

BornAgain - Bug #2280

GUI: consecutive import of sample from several python scripts is affected by previous imports

11 Jan 2019 10:36 - pospelov

Status:	Backlog	Start date:	11 Jan 2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Bug appears on consecutive import of sample from different Python scripts.			
Suppose you have script1.py with the method <code>get_sample1()</code> , and script2.py with the method <code>get_sample2()</code> . If you import script1.py to GUI, widget will correctly show existence of <code>get_sample1()</code> function and will successfully import sample from it. If you when import script2.py, the list of function will show existence of two functions, <code>get_sample1()</code> from first script, and <code>get_sample2()</code> from current script. Strangely enough, import of both functions is working.			
It seems that embedded Python interpreter remembers everything which happened to him during GUI session.			
Steps to reproduce:			
<ul style="list-style-type: none">• Use scripts from the attachment, and try to import sample from first and second script one after another.			

History

#1 - 22 Feb 2019 11:10 - herck

- Target version changed from Sprint 40 to Sprint 41

#2 - 16 Apr 2019 18:20 - wuttke

- Subject changed from GUI: consequitive import of sample from several python scripts is affected by previous imports to GUI: consecutive import of sample from several python scripts is affected by previous imports

#3 - 25 Jul 2019 14:08 - dmitry

- Assignee set to dmitry

#4 - 26 Jul 2019 16:41 - dmitry

- Assignee deleted (dmitry)

- Target version changed from Sprint 41 to v2.0

The bug is related to creating a python interpreter and not cleaning it up.

Seemingly it is possible to run an independent sub-interpreter (see `Py_NewInterpreter` in python documentation) on each new task. However, I did not manage to work it properly and got application crash at consecutive interpreter's creation/usage.

#5 - 30 Jul 2019 16:32 - pospelov

- Status changed from Sprint to Backlog

- Target version deleted (v2.0)

Files

script1.py	1.46 KB	11 Jan 2019	pospelov
script2.py	1.46 KB	11 Jan 2019	pospelov