

# QGIS Application - Feature request #2315

## QGIS exceptions does not support unicode

2009-12-23 02:48 AM - marisn -

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> Jürgen Fischer	
<b>Category:</b> Translations and international	
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 12375
<b>Description</b>	
<p>Current exception handling in QGIS can not display correctly non-ascii error messages. Still there is a code, that might emit exception with unicode text as its content. Currently such text is displayed as ascii string (non-ascii chars are garbled). Such issue could be solved, if exception text would be stored as a QString, still as I have no skills in C++ and Qt, I can't provide patches :(</p> <p>Example: <a href="https://trac.osgeo.org/qgis/browser/trunk/qgis/src/core/qgscoordinatetransform.cpp?rev=12550#L473">https://trac.osgeo.org/qgis/browser/trunk/qgis/src/core/qgscoordinatetransform.cpp?rev=12550#L473</a></p>	

### Associated revisions

#### Revision d2d9cf9a - 2009-12-28 10:33 PM - Jürgen Fischer

fix #2315

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@12640> c8812cc2-4d05-0410-92ff-de0c093fc19c

#### Revision a13c99d1 - 2009-12-28 10:33 PM - Jürgen Fischer

fix #2315

git-svn-id: <http://svn.osgeo.org/qgis/trunk@12640> c8812cc2-4d05-0410-92ff-de0c093fc19c

### History

#### #1 - 2009-12-23 04:22 AM - Jürgen Fischer

The exception can handle non-ascii messages.

I've already had a pending patch - which also contains string changes, we can't currently commit. Although I wasn't able to get a garbled error message as my proj doesn't emit localized messages. I just see the latvian error message with an English error text from proj.

#### #2 - 2009-12-24 04:09 AM - marisn -

Changing bug description back to original, as proj.4 currently does not support localized error messages. This is (almost) pure QGIS issue.

Compiled current QGIS trunk (commit:b2e7a7c1 (SVN r12613)) without any CMAKE\_BUILD\_TYPE setting with Qt 4.6.0. QGIS displays pop-up with text and after clicking OK, it's impossible to close QGIS window (only with xkill):

```
NeveiksmĀĀgs forward transformĀĀĀĀana no
(10075.3, 112109)
ar kĀĀĀĀdu: latitude or longitude exceeded limits
```

String should read (still it's grammatically incorrect due to how this string is represented to translators and hardcoded "forward" word):

Neveiksmīgs forward transformēšana ...

IMHO problem lies here: <http://trac.osgeo.org/ggis/browser/trunk/ggis/src/core/ggsexception.h#L54>

Conversion between QString and std::string is done via fromAscii() (if I understood QString manual correctly).

### #3 - 2009-12-24 08:14 AM - Jürgen Fischer

commit:ed0d9dad (SVN r12616) should catch the exceptions in the first place (the V2 renderers would hang otherwise),  
commit:8cc3c65e (SVN r12617) should fix the encoding problem, if they still become visible somewhere,  
but the translation string update is still pending.

### #4 - 2009-12-28 01:33 PM - Jürgen Fischer

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

applied in commit:a13c99d1 (SVN r12641).

### Files

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qgscoordinatetransform_exception_message.patch	1.81 KB	2009-12-23	marisn -
qgis_forward_encoding1.png	205 KB	2009-12-24	marisn -
qgscoordtransform.patch	4.14 KB	2009-12-24	marisn -
pjerr.diff	3.71 KB	2009-12-24	Jürgen Fischer