QGIS Application - Bug report #5345
Problems with PATH-Variables in msys.bat and OSGeo4W

2012-04-13 12:37 AM - Stefan Ramme

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:			
Affected QGIS version:	1.7.4	**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	up/downstream
Crashes QGIS or corrupts data:		**Copied to github as #:**	15045

Description

Under Windows-OS the batch files "msys.bat" and "OSGeo4W.bat" experience problems when path-variables to executables called within the batch file contain whitespace like "C:\\Program Files\\Quantum Gis Wroclaw" - which is the case in all Windows installations of QGis. Execution of batch file terminates with "C:\\Program" could not be found...

Might have s.th. to do with coding the path to the executables in a variable (not hardcoded).

Execution of batch file msys.bat worked without problems in 1.7.3
Execution of batch file for calling Grass works without problems in 1.7.4

History

#1 - 2012-04-16 06:32 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

#2 - 2012-04-17 07:25 AM - Jürgen Fischer

- Resolution set to upstream

The standalone installer repackages GRASS (and QGIS) from OSGeo4W. Please check if GRASS in OSGeo4W has the same issues (which it should) and if so open a ticket there. The default there is C:\\OSGeo4W so to verify, so you should change that to e.g. C:\\Program Files\\OSGeo4W to replicate.

#3 - 2012-04-17 07:31 AM - Jürgen Fischer

- Subject changed from Problems with PATH-Variables in mysy.bat and OSGeo4W (Windows) to Problems with PATH-Variables in msys.bat and OSGeo4W

#4 - 2012-09-04 11:53 AM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#5 - 2012-09-18 11:30 PM - Andre Joost

After testing a bit around with quotation marks, I made the following changes to osgeo4w.bat:

```
@echo off
rem Root OSGEO4W home dir to the same directory this script exists in
set OSGEO4W_ROOT=%~dp0
rem Convert double backslashes to single
set OSGEO4W_ROOT=%OSGEO4W_ROOT:\\\\=\\%
echo. & echo OSGEO4W home is %OSGEO4W_ROOT% & echo.
```

```
set _path=%OSGEO4W_ROOT%bin
call "%OSGEO4W_ROOT%bin\\addpath.bat" _path
set _path=

rem Add application-specific environment settings
for %%f in ("%OSGEO4W_ROOT%\\etc\\ini\\*.bat") do call "%%f"

rem List available o4w programs
rem but only if osgeo4w called without parameters
rem if [%1]==[] call o-help
@echo on

@if [%1]==[] (cmd.exe /k o-help) else (cmd /c "%*")
```

and for o-help.bat:

```
@echo off
:: Osgeo4w Quick Help -- report available executables in o4w bin directory
::
:: 2012-02(Feb)-06, Matt Wilkie <maphew@gmail.com>
:: License: Open source MIT, http://www.opensource.org/licenses/mit-license
::
setlocal enabledelayedexpansion

:Main
 echo.            -={ OSGeo4W Shell Commands }=-
 if ["%OSGEO4W_ROOT%"]==[] goto :NoEnv

    rem Generate executables list
    pushd %OSGEO4W_ROOT%\\bin
    echo.            > "%temp%\\o-help-list.txt"
    dir /d *.exe |find ".exe" >>"%temp%\\o-help-list.txt"
    echo.            >>"%temp%\\o-help-list.txt"
    dir /d *.bat |find ".bat" >>"%temp%\\o-help-list.txt"
    popd

    rem Strip extensions and report just names
    rem c.f. http://ss64.com/nt/syntax-replace.html
    for /f "usebackq delims=?" %%g in ("%temp%\\o-help-list.txt") do (
      set _s=%%g
      set _s=!_s:.exe=!
      set _s=!_s:.bat=!
      echo.     !_s!
      )
    echo.
    del "%temp%\\o-help-list.txt"

    rem Report gdal version, if present
    for %%g in (gdalinfo.exe) do if not ["%%~dp$PATH:g"]==[] gdalinfo --version

 goto :EOF
```

:NoEnv

  echo   ERROR: OSGEO4W_ROOT is not set

  echo.

The previous error does not come up, but gdalinfo crashes in the end.

#6 - 2012-10-31 06:02 AM - Andy Harfoot

I have independently applied the same corrections to osgeo4w.bat and o-help.bat proposed by Andre Joost and can confirm that these modifications correct the errors for both the standalone install (1.8.0.1) and the OSGeo4W package based install (GDAL 1.9.1-2) on Win7.

I have raised a ticket duplicating most of this on the OSGeo4W trac (http://trac.osgeo.org/osgeo4w/ticket/315)

#7 - 2013-09-22 02:59 AM - Giovanni Manghi

- Resolution changed from upstream to up/downstream

- Status changed from Open to Closed

The ticket filed upstream has been fixed, I guess this can be closed.