

QGIS Application - Bug report #19742

accentued caracters make problem to load python expression script

2018-08-31 03:27 PM - Jérôme Seigneuret

Status:	Reopened
Priority:	Normal
Assignee:	
Category:	Expressions
Affected QGIS version:	3.2.2
Operating System:	Windows 7 64x
Pull Request or Patch Supplied:	
Crashes QGIS or corrupts data:	
Regression?:	No
Easy fix?:	No
Resolution:	invalid
Copied to github as #:	27567

Description

Hi,

Error

2018-08-31T15:05:56 WARNING L'expression de l'utilisateur base_water_function n'est pas valide
Traceback (most recent call last):
File "C:/OSGEO4~1/apps/qgis./python\qgis\user.py", line 48, in load_user_expressions
import("expressions.{0}".format(name), locals(), globals())
File "C:/OSGEO4~1/apps/qgis./python\qgis\utils.py", line 674, in _import
mod = _builtin_import(name, globals, locals, fromlist, level)
File "C:/Users/user1/AppData/Roaming/QGIS/QGIS3/profiles/default/python\expressions\base_water_function.py", line 21
SyntaxError: (unicode error) 'utf-8' codec can't decode byte 0xe9 in position 4: invalid continuation byte

Context:

I make a function in expresion script panel and it is used to set label.

The expression script is:

```
# -*- coding: utf-8 -*-
from qgis.core import *
from qgis.gui import *

@qgsfunction(args='auto', group='Custom')
def get_pipe_material_code_fr(v, feature, parent):
    """
    return french material name to it correspoding code
    """

    if v == "Fonte":
        return "F"
    elif v == "Pvc":
        return "PVC"
    elif v == "inconnu":
        return "?"
    elif v == "Polyéthylène":
        return "PE"
    else:
        return "X"
```

In fact i see

C:\Users\user1\AppData\Roaming\QGIS\QGIS3\profiles\default\QGIS\QGIS3.ini
encoding=UTF-8

there is no information with python but if I have understand, QGIS 3 work with python 3 and default encoding is UTF-8 so I don't understand

```
my label call get_pipe_material_code_fr("Material") || ('Ø') || "Diameter"
```

If I go in function panel and click on load, all work fine.

Software information

Version de QGIS

3.2.2-Bonn

Révision du code

26842169e9

Compilé avec Qt

5.9.2

Utilisant Qt

5.9.2

Compilé avec GDAL/OGR

2.2.4

Utilisé avec GDAL/OGR

2.2.4

Compilé avec GEOS

3.6.1-CAPI-1.10.1

Utilisé avec GEOS

3.6.1-CAPI-1.10.1 r0

Version du client PostgreSQL

9.2.4

Version de SpatiaLite

4.3.0

Version de QWT

6.1.3

Version de QScintilla2

2.10.1

Version de PROJ.4 :

493

History

#1 - 2018-08-31 04:36 PM - Giovanni Manghi

- Category changed from Unknown to Expressions

#2 - 2018-09-03 09:14 AM - Jérôme Seigneuret

- Status changed from Open to Closed

This error are caused by encoding file...

I have create expression in an old version and I don't understand why but file is in ANSI and not utf-8. I convert encoding with Notepad++ and all work fine.

It's possible to add analyse on encoding file if it's not identical to header declaration or/and default encoding?

#3 - 2018-09-03 10:41 AM - Giovanni Manghi

- Resolution set to invalid

#4 - 2018-09-03 02:36 PM - Harrissou Santanna

| 2018-08-31T15:05:56 WARNING L'expression de l'utilisateur base_water_function n'est pas valide

L'utilisateur s'appelle **base_water_function** ou c'est une mauvaise traduction et c'est plutôt le nom de la fonction?

#5 - 2018-09-03 03:12 PM - Jérôme Seigneuret

Harrisou Santanna wrote:

| 2018-08-31T15:05:56 WARNING L'expression de l'utilisateur base_water_function n'est pas valide

| L'utilisateur s'appelle **base_water_function** ou c'est une mauvaise traduction et c'est plutôt le nom de la fonction?

Sorry for french resume but I think this is an error of translation same as @Harrisou

Il y a peut être une erreur de traduction. En fait je dirais :

"Le fichier d'expression utilisateur base_water_function n'est pas valide"

File have same name as user expression file listed in fonction (normaly) but there is really a problem because ther is no analyse to check if name are valid or not with file system. I think this message need to be a new issue.

\\\ is a valide expression file name! file stored ... I don't no where because there is no file in folder

// is a valide expression file name! file stored is .py

#6 - 2018-09-03 03:39 PM - Jérôme Seigneuret

- Status changed from Closed to Reopened

I understand why my fucntion don't work

When I load function file it is save in local encoding and not in utf-8

so when I reopen it on notepad++ this looks like to that

```
# -*- coding: utf-8 -*-
from qgis.core import *
from qgis.gui import *

@qgsfunction(args='auto', group='Custom')
def get_pipe_material_code_fr(v, feature, parent):
    """
    read and replace value by code
    """

    if v == "Fonte":
        return "F"
    elif v == "Pvc":
        return "PVC"
    elif v == "inconnu":
        return "?"
    elif v == "Poly\[\]":
        return "PE"
    else:
        return "X"
```

This comportment is on all scripts... But not all my script contains non ascii caracters. This is the why I don't detect that before