.gvsig.fmap.dal.store.jdbc2.spi.JDBCStoreProviderBase.getEnvelope(JDBCStoreProviderBase.java:455)
    at org.gvsig.fmap.dal.feature.impl.DefaultFeatureStore.getEnvelope(DefaultFeatureStore.java:471)
    at org.gvsig.fmap.mapcontext.layers.vectorial.FLyrVect.getFullEnvelope(FLyrVect.java:218)
    at org.gvsig.geodb.vectorialdb.wizard.WizardVectorialDB.execute(WizardVectorialDB.java:200)
    at org.gvsig.app.extension.AddLayer.doAddLayers(AddLayer.java:322)
    at org.gvsig.app.extension.AddLayer.execute(AddLayer.java:226)
    at org.gvsig.app.extension.AddLayer.execute(AddLayer.java:144)
    at org.gvsig.andami.actioninfo.impl.DefaultActionInfo.execute(DefaultActionInfo.java:307)
    at org.gvsig.andami.ui.mdiFrame.MDIFrame.actionPerformed(MDIFrame.java:993)
    at javax.swing.AbstractButton.fireActionPerformed(AbstractButton.java:2022)
    at javax.swing.AbstractButton$Handler.actionPerformed(AbstractButton.java:2348)
    at javax.swing.DefaultButtonModel.fireActionPerformed(DefaultButtonModel.java:402)
    at javax.swing.DefaultButtonModel.setPressed(DefaultButtonModel.java:259)
    at javax.swing.plaf.basic.BasicButtonListener.mouseReleased(BasicButtonListener.java:252)
```

```
at java.awt.AWTEventMulticaster.mouseReleased(AWTEventMulticaster.java:289)
at java.awt.AWTEventMulticaster.mouseReleased(AWTEventMulticaster.java:289)
at java.awt.Component.processMouseEvent(Component.java:6533)
at javax.swing.JComponent.processMouseEvent(JComponent.java:3324)
at java.awt.Component.processEvent(Component.java:6298)
at java.awt.Container.processEvent(Container.java:2236)
at java.awt.Component.dispatchEventImpl(Component.java:4889)
at java.awt.Container.dispatchEventImpl(Container.java:2294)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.LightweightDispatcher.retargetMouseEvent(Container.java:4888)
at java.awt.LightweightDispatcher.processMouseEvent(Container.java:4525)
at java.awt.LightweightDispatcher.dispatchEvent(Container.java:4466)
at java.awt.Container.dispatchEventImpl(Container.java:2280)
at java.awt.Window.dispatchEventImpl(Window.java:2746)
at java.awt.Component.dispatchEvent(Component.java:4711)
at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:758)
at java.awt.EventQueue.access$500(EventQueue.java:97)
at java.awt.EventQueue$3.run(EventQueue.java:709)
at java.awt.EventQueue$3.run(EventQueue.java:703)
at java.security.AccessController.doPrivileged(Native Method)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:76)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:86)
at java.awt.EventQueue$4.run(EventQueue.java:731)
at java.awt.EventQueue$4.run(EventQueue.java:729)
at java.security.AccessController.doPrivileged(Native Method)
at java.security.ProtectionDomain$JavaSecurityAccessImpl.doIntersectionPrivilege(ProtectionDomain.java:76)
at java.awt.EventQueue.dispatchEvent(EventQueue.java:728)
at org.gvsig.andami.ui.AndamiEventQueue.dispatchEvent(AndamiEventQueue.java:50)
at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:201)
at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:116)
at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:105)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:101)
at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:93)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:82)
```

Caused by: java.lang.RuntimeException: Can't perform operation 'CalculateEnvelopeOfColumnOperation'.

at

```
org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation.perform_operation(AbstractConnectionOperation.java:77)
va:77)
```

at

```
org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation.perform(AbstractConnectionOperation.java:41)
at org.gvsig.fmap.dal.store.jdbc2.spi.JDBCStoreProviderBase$EnvelopeValue.calculate(JDBCStoreProviderBase.java:124)
... 50 more
```

Caused by: org.gvsig.fmap.dal.store.jdbc.exception.JDBCSQLException: An JDBC driver exception was throw

at

```
org.gvsig.fmap.dal.store.jdbc2.spi.operations.CalculateEnvelopeOfColumnOperation.calculateEnvelopeOfColumn(CalculateEnvelopeOfColumnOperation.java:147)
```

at

```
org.gvsig.fmap.dal.store.jdbc2.spi.operations.CalculateEnvelopeOfColumnOperation.perform(CalculateEnvelopeOfColumnOperation.java:52)
```

at

```
org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation.perform_operation(AbstractConnectionOperation.java:70)
va:70)
```

... 52 more

```
Caused by: java.sql.SQLException: [SQLITE_ERROR] SQL error or missing database (no such function: Extent)
  at org.spatialite.core.DB.newSQLException(DB.java:892)
  at org.spatialite.core.DB.newSQLException(DB.java:903)
  at org.spatialite.core.DB.throwex(DB.java:870)
  at org.spatialite.core.NativeDB.prepare(Native Method)
  at org.spatialite.core.DB.prepare(DB.java:213)
  at org.spatialite.jdbc3.JDBC3Statement.executeQuery(JDBC3Statement.java:81)
  at org.gvsig.fmap.dal.store.jdbc2.JDBCUtils.executeQuery(JDBCUtils.java:27)
  at
org.gvsig.fmap.dal.store.jdbc2.spi.operations.CalculateEnvelopeOfColumnOperation.calculateEnvelopeOfColumn(CalculateEnvelopeOfColumnOperation.java:136)
... 54 more
```

Este error me ha tenido muy despistado; hasta que he visto la consola. Allí salen mas mensajes:

```
DEBUG 112818 [MapControl Drawer Worker] (SpatialLiteHelper.java:161) - closeConnection: connection = 1247377721
DEBUG 112819 [MapControl Drawer Worker] (ResultSetControlerBase.java:116) - Close ResultSetEntryBase id 1 (total 0)
DEBUG 115580 [MapControl Drawer Worker] (SpatialLiteHelper.java:90) - getConnectionWritable. count 65, url
jdbc:spatialite:/home/jjdelcerro/datos/geodata/db/sqlite/test
ERROR: Too many connections: max 64
ERROR unable to initialize the SpatialLite extension: NULL cache !!!
DEBUG 115586 [MapControl Drawer Worker] (SpatialLiteHelper.java:152) - getConnection: connection = 758262837
WARN 115587 [MapControl Drawer Worker] (MapControl.java:1356) - Problems drawing mapcontext.
org.gvsig.fmap.dal.exception.ReadException: There was errors loading from 'country'.
  at org.gvsig.fmap.mapcontext.layers.vectorial.FLyrVect.draw(FLyrVect.java:346)
  at org.gvsig.fmap.mapcontext.impl.DefaultMapContextDrawer$DrawList.drawLayer(DefaultMapContextDrawer.java:549)
  at org.gvsig.fmap.mapcontext.impl.DefaultMapContextDrawer$DrawList.draw(DefaultMapContextDrawer.java:530)
  at org.gvsig.fmap.mapcontext.impl.DefaultMapContextDrawer$DrawList.drawLayers(DefaultMapContextDrawer.java:469)
  at org.gvsig.fmap.mapcontext.impl.DefaultMapContextDrawer.draw(DefaultMapContextDrawer.java:147)
  at org.gvsig.fmap.mapcontext.MapContext.draw(MapContext.java:1183)
  at org.gvsig.fmap.mapcontrol.MapControl$PaintingRequest.paint(MapControl.java:1344)
  at org.gvsig.fmap.mapcontrol.MapControl$Drawer$Worker.run(MapControl.java:1564)
  at java.lang.Thread.run(Thread.java:745)
Caused by: org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.LegendDrawingException: Problems drawing layer
  at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.internalDraw(AbstractVectorialLegend.java:472)
)
  at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.draw(AbstractVectorialLegend.java:358)
  at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.draw(AbstractVectorialLegend.java:144)
  at org.gvsig.fmap.mapcontext.layers.vectorial.FLyrVect.draw(FLyrVect.java:330)
... 8 more
Caused by: java.lang.RuntimeException: Can't perform operation 'ResultSetForSetProviderOperation'.
  at org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation.perform(AbstractConnectionOperation.java:45)
  at org.gvsig.fmap.dal.store.jdbc2.impl.JDBCSetProvider.createFastIterator(JDBCSetProvider.java:320)
  at org.gvsig.fmap.dal.store.jdbc2.impl.JDBCSetProvider.createFastIterator(JDBCSetProvider.java:291)
  at org.gvsig.fmap.dal.store.jdbc2.impl.JDBCSetProvider.createFastIterator(JDBCSetProvider.java:56)
  at org.gvsig.fmap.dal.feature.spi.AbstractFeatureSetProvider.fastIterator(AbstractFeatureSetProvider.java:99)
  at org.gvsig.fmap.dal.feature.spi.AbstractFeatureSetProvider.fastIterator(AbstractFeatureSetProvider.java:94)
  at org.gvsig.fmap.dal.feature.impl.featureset.FastDefaultIterator.<init>(FastDefaultIterator.java:52)
```

```

at org.gvsig.fmap.dal.feature.impl.featureset.DefaultFeatureSet.fastIterator(DefaultFeatureSet.java:343)
at org.gvsig.fmap.dal.feature.impl.featureset.AbstractFeatureSet.doAccept(AbstractFeatureSet.java:72)
at org.gvsig.fmap.dal.feature.impl.featureset.AbstractFeatureSet.doAccept(AbstractFeatureSet.java:67)
at org.gvsig.tools.visitor.impl.AbstractIndexedVisitable.doAccept(AbstractIndexedVisitable.java:63)
at org.gvsig.tools.visitor.impl.AbstractVisitable.accept(AbstractVisitable.java:49)
at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.drawFeaturesSingleLayer(AbstractVectorialLegend.java:560)
at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.drawFeatures(AbstractVectorialLegend.java:542)
at
org.gvsig.symbology.fmap.mapcontext.rendering.legend.impl.AbstractVectorialLegend.internalDraw(AbstractVectorialLegend.java:464)
... 11 more
Caused by: org.gvsig.fmap.dal.store.jdbc.exception.JDBCExecutePreparedStatementException: An JDBC exception was throw when
execute SQL: 'SELECT ST_AsBinary("geometry"), "pk" FROM "country" WHERE
ST_Intersects((ST_GeomFromWKB((x'00000000030000000100000005c065d269349a4d24c06592bc1b2d96cc40672d96cb65b2dcc06592bc1b2d96cc40672d96cb65b2dc405df695d0a85428c065d269349a4d24405df695d0a85428c065d269349a4d24c06592bc1b2d96cc'), (4326)), ("geometry"))) ORDER BY "pk" ASC' with params {unknow}
at org.gvsig.fmap.dal.store.jdbc2.impl.ResultSetControlerBase.create(ResultSetControlerBase.java:198)
at org.gvsig.fmap.dal.store.jdbc2.impl.ResultSetControlerBase.create(ResultSetControlerBase.java:163)
at org.gvsig.fmap.dal.store.jdbc2.impl.ResultSetControlerBase.create(ResultSetControlerBase.java:21)
at
org.gvsig.fmap.dal.store.jdbc2.spi.operations.ResultSetForSetProviderOperation.createResultSet(ResultSetForSetProviderOperation.java:189)
at
org.gvsig.fmap.dal.store.jdbc2.spi.operations.ResultSetForSetProviderOperation.perform_operation(ResultSetForSetProviderOperation.java:67)
at org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation.perform(AbstractConnectionOperation.java:41)
... 25 more
Caused by: java.sql.SQLException: [SQLITE_ERROR] SQL error or missing database (no such function: ST_AsBinary)
at org.spatialite.core.DB.newSQLException(DB.java:892)
at org.spatialite.core.DB.newSQLException(DB.java:903)

```

En principio parece que no se cierran las conexiones con la BBDD pero si que se esta haciendo un close

```

DEBUG 47511 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialiteHelper - getConnection: connection = 932908367
DEBUG 47511 AWT-EventQueue-0 org.gvsig.fmap.dal.store.jdbc2.spi.operations.AbstractConnectionOperation - Excuting operation
CalculateEnvelopeOfColumnOperation.
DEBUG 47512 AWT-EventQueue-0 org.gvsig.fmap.dal.store.jdbc2.JDBCUtils - execute query SQL: SELECT
ST_AsBinary(Extent("geometry")) FROM "country"
DEBUG 47513 AWT-EventQueue-0 org.gvsig.spatialite.dal.SpatialiteHelper - closeConnection: connection = 932908367

```

el metodo closeConnection tiene el codigo:

```

public void closeConnection(Connection connection) {
    logger.debug("closeConnection: connection = "+connection.hashCode());
    try {
        connection.close();
    }
}

```

```
} catch (SQLException ex) {  
    logger.warn("Can't close connection.",ex);  
}  
}
```

Por lo que parece que si que se cierran las conexiones.

Ahora mismo no se por donde cogerlo. Habra que seguir investigando.

Associated revisions

Revision 43377 - 07/18/2017 02:25 PM - Joaquín del Cerro Murciano

refs #4539, #4540, #4541, #4272, #4453, Corregidos varios errores en la carga de capas de BBDD (postgresql, spatialite, h2spatial) y en la exportacion a estos.

History

#1 - 07/18/2017 11:08 AM - Joaquín del Cerro Murciano

- Target version changed from 2.4.0-2850-final (rev. org.gvsig.desktop-2.0.220) to 2.4.0-2829 (rev. org.gvsig.desktop-2.0.195)
- Status changed from New to Fixed

No tengo muy claro que de todo lo que he tocado lo ha arreglado.

He hecho muchas pruebas y reescrito codigo muchas veces.

El cambio mas significativo ha sido:

- Activar la cache compartida al abrir la conexion con SpatialLite.
Habia documetacion diciendo que deberia hacerse, pero no lo habia hecho por que no habia visto como hacerlo.
- Sustituir el obtener la conexion directamente por usar el pool de conexiones de apache commons.

Sospecho que la conjuncion de estas dos cosas es lo que ha causado que acabe funcionando.

#2 - 08/08/2017 10:33 AM - Álvaro Anguix

- Status changed from Fixed to Closed