QGIS Application - Feature request #1473
3dz/3dm/4d support

2009-01-02 08:14 AM - Jürgen Fischer

Status:	Closed		
Priority:	Low		
Assignee:	Jürgen Fischer		
Category:	Vectors		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	11533

Description
attached a patch that add 3dz/3dz/4d vector support to core and the postgres provider.

Related issues:		
Related to QGIS Application - Bug report # 12310: Inconsistent handling of 3D...	**Closed**	2015-03-04

History

#1 - 2009-01-03 02:40 AM - Martin Dobias

Hi Juergen, I've took a brief look on your patch - I see there's quite big amount of work in it! :)

From the technical side, may I suggest you to leave [[QgsPoint]] as class for 3D points (X,Y,Z) and derive [[QgsPointM]] class from it which would operate also with M coordinates? I have the impression that these 'measure' dimension is used so rarely that it would cause unnecessary memory overhead in usual case.

Martin

#2 - 2009-01-19 10:11 AM - Paolo Cavallini

Would this be the right time to apply this patch to svn?

#3 - 2009-01-19 03:01 PM - Jürgen Fischer

I was about to update the patch - but it has grown to large to attach.
I uploaded it to http://buten.norbit.de/~jef/2d+.diff.

The patch now contains rewritten WKB parsing and creation code and uses QVector instead of QList to keep points. It reduces the need for reallocations and copying of memory.

#4 - 2009-01-31 08:53 AM - Jürgen Fischer

Replying to [comment:4 jef]:

> *I uploaded it to http://buten.norbit.de/~jef/2d+.diff.*

updated the patch to commit:ddd7c8b0 (SVN r10067)

#5 - 2009-07-11 04:36 AM - Giovanni Manghi

If the patch has been applied can I close this?

#6 - 2009-07-18 02:32 AM - Giovanni Manghi

- Resolution set to fixed

- Status changed from Open to Closed

The patch should have been applied, so I'm closing this ticket. Reopen if necessary.

#7 - 2009-07-18 02:34 AM - Jürgen Fischer

- Resolution deleted (fixed)

- Status changed from Closed to Feedback

this patch has not been applied.

#8 - 2009-07-18 02:36 AM - Jürgen Fischer

Replying to [comment:9 jef]:

> *this patch has not been applied.*

I've no application for 2d+ data - and therefore this hasn't been tested enough to be applied.

#9 - 2009-07-18 03:24 AM - Giovanni Manghi

Replying to [comment:10 jef]:

> *Replying to [comment:9 jef]:*
>
> > *this patch has not been applied.*
>
> *I've no application for 2d+ data - and therefore this hasn't been tested enough to be applied.*

Hi Jürgen,

thanks for the feedback. Is this on the developers agenda for the next future?

#10 - 2010-05-11 01:10 PM - bitner -

I am happy to provide either testing or sample datasets for this feature if it gets pulled back up. This is very important for anyone who needs to carry through Z and M data even if they are not using it in all situations.

#11 - 2010-06-11 09:54 PM - Paolo Cavallini

bitner (or others), please provide sample data for testing and eventually apply the patch

#12 - 2011-01-06 11:50 AM - bitner -

Replying to [comment:13 pcav]:

> *bitner (or others), please provide sample data for testing and eventually apply the patch*

Just now saw this.... Attaching a shapefile that has Z and M Coordinates. (shp2pgsql will bring it in with Z and M dimensions intact -- OGR will drop them)

#13 - 2011-07-05 11:59 AM - Sandro Santilli

Note that as of postgis 2.0 (current postgis trunk) chances are you won't even *see* columns containing geometries with 3dZ, 3dM or 4d coordinates. Didn't really test but there's been changes in the geometry_columns.type field...

#14 - 2011-09-20 07:56 PM - Alister Hood
- Pull Request or Patch supplied set to No

This seems like a feature that would be good to have in QGIS 2.0
A lot of the existing patch fails to apply to the current code. I presume someone would need to work through it all manually - you haven't got a local branch in sync with the current trunk or anything, have you Jürgen?

#15 - 2011-12-16 01:58 PM - Giovanni Manghi
- Target version changed from Version 1.7.0 to Version 1.7.4

#16 - 2011-12-16 04:03 PM - Jürgen Fischer
- Target version changed from Version 1.7.4 to Version 2.0.0

#17 - 2012-10-06 02:34 AM - Pirmin Kalberer
- Target version changed from Version 2.0.0 to Future Release - Nice to have

#18 - 2014-06-23 11:19 PM - Jürgen Fischer
- Status changed from Feedback to Open

#19 - 2015-03-04 03:03 AM - Jürgen Fischer

wkb parsing part "merged" in commit:6bbd17c217e405db9ccfae629b0cc86ff28ca05b

#20 - 2015-10-22 12:47 AM - Jürgen Fischer
- Status changed from Open to Closed

superceded by new geometry classes.

Files

sampletracks.tar.gz	24 KB	2011-01-06	bitner -