QGIS Application - Bug report #5795
Export as SLD generates non valid SLD

2012-06-13 03:02 PM - Jorge Rocha

Status:	Closed			
Priority:	Normal			
Assignee:	Giuseppe Sucameli			
Category:	Symbology			
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 #:**	15286

Description

Hi,

1) Open new point layer

2) Change symbology from Simple marker to svg marker.

3) Save style as SLD

The SLD written is not valid.

xmlstarlet val -e -s http://schemas.opengis.net/sld/1.1.0/StyledLayerDescriptor.xsd mcdonalds.sld

mcdonalds.sld:13.54: Element '{http://www.opengis.net/sld}OnlineResource': This element is not expected. Expected is one of (
{http://www.opengis.net/se}OnlineResource, {http://www.opengis.net/se}InlineContent).

mcdonalds.sld - **invalid**

The written style has:

```
<OnlineResource xlink:type="simple" xlink:href="/usr/share/qgis/svg/symbol/Star1.svg"/>
<Format>image/svg+xml</Format>
```

where it should have:

```
<se:OnlineResource xlink:type="simple" xlink:href="/usr/share/qgis/svg/symbol/Star1.svg"/>
<se:Format>image/svg+xml</se:Format>
```

QGIS version

1.8.0-Lisboa

QGIS code revision

exported

Compiled against Qt

4.8.1

Running against Qt

4.8.1

Compiled against GDAL/OGR

1.7.3

Running against GDAL/OGR

1.7.3

GEOS Version

3.2.2

PostgreSQL Client Version

9.1.4

SpatiaLite Version

3.0.0-beta

QWT Version

5.2.2

Associated revisions

Revision 6e855d8c - 2012-06-19 01:36 PM - Giuseppe Sucameli

fix export from Graduated renderingV2 to SLD, generate valid SLD docs (fix #5795):

Description tag must have a child tag,

OnlineResource tag and its child Format tag must have SE namespace,

Filter tag created and never appended to the Rule element exporting from a Graduated rendering,

fix convertion between PropertyIsBetween tag and QgsExpression

History

#1 - 2012-06-13 03:04 PM - Giovanni Manghi

- Operating System deleted (Ubuntu)

- OS version deleted (12.04)

- Assignee set to Giuseppe Sucameli

#2 - 2012-06-13 03:39 PM - Giuseppe Sucameli

- Priority changed from Low to Normal

Right, those tags must have SE prefix.

It's late for fixing it on the master branch, I must wait QGis 1.8 is released.

#3 - 2012-06-13 04:13 PM - Giuseppe Sucameli

Found another problem when validating another SLD file:

Element '{http://www.opengis.net/se}Description':

Character content other than whitespace is not allowed because the

content type is 'element-only'.

The Description tag in SE must contain a Title and/or an Abstract tag, so the description string must be moved within one of those tags.

#4 - 2012-06-18 12:57 PM - Rui Pedro Henriques

- File exported.sld added

- File exported.qml added

- File import_fail.sld added

- File import_ok.sld added

Hello,

When creating a SLD file from a "graduated" simbology, the filters are not created.

What I've done (EXPORT):

1. Open a polygon layer;

2. On "Layer properties" > "Style" choose "Graduated"

3. Choose a (numeric) column, 10 classes and Natural Breaks mode.

4. Classify

5. Export Style as SLD.

The exported style has the rules for the created classes, however the filters that enforce those rules are not created.

I've manually created the filters for the rules in order to use with mapserver.

When importing, QGIS manages to import filters in the form of "PropertyIsEqualTo" but is not able to import "PropertyIsBetween".

Files attached:

exported.sld: SLD file created by QGIS

import_ok.sld: SLD file with "PropertyIsEqualTo" filters

import_fail.sld: SLD file with "PropertyIsBetween" filters

exported.qml: QGIS style file with the same style as "exported.sld"

#5 - 2012-06-18 02:36 PM - Giuseppe Sucameli

- Status changed from Open to In Progress

Looking at the code, the filter element is created but never appended to the xml document.

#6 - 2012-06-19 04:37 AM - Giuseppe Sucameli

- Status changed from In Progress to Closed

Fixed in changeset commit:"6e855d8c1a6d7dac345465520c4b86a7321a3ebe".

Files

mcdonalds.sld	1.04 KB	2012-06-13	Jorge Rocha
exported.sld	3.76 KB	2012-06-18	Rui Pedro Henriques
import_ok.sld	1.57 KB	2012-06-18	Rui Pedro Henriques
import_fail.sld	7.9 KB	2012-06-18	Rui Pedro Henriques
exported.qml	7.32 KB	2012-06-18	Rui Pedro Henriques