

ctools - Bug #2652

cscripts that do not derive from ctools.cscript do not show help text

07/25/2018 11:50 PM - Knödlseeder Jürgen

Status:	Closed	Start date:	07/25/2018
Priority:	Normal	Due date:	
Assigned To:	Knödlseeder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.6.0		
Description When a cscript that does not derive from ctools.cscript is used with the --help option, no help text is shown and the following text is displayed on the screen (on a Mac OS X): Usage: /usr/local/Cellar/python/2.7.11/Frameworks/Python.framework/Versions/2.7/Resources/Python.app/Contents/MacOS/Python [-l] [-b] [-n] [-q] [dir] [[file:]data.root] [file1.C ... fileN.C] Options: -b : run in batch mode without graphics -x : exit on exception -n : do not execute logon and logoff macros as specified in .rootrc -q : exit after processing command line macro files -l : do not show splash screen dir : if dir is a valid directory cd to it before executing -? : print usage -h : print usage --help : print usage -config : print ./configure options -memstat : run with memory usage monitoring In the ctools code analysis, this scripts exit with a segmentation fault. See #2236.			
Related issues: Related to ctools - Bug # 2236: Segmentation fault error occur during Python ... <div>Closed10/21/2017</div>			

History

#1 - 07/25/2018 11:50 PM - Knödlseeder Jürgen

- Related to Bug #2236: Segmentation fault error occur during Python coverage measurement added

#2 - 07/27/2018 12:07 PM - Knödlseeder Jürgen

Here the list of scripts where the help text works:

- cscaldb(ctools.cscript)
- csebins(ctools.csobservation)
- csfindobs(ctools.cscript)
- csiactcopy(ctools.cscript)
- csiactdata(ctools.cscript)
- csiactobs(ctools.cscript)
- csmodelmerge(ctools.cscript)

and here the list where it not works:

- cslightcrv(ctools.csobservation)
- csmodelinfo(ctools.cscript)

It appears that for example in csmodelmerge the following line leads to the problem:

from cscripts import modutils

Commenting the line shows the help text. This could be related to the fact that importing scripts opens a X windows connection.

#3 - 07/27/2018 12:09 PM - Knödseder Jürgen

- % Done changed from 0 to 10

The X windows connection is open when importing csroot2caldb in the `__init__.py` file using the line

```
from cscripts.csroot2caldb import csroot2caldb
```

The reason is that csroot2caldb imports ROOT, which seems to be the culprit for opening the X windows connection. Commenting out this line does no longer lead to the help text issue.

#4 - 07/27/2018 11:50 PM - Knödseder Jürgen

- Status changed from New to Closed

- % Done changed from 10 to 100

Merged into devel.