

## QGIS Application - Feature request #3414

### Add Coordinate Reference System to memory provider and delim text provider uri

2011-01-16 05:41 PM - Chris Crook

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> Gary Sherman	
<b>Category:</b> Data Provider	
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 13474
<b>Description</b>	
<p>This patch adds the ability to specify the coordinate reference system in the datasourceUri for memory and delimited text providers.</p> <p>The main intention in this is to allow plugins to create these providers with the CRS predefined, so that regardless of the QGIS default providers settings the layer can be created without displaying a reference system dialogue to the user.</p> <p>Other changes made as part of this:</p> <ul style="list-style-type: none"><li>[[QgsCoordinateReferenceSystem]] string constructor has been generalised to allow strings such as "epsg:1234" as alternative to WKT</li><li>[[QgsMemoryProvider]] datasourceUri can also specify spatial indexing and attributes</li><li>[[QgsMemoryProvider]] and [[QgsDelimitedTextProviders]] uri's are encoded and decoded using QUrl rather than building as QString, to ensure reliable encoding of special characters</li><li>[[QgsDelimitedTextProvider]] UI tidied up to correctly remember delimiter settings in QSettings</li></ul>	

#### History

##### #1 - 2011-01-17 10:43 AM - Chris Crook

Hold fire on this ...

Found a few issues so will put up a revised patch shortly :-)

##### #2 - 2011-01-17 11:52 AM - Chris Crook

Should be good to go now...

##### #3 - 2011-01-17 12:58 PM - Chris Crook

And forgot to update the SIP file for [[QgsCoordinateReferenceSystem]]. Now included too...

##### #4 - 2011-01-24 11:27 AM - Chris Crook

Fixed bug in patch - mSkipLines was not being initialized, resulting in arbitrary behaviour when not defined in URI.

##### #5 - 2011-01-24 05:16 PM - Chris Crook

Found and fixed another bug in delimited text provider. Not related directly to this change, but expedient to include with this. Bug causes to QGIS to crash when reading empty wkt strings. Crash caused in nextFeature where it will attempt to check extents of a null geometry feature.

**#6 - 2011-01-24 09:51 PM - Gary Sherman**

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

Patch applied in commit:dfb0602f (SVN r15075) - thanks!

**Files**

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crs_in_providers.diff	23.9 KB	2011-01-24	Chris Crook
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