

QGIS Application - Bug report #1141

broken Polish characters support since r8592

2008-07-07 03:16 AM - Maciej Sieczka -

Status:	Closed	
Priority:	Low	
Assignee:	Tim Sutton	
Category:		
Affected QGIS version:		Regression?: No
Operating System: Debian		Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 11201
Description		
<p>QGIS no longer displays Polish (pl UTF-8 locale) characters in the table, labels and query results. It also fails to save a newly created shapefile if it's name contains Polish chars like ąęćń etc.</p> <p>The last QGIS SVN trunk revision which handles Polish chars correctly is r8591. r8592 is when things went funky. Jürgen was the author.</p>		

Associated revisions

Revision b7ee1e84 - 2008-07-12 11:18 AM - Jürgen Fischer

fix #1141 by fixing #1120 differently.

I still don't see why r8592 has an effect, except calling OSRImportFromProj4() in locale "C". Just setting LC_NUMERIC probably resolves the side effects leading to #1141 without reopening #1120.

But there might be - even more subtle - side effects left - watch out.

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@8759> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision f3f933d0 - 2008-07-12 11:18 AM - Jürgen Fischer

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History

#1 - 2008-07-07 04:31 AM - Maciej Sieczka -

Correction - the query/edit issue applies only to GRASS vector layers. Polish chars are handled OK in case of Shapefiles tables.

As to Shapefiles, only the issue with saving it under a name with non-ASCII chars applies - eg. if I create a new Shapefile and try save it as "test_ąę", it will

be saved as "test_".

Also I noticed that QGIS silently fails to create fields with non-ASCII chars when creating a new shapefile. Please issue an error instead.

#2 - 2008-07-08 10:42 AM - Tim Sutton

- Status changed from Open to In Progress

#3 - 2008-07-11 05:15 PM - Tim Sutton

- Status changed from In Progress to Open

Please test the attached patch. It resolves the shp creation issues for me - I was able to create a shp with polish chars both in name and in field names. I haven't tested with grass. I also don't know if the patch will have sideeffects for people in other locales or previously closed bugs.

Please test and provide feedback.

Regards

Tim

#4 - 2008-07-12 01:58 AM - Jürgen Fischer

Replying to [comment:3 timlinux]:

Please test the attached patch. It resolves the shp creation issues for me - I was able to create a shp with polish chars both in name and in field names. I haven't tested with grass. I also don't know if the patch will have sideeffects for people in other locales or previously closed bugs.

Hm, from

```
#include <stdio.h>
#include <locale.h>

int main(int argc, char **argv) {
    const char *value = "123.456";
    const char *locale = setlocale(LC_ALL, NULL);
    const char *locales[] = {"C", "UTF-8", "foobar", "de_DE.UTF8", "foobar"};

    printf("initial locale: %s\n", locale);

    int i;
    for(i=0; i<sizeof(locales)/sizeof(*locales); i++) {
        double val;
        const char *res = setlocale(LC_ALL, locales[i]);
        if(!res)
            res="(null)";
        sscanf(value, "%lf", &val);
        printf("setlocale: argument=\\\"%s\\\" result=\\\"%s\\\" query=\\\"%s\\\" value=%.4lf\n",
            locales[i], res, setlocale(LC_ALL, NULL), val);
    }
}
```

```

}

setlocale(LC_ALL, locale);
printf("restored to \"%s\" locale: %s\\
", locale, setlocale(LC_ALL, NULL));
}

```

I get:

```

initial locale: C
setlocale: argument="C" result="C" query="C" value=123.4560
setlocale: argument="UTF-8" result="(null)" query="C" value=123.4560
setlocale: argument="foobar" result="(null)" query="C" value=123.4560
setlocale: argument="de_DE.UTF8" result="de_DE.UTF8" query="de_DE.UTF8" value=123,0000
setlocale: argument="foobar" result="(null)" query="de_DE.UTF8" value=123,0000
restored to "C" locale: C

```

"C" is a predefined locale and valid (as "POSIX"). Looks like "UTF-8" isn't and setlocale() doesn't actually change anything in that case.

So you're reverting commit:2c95d648 (SVN r8693) and reopening #1120, without actually doing it ;)

I still don't see how commit:2c95d648 (SVN r8693) has an effect as the locale should be properly restored - it should only last for the OSRImportFromProj4 call.

#5 - 2008-07-12 02:26 AM - Jürgen Fischer

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

Maciej, could you please verify that both #1120 and #1141 are fixed? Please reopen, if either problem is still there.

#6 - 2008-07-12 02:29 AM - Jürgen Fischer

Replying to [comment:5 jef]:

Maciej, could you please verify that both #1120 and #1141 are fixed? Please reopen, if either problem is still there.

in commit:f3f933d0 (SVN r8760) that is.

#7 - 2009-08-22 12:56 AM - Anonymous

Milestone Version 0.11.0 deleted

Files

ticket_1141.jpeg	10.6 KB	2008-07-11	Tim Sutton
ticket_1141_patch.diff	1.75 KB	2008-07-11	Tim Sutton