# QGIS Application - Bug report #5151
# OSGEO4W_ROOT not set correctly in Windows 2000

2012-03-10 07:44 AM - Steve Hartley

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | | |
| **Priority:** | Normal | | | |
| **Assignee:** | | | | |
| **Category:** | Build/Install | | | |
| **Affected QGIS version:** | 1.7.4 | **Regression?:** | No | |
| **Operating System:** | Windows | **Easy fix?:** | No | |
| **Pull Request or Patch supplied:** | | **Resolution:** | upstream | |
| **Crashes QGIS or corrupts data:** | No | **Copied to github as #:** | 14903 | |

### Description

Installing 1.7.4 using the standalone puts the .dll files into C:\\Program Files\\QuantumGISWroclaw\\bin but the program expects them in C:\\Program Files\\QuantumGISWroclaw\\apps\\qgis\\bin.  I tried copying them across but the GUI didn't appear after the startup picture closed.

Installing 1.7.4 using the OSGeo4W Installer puts qgis.exe in C:\\OSGeo4W\\apps\\qgis\\bin but the batch (opening the shortcut) expexts it in C:\\OSGeo4W\\bin\\apps\\qgis\\bin.  Opening qgis.exe from within its directory reveals that the .dll files are again not where expected and the prog fails to open.

### Related issues:

| | | |
|---|---|---|
| Duplicated by QGIS Application - Bug report # 5757: qgis 1.7.4 won't work on ... | **Closed** | **2012-06-07** |

## History

**#1 - 2012-03-10 10:12 AM - Jürgen Fischer**

*- Crashes QGIS or corrupts data changed from Yes to No*

*- Status changed from Open to Feedback*

*- Priority changed from 6 to Normal*

The standalone installer is based on the OSGeo4W packages, so the file layout is the same.   QGIS is started with the batch file in bin, starting the qgis.exe directly isn't supported.

I can't reproduce the problem that the batch file (which is created from qgis.bat.tmpl on install) expects qgis.exe in anything else but apps\\qgis\\bin.

**#2 - 2012-03-15 03:34 AM - Steve Hartley**

qgis.bat (in C:\\OSGeo4W\\bin) sets the root dir to C:\\OSGeo4W, but then calls o4w_env.bat (also in C:\\OSGeo4W\\bin) which resets the root dir to the current dir (C:\\OSGeo4W\\bin).  Hence thereafter when qgis.bat calls OSGEO4W_ROOT\\apps\\qgis\\bin it tries to reach C:\\OSGeo4W\\bin\\apps\\qgis\\bin, which doesn't exist.  qgis.exe is then expected in the non-existent bin\\apps\\qgis\\bin, not in apps\\qgis\\bin.  I tried remarking out the line calling o4w_env.bat, but that leads to the dll files being expected in apps\\qgis\\bin, when most of them have been installed in \\bin

**#3 - 2012-03-15 03:37 AM - Steve Hartley**

Forgot to say, I now get the same problem installing trunk, but haven't had this problem installing previous (1.7.3 & before) versions, or indeed installing previous versions of trunk in the past.

**#4 - 2012-03-15 04:32 AM - Jürgen Fischer**

Steve Hartley wrote:

> qgis.bat (in C:\\OSGeo4W\\bin) sets the root dir to C:\\OSGeo4W, but then calls o4w_env.bat (also in C:\\OSGeo4W\\bin) which resets the root dir to
> the current dir (C:\\OSGeo4W\\bin).

Here o4w_env.bat reads

...
pushd %~dp0\\..
set OSGEO4W_ROOT=%cd%
...

which sets OSGEO4W_ROOT to the directory above bin - which is correct.  When you start the OSGeo4W Shell it should even echo "OSGeo4W home is
C:\\OSGeo4W".  What output do you get?

**#5 - 2012-03-15 05:13 AM - Steve Hartley**

Sorry - my programming ignorance.  I thought cd meant the current dir.
When I open qgis.bat I get the echo:
    OSGEO4W home is C:\\OSGeo4W\\bin
     The system cannot find the path specified

and a windows error screen C:|OSGeo4W\\bin\\apps\\qgis\\bin\\qgis.exe with
    Cannot find the file 'C:\\OSGeo4W\\bin\\apps\\qgis\\bin\\qgis.exe' (or one of its
     components).  Make sure the path & filename are correct & that all required
     libraries are available.

not surprising since C:\\OSGeo4W\\bin contains a folder \\gdalplugins and a lot of .dll, .py, .bat & .exe files, but no \\apps folder.
qgis.exe has been installed in C:\\OSGeo4W\\apps\\qgis\\bin\\qgis.exe, so the installed folder & file structure doesn't match the expected one.

**#6 - 2012-03-15 05:31 AM - Jürgen Fischer**

Steve Hartley wrote:

> Sorry - my programming ignorance.  I thought cd meant the current dir.
> When I open qgis.bat I get the echo:
>
> OSGEO4W home is C:\\OSGeo4W\\bin
> The system cannot find the path specified

Then Windows 2000's cmd.exe apparently doesn't understand pushd %~dp0\\...  Replacing

pushd %~dp0\\..
set OSGEO4W_ROOT=%cd

with

```
pushd %~dp0
cd ..
set OSGEO4W_ROOT=%cd%
```

might help.  Not sure if OSGeo4W bothers to fix that, Windows 2000 is ooold.

**#7 - 2012-03-15 05:33 AM - Jürgen Fischer**

*- Subject changed from Installation of 1.7.4 puts files in wrong directories to OSGEO4W_ROOT not set correctly in Windows 2000*

**#8 - 2012-03-15 09:17 AM - Steve Hartley**

Success! Your suggestion works.  Thank you for helping me to continue to run the very very ancient Windows 2000.

**#9 - 2012-03-15 09:28 AM - Jürgen Fischer**

*- Status changed from Feedback to Closed*

*- Resolution set to upstream*

**#10 - 2012-06-07 05:37 AM - Nebojša Tanasković**

Can you upload your qgis.bat which works, please

**#11 - 2012-06-07 07:56 AM - Steve Hartley**

*- File o4w_env.bat added*

I had to modify o4w_env.bat (attached) in C:\\OSGeo4W\\bin, not qgis.bat

**#12 - 2012-06-08 12:40 AM - Nebojša Tanasković**

*- File sqlite_error.bmp added*

next error- see attachment

The procedure entry point sqlite3_open_v2 could not be located in dynamic kink library sqlite3.dll

????

**#13 - 2012-06-08 12:55 AM - Jürgen Fischer**

see also OSGeo4W !#276

Current OSGeo4W should already contain the modified batch file.

## Files

| | | | | |
|---|---|---|---|---|
| o4w_env.bat | | 310 Bytes | 2012-06-07 | Steve Hartley |
| sqlite_error.bmp | | 2.25 MB | 2012-06-07 | Nebojša Tanasković |