QGIS Application - Bug report #5069
cmake fails to detect correct python version

2012-02-22 12:55 PM - milovanderlinden -

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Build/Install			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:	Archlinux	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:		**Copied to github as #:**	14836	

Description

I am trying to compile qGIS from git on archlinux. My system contains various python versions:

/usr/bin/python -> python3
/usr/bin/python2 -> python2.7
/usr/bin/python2.7
/usr/bin/python2.7-config
/usr/bin/python2-config -> python2.7-config
/usr/bin/python3
/usr/bin/python3.2
/usr/bin/python3.2-config -> python3.2mu-config
/usr/bin/python3.2mu
/usr/bin/python3.2mu-config
/usr/bin/python3-config -> python3.2-config
/usr/bin/python-config -> python3-config

with ccmake I set:
PYTHON_LIBRARY   /usr/bin/python2.7

But when I run cmake, output is:

-- Quantum GIS version: 1.9.90 Alpha (10990)
-- Could not find GRASS
-- Found Proj: /usr/lib/libproj.so
-- Found GEOS: /usr/lib/libgeos_c.so
-- Found GDAL: /usr/lib/libgdal.so
-- Found Expat: /usr/lib/libexpat.so
-- Found Qwt: /usr/lib/libqwt.so (6.0.1)
-- Found PostgreSQL: /usr/lib/libpq.so
-- Pedantic compiler settings enabled
-- Found Python executable: /usr/bin/python
-- Found Python include path: /usr/include/python3.2mu ### ADDED BY ME IN FindPythonLibrary.cmake ###
-- Found Python version: 3.2.2
-- Found Python library: /usr/bin/python2.7
-- Found SIP version: 4.13.2
-- Found PyQt4 version: 4.9.1
-- Found GSL: L/usr/lib -lgsl -lgslcblas -lm
- Ctest Binary Directory set to: /data/Development/Quantum-GIS/build/output/bin
-- Configuring done
-- Generating done

-- Build files have been written to: /data/Development/Quantum-GIS/build

I isolated the problem to FindPythonLibrary.cmake, but since I am new to cmake scripts, I will need some time to investigate further, hoping to come up with a patch myself.

History

#1 - 2012-02-22 01:03 PM - Jürgen Fischer

Set PYTHON_EXECUTABLE to /usr/bin/python2.7 and PYTHON_LIBRARY to /usr/lib/libpython2.7.so

#2 - 2012-02-22 01:16 PM - milovanderlinden -

cmake -D PYTHON_EXECUTABLE=/usr/bin/python2.7 ..

produces

-- Quantum GIS version: 1.9.90 Alpha (10990)

-- Could not find GRASS

-- Found Proj: /usr/lib/libproj.so

-- Found GEOS: /usr/lib/libgeos_c.so

-- Found GDAL: /usr/lib/libgdal.so

-- Found Expat: /usr/lib/libexpat.so

-- Found Qwt: /usr/lib/libqwt.so (6.0.1)

-- Found PostgreSQL: /usr/lib/libpq.so

-- Pedantic compiler settings enabled

-- Found PythonInterp: /usr/bin/python2.7 (found version "2.7.2")

-- Found Python executable: /usr/bin/python2.7

-- Found Python include path: /usr/include/python2.7

-- Found Python version: 2.7.2

-- Found Python library: /usr/lib/libpython2.7.s0

-- Found SIP version: 4.13.2

-- Found PyQt4 version: 4.9.1

-- Found GSL: ~~L/usr/lib -lgsl -lgslcblas -lm~~

- Ctest Binary Directory set to: /data/Development/Quantum-GIS/build/output/bin

-- Configuring done

-- Generating done

-- Build files have been written to: /data/Development/Quantum-GIS/build

so that looks good!

Starting the make process now.

#3 - 2012-02-22 01:59 PM - milovanderlinden -

Setting PYTHON_LIBRARY to /usr/lib/libpython2.7.so is necessary, but from there forward, everything works fine. This is a perfectly acceptable work around. I will see if I can add the information to the install wiki

#4 - 2014-02-23 12:17 AM - Matthias Kuhn

- Status changed from Open to Closed