

## QGIS Application - Bug report #16615

### QGIS crashes when opening project file with nonexisting NTV2 grid file location

2017-05-24 10:29 PM - Mario Miler

<b>Status:</b> Closed	
<b>Priority:</b> High	
<b>Assignee:</b>	
<b>Category:</b> Project Loading/Saving	
<b>Affected QGIS version:</b> 2.18.7	<b>Regression?:</b> No
<b>Operating System:</b> Ubuntu Linux 16.04	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 24515

#### Description

When I open a QGIS project created on Windows QGIS installation (see attachment), it crashes QGIS on Linux.

I found out that the reason for that crash is in QGIS project Coordinate system definition in \*.qgs file. When there is custom coordinate system definition that uses NTV2 grid file for datum transformation, it crashes QGIS (see line 28 in qgs file from attachment. Probably because that file (D:\HRNTv2.gsb) does not exist on Linux OS.

For example, if you open a QGIS project file from the attachment, you will find something like this:

```
<!DOCTYPE qgis PUBLIC 'http://mrcc.com/qgis.dtd' 'SYSTEM'>
<qgis projectname="" version="2.18.3">
  <title></title>
  <autotransaction active="0"/>
  <evaluateDefaultValues active="0"/>
  <layer-tree-group expanded="1" checked="Qt::Checked" name="">
    <customproperties/>
    <layer-tree-layer expanded="1" checked="Qt::Checked" id="Novigrad_2008_upu_stancijeta_1_point20170410131027696"
name="Novigrad_2008_upu_stancijeta_1_point">
      <customproperties/>
    </layer-tree-layer>
    <layer-tree-layer expanded="1" checked="Qt::Checked" id="Novigrad_2008_upu_stancijeta_1_polygon20170410130908229"
name="Novigrad_2008_upu_stancijeta_1_polygon">
      <customproperties/>
    </layer-tree-layer>
  </layer-tree-group>
  <relations/>
  <mapcanvas>
    <units>meters</units>
    <extent>
      <xmin>5388731.26843392010778189</xmin>
      <ymin>5021504.89625283982604742</ymin>
      <xmax>5389744.13858615513890982</xmax>
      <ymax>5022828.19216307904571295</ymax>
    </extent>
    <rotation>0</rotation>
    <projections>1</projections>
    <destinationrsrs>
      <spatialrefsys>
<proj4>+proj=tmerc +k=0.9999 +lon_0=15 +no_defs +x_0=5500000 +ellps=bessel +nadgrids=D:\\HRNTv2.gsb +units=m
+lat_0=0 +wktext +y_0=0</proj4>
      <srsid>100000</srsid>
```

```
<srid>0</srid>
<authid>USER:100000</authid>
<description>5 zona</description>
<projectionacronym>tmerc</projectionacronym>
<ellipsoidacronym>bessel</ellipsoidacronym>
<geographicflag>>false</geographicflag>
</spatialrefsys>
</destinationrs>
```

...  
...  
...

Problem is in the bold text. When I delete that line from .qgs file, it works without any problem. I believe that QGIS crashes because he can not find file **D:\\HRNTv2.gsb** on my Linux machine. I have that file somewhere else on my computer.

To reproduce this error:

- unzip attachment
- open Novigrad\_2008\_upu\_stancijeta\_1.qgs file
- and crash

Thank you for your help and best regards,  
Mario

## History

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### #1 - 2017-05-25 11:57 AM - Giovanni Manghi

- *Easy fix? changed from Yes to No*
- *Category changed from GUI to Project Loading/Saving*
- *Priority changed from Low to High*

### #2 - 2017-11-14 01:40 PM - Even Rouault

- *Status changed from Open to Feedback*

I cannot reproduce with latest QGIS 2.18.14 or QGIS master on Ubuntu 16.04. If you reproduce, could you give the stacktrace when the crash occurs

### #3 - 2017-11-14 02:13 PM - Mario Miler

Even Rouault wrote:

*I cannot reproduce with latest QGIS 2.18.14 or QGIS master on Ubuntu 16.04. If you reproduce, could you give the stacktrace when the crash occurs*

Yes, you are right. The problem does not exist on 2.18.14 version. QGIS works normally.

### #4 - 2017-11-14 02:16 PM - Giovanni Manghi

- *Resolution set to fixed/implemented*
- *Status changed from Feedback to Closed*

## Files

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