QGIS Application - Bug report #4549
Spatialite and Shapefile new layer dialog: CRS selection non standard (also elsewhere)

2011-11-17 10:07 AM - Paolo Cavallini

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	GUI		
Affected QGIS version:	master	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	fixed
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	14463

Description

The dialog for creating a new SpatiaLite layer is quite different from the standard QGIS stuff: selecting a CRS does not open the projection widget, and wrong labels are used.
Shapefile new layer shows the proj4 syntax instead of the authority, code and name, as it happens in the layer properties.
Easy to fix, and nice for the user.

Associated revisions

Revision 270655dc - 2011-12-22 05:24 PM - Alexander Bruy

[BACKPORT] use native projection selector in New SpatiaLite layer
dialog (completely fix #4549)

Revision c1eea906 - 2011-12-22 06:08 PM - Alexander Bruy

[BACKPORT] use native projection selector in New SpatiaLite layer
dialog (completely fix #4549)

History

#1 - 2011-12-15 08:35 AM - Alexander Bruy

See also #4584

#2 - 2011-12-15 08:37 AM - Alexander Bruy

Maybe, I'm wrong. I think New SpatiaLite layer dialog uses non-standard CRS selector because each SpatiaLite db has it's own spatial-ref-sys table with all available CRSes. And some CRS available in QGIS can be missed in this table.

#3 - 2011-12-15 09:23 AM - Paolo Cavallini

NOt that I know of:it should be the standard EPSG db; oh, well, in QGIS we also have IGN: so better asking SL devs to add 'our' proj; it is straightforward

#4 - 2011-12-16 02:09 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#5 - 2011-12-17 02:44 AM - Alexander Bruy

I asked Sandro about used crs'es used in SpatiaLite. Here is his answer

> *>2. is it safe (and possible) to use native QGIS crs database for SpatiaLite layers?*
> *I suppose that generally speaking both crs datasets are one and the same, because both them are mainly PROJ.4 derivatives. Anyway, some small difference may exist here and there. BTW I suppose that the same identical problem will affect PostGIS, and possibly any other Spatial DBMS. All them internally use their own spatial_ref_sys table; and this one could be not exactly conformat to QGIS own expectations. Which solution QGIS adopts for PostGIS ? I suppose that the same should be applied for SpatiaLite as well, thus implementing a consistent user interface for both DBMSes.*

From programmatic point of view it is possible to replace custom dialog with QGIS projection selector. But what about possible differences in CRS definitions? We can't guarantee that they are the same. If this is acceptable I can try to implement projection selector in New SL Layer dialog.

Also I look at the SPIT plugin and found that it uses another (third) approach -— EPSG code selected with spinbox.

#6 - 2011-12-17 03:39 AM - Paolo Cavallini

Why can't we share all the same list? Having multiple, slightly different, lists seems an unnecessary complication. I think Sandro Furieri (esseffe) should be added to this discussion, but I can't find him on the list. As for SPIT, I think it should be deprecated as soon as DB Manager reaches master.

#7 - 2011-12-17 03:50 AM - Giovanni Manghi

Paolo Cavallini wrote:

> *Why can't we share all the same list? Having multiple, slightly different, lists seems an unnecessary complication. I think Sandro Furieri (esseffe) should be added to this discussion, but I can't find him on the list. As for SPIT, I think it should be deprecated as soon as DB Manager reaches master.*

There are users that are registered in this very same Redmine instance (you can see them in the admin panel), but do not show when filing tickets: example sandro furieri (esseffe) and Marco Bernasocchi. I believe I already wrote something about this issue.

#8 - 2011-12-22 06:16 AM - Alexander Bruy

Inconsistency in New Shapefile dialog already fixed in commit:bde042705a

#9 - 2011-12-22 06:54 AM - Sandro Santilli

Backport in 1.7 branch is commit:8b77d31df77db7ff69dc7b4fde0f3375b0dbf4ca, anything left to do here ?

#10 - 2011-12-22 08:33 AM - Alexander Bruy

- Status changed from Open to Closed
- Affected QGIS version set to master
- % Done changed from 0 to 100

Applied in changeset commit:"270655dc55341d84aeca921cabafe2b4210a64ec".

#11 - 2011-12-22 09:19 AM - Alexander Bruy

- Crashes QGIS or corrupts data set to No

Also backported to 1.7 and 1.8

#12 - 2011-12-23 02:18 AM - Paolo Cavallini

- Subject changed from Spatialite and Shapefile new layer dialog: CRS selection non standard to Spatialite and Shapefile new layer dialog: CRS selection non standard (also elsewhere)
- Status changed from Closed to Open

Same also in other dialogs, e.g. Vector>Define current projection>Input spatial reference system and below

#13 - 2011-12-23 09:17 AM - Alexander Bruy

- % Done changed from 100 to 50

fTools part fixed in commit:8936f4cb3f and commit:42a09af84b and backported

#14 - 2011-12-23 09:22 AM - Sandro Santilli

Alex: which commit belongs to which branch ? I dont' think it is possible to tell a backported commit from an original commit by only looking at the repository (I'll be happy to be contraddicted)

#15 - 2011-12-23 11:26 AM - Alexander Bruy

For 1.7 commits are commit:818ba26f72, commit:fd2a80db33.
For 1.8 commits are commit:43f6651b6b, commit:8f97a2864a.

I think we can close this tickets because there is also almost the same #4584.

#16 - 2011-12-24 12:13 AM - Paolo Cavallini

- Status changed from Open to Closed
- Resolution set to fixed