

QGIS Application - Feature request #8343

Incremental output in python console

2013-07-22 07:26 AM - Alexander Dunlap

Status: Closed	
Priority: Low	
Assignee:	
Category: Python plugins	
Pull Request or Patch supplied:	Resolution:
Easy fix?: No	Copied to github as #: 17127

Description

It would be great if the Python console showed script output as it were produced by the script, rather than waiting until the script finishes to display the output. This would allow one to monitor the progress of a script more easily. Also, if a script generates an exception, the exception is displayed at the top, above all of the output, which makes it hard to see that there has been an error if the script generates a lot of output.

UPDATE (duplicating bug because I couldn't reopen the old one #8270):

In a nightly build from a few days ago I see that exceptions are now displayed below output but I don't see incremental output. For example, when I run

```
import time
for i in xrange(3):
    time.sleep(1)
    print i
```

in the console, the script waits three seconds and then prints

```
0
1
2
```

rather than waiting 1 second, printing 0, waiting another second, printing 1, etc.

Associated revisions

Revision 3aad6df8 - 2013-07-30 09:06 PM - Alexander J. Dunlap

Update console_output.py

Call `QCoreApplication.processEvents()` after writing to Python console, enabling incremental output from Python scripts. Fixes #8343.

Revision 1302ecbe - 2013-07-31 03:32 AM - Nathan Woodrow

Merge pull request #779 from ajdunlap/patch-1

Call `QCoreApplication.processEvents()` after writing to Python console. Fix #8343

Make console printing safe

References #8343 <https://issues.qgis.org/issues/8343>

History

#1 - 2013-07-30 11:31 AM - Alexander Dunlap

This can be fixed by adding `QCoreApplication.processEvents()` in the `writeOut.write` method in `console_output.py`.

#2 - 2013-07-30 12:09 PM - Alexander Dunlap

Pull request submitted: <https://github.com/qgis/Quantum-GIS/pull/779>

#3 - 2013-07-30 06:32 PM - Nathan Woodrow

- *Status changed from Open to Closed*

Fixed in changeset commit:"1302ecbedff147915b170e2d05eb4c8bb3e5ac0b".