

QGIS Application - Bug report #14804

Freeze of QGIS by using a qml file

2016-05-11 12:15 PM - Richard Duivenvoorde

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Unknown	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 22761
Description		
<p>Using the roads shapefile from: http://download.geofabrik.de/europe.html</p> <p>For example a small one: andorra</p> <p>And a qml file from: https://github.com/charleyglynn/OSM-Shapefile-QGIS-stylesheets/tree/master/QML%20files</p> <p>Some time ago I was able to style the roads.shp</p> <p>Now, QGIS freaks out (with me here on Debian, both master and 2.14) and freezes</p> <p>Attached file contains both roads.shp as roads.qml so just opening this one would show my issue.</p> <p>cpu-level rises, I see a lot of strange (grey) drawing artefacts and QGIS freezes..</p>		

History

#1 - 2016-05-11 04:22 PM - Nyal Dawson

- Status changed from Open to Feedback

Richard

I think the issue is that the styles in that qml all use Map Units as sizes, but your shapefile is in lat/long so the map units are degrees. This means that you are drawing lines with a width of 2 degrees - that's huge! It results in all kinds of rendering artefacts and slowdowns like you're seeing here.

If you reproject the shapefile into a meters based CRS then things work as expected.

#2 - 2016-05-11 11:08 PM - Richard Duivenvoorde

- Status changed from Feedback to Closed

Nyal, thanks for checking!

Ah, clear. Yes could have known/find that myself :-(

Anyway, should/could we check for this kind of anomalies?

Are there being done other checks when a qml (or other xml file) are loaded?

I can think of:

- are resources/symbols that are mentioned available

- is the xml valid (though we do not have schema's :-))
- etc

I think it is safe to say that if a qml contains rules with map units and data is degrees it almost always will fail?

Maybe a more generic 'is it safe to try to load this file' piece of code?

Anyway, I'll close this one for now I think? I'll sent an email to the dev list, to check if there is a need for this.

#3 - 2017-09-22 10:05 AM - Jürgen Fischer
- Category set to Unknown

Files			
roads.zip	514 KB	2016-05-11	Richard Duivenvoorde