

QGIS Application - Bug report #2446

Python.cmake is wrong about python-sip version

2010-02-16 02:16 AM - antimirov -

Status:	Closed	
Priority:	Low	
Assignee:	Borys Jurgiel	
Category:	Python plugins	
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 #: 12506
Description		
<p>Today I got this error after having upgraded my python-sip package to newer version:</p> <p>"SIP is required in version 4.7 or later!"</p> <p>But actually it's deeply wrong as my current version is 4.10. So I checked cmake/Python.cmake file in which I found that Cmake runs this command to compare current version of sip and to check whether it's bigger than 4.7:</p> <pre>\$ python import sip print '%x' % sip.SIP_VERSION</pre> <p>So for older older version is:</p> <pre>sip.SIP_VERSION=263945 hex=0x40709</pre> <p>For newer it's funny:</p> <pre>sip.SIP_VERSION=264704 hex=40a00</pre> <p>So the newer version is lexicographically lower than the previous one. Looks like a bug.</p>		

History

#1 - 2010-02-16 02:33 AM - antimirov -

I'm sorry. Lexicographically 'a' is higher than "7", but the issue with Cmake's way of detecting python-sip version is still valid.

#2 - 2010-02-16 02:37 AM - Borys Jurgiel

Did you try to remove the build/python directory before recompiling? I have SIP 4.10 and no such error occurs (Ubuntu). However, I can't find the version test you mention anywhere...

#3 - 2010-02-16 02:38 AM - Martin Dobias

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

What QGIS version is that? This is not a problem anymore in SVN trunk (will be released as 1.5).

I think the development releases (v1.1 - v1.4) are affected, but there are no plans for further bugfix releases. So you might fix the problem manually in cmake/Python.cmake file:

Lines (153-155)

```
IF (SIP_VERSION EQUAL "${SIP_MIN_VERSION}" OR SIP_VERSION GREATER "${SIP_MIN_VERSION}")
  SET (SIP_IS_GOOD TRUE)
ENDIF (SIP_VERSION EQUAL "${SIP_MIN_VERSION}" OR SIP_VERSION GREATER "${SIP_MIN_VERSION}")
```

change to just

```
SET (SIP_IS_GOOD TRUE)
```

#4 - 2010-02-16 02:58 AM - antimirov -

I fixed it with:

```
TRY_RUN_PYTHON (RES "print 40709" SIP_VERSION)
```

40709 is taken from older Ubuntu's python-sip.

2borysiasty:

I have QGIS from ubuntuqgis-unstable PPA, I use it for latest GEOS and Qgis 1.4.

Thanks for the hint about 1.5, I see that SIP detection code was heavily rewritten there.