

QGIS Application - Feature request #9639

Keep CRS when saving DXF files

2014-02-24 11:49 AM - Novarese

Status: Closed	
Priority: Normal	
Assignee:	
Category: DXF export	
Pull Request or Patch supplied:	Resolution:
Easy fix?: No	Copied to github as #: 18211
Description	
Qgis 2.2.0 by Osgeo, under Win7_x64	
If you save something as DXF (setting any output CRS) and you load the .DXF file back in an empty project, the CRS is not kept.	

History

#1 - 2014-03-01 04:05 AM - Giovanni Manghi

- Category set to Vectors
- Status changed from Open to Feedback
- Target version set to Version 2.4

as far as I know the DXF format does not store any info about the CRS/SRID.

#2 - 2014-03-01 08:27 AM - Jürgen Fischer

- Target version changed from Version 2.4 to Future Release - High Priority

#3 - 2014-03-06 04:19 AM - Novarese

_Giovanni Manghi wrote:

| as far as I know the DXF format does not store any info about the CRS/SRID._

@ Giovanni

Fortunatamente lo conserva:

http://novarese.t15.org/gfoss/elba_32632.zip

Se apri questo DXF nel Blocco Note e cerchi la stringa "UTM", esso è pienamente georiferito: come controprova, caricalo nella trial di Autocad Map, poi dai il comando _ADESETCRDSYS...

Il problema è che Qgis non ingloba alcun SR nei DXF, nonostante richieda di specificarlo durante il salvataggio...

@ rest of the world

Luckily it stores it:

http://novarese.t15.org/gfoss/elba_32632.zip

If you open up this DXF in Notepad and look for "UTM" string, it's fully georeferenced: as countercheck, load it in the Acadmap trial, then type the _ADESETCRDSYS command...

The issue is that Qgis does NOT embed any CRS within DXFs, even if it needs to specify it upon "saving as"...

#4 - 2014-03-06 05:47 AM - Jürgen Fischer

Novarese wrote:

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The issue is that Qgis does NOT embed any CRS within DXFs, even if it needs to specify it upon "saving as"...

Well, applications (like Map) may save all kinds of data in custom dictionaries. The [DXF spec](#) doesn't mention ADE_PROJECTION. Do you know any spec that could help with mapping ADE_PROJECTION codes to EPSG codes and vice versa?

#5 - 2014-10-11 07:12 AM - Giovanni Manghi

- Tracker changed from Bug report to Feature request
- Subject changed from Saved DXF doesn't keep the CRS to Keep CRS when saving DXF files
- Category changed from Vectors to DXF export
- Status changed from Feedback to Open
- Target version changed from Future Release - High Priority to Future Release - Nice to have

#6 - 2014-10-12 08:05 AM - Jürgen Fischer

- Status changed from Open to Closed

closing for the lack of feedback