

Application: gvSIG desktop - gvSIG bugs #3976

The Jython console can't be executed

01/02/2016 05:27 PM - Antonio Falciano

Status:	Closed	% Done:	0%
Priority:	Normal	Spent time:	0.00 hour
Assignee:	Joaquín del Cerro Murciano		
Category:	Scripting		
Target version:	2.3.0-2426 (rev. org.gvsig.desktop-2.0.132, NOT USABLE)		
Severity:	Major	Add-on version:	
gvSIG version:	2.3.0	Add-on build:	
gvSIG build:	2413	Add-on resolve version:	
Operative System:		Add-on resolve build:	
Keywords:		Proyecto:	
Has patch:		Hito:	
Add-on name:	Unknown		
Description			
The Jython console can't be executed, because of #3975.			
Related issues:			
Related to Application: gvSIG desktop - gvSIG bugs # 3975: Scripts can't be e...		Closed	01/02/2016
Related to Application: gvSIG desktop - gvSIG feature requests # 4133: Downgr...		Won't fix	02/25/2016

Associated revisions

Revision 580 - 02/27/2016 01:16 PM - Joaquín del Cerro Murciano

refs #3976, patch console.py to allow runing in jython 2.7.1

History

#1 - 01/20/2016 09:20 AM - Joaquín del Cerro Murciano

- Related to gvSIG bugs #3975: Scripts can't be executed because of a wrong sys.path added

#2 - 01/25/2016 06:14 PM - Antonio Falciano

- Target version set to 2.3.0-2447-final (rev. org.gvsig.desktop-2.0.153)

After the fix of #3975, an AttributeError occurs when executing the Jython console in build 2416:

```
ERROR AWT-EventQueue-0 org.gvsig.andami.messages.NotificationManager - org.gvsig.scripting.CompileErrorException: AttributeError: [...]
Caused by: Traceback (most recent call last):
  File "<script>", line 1, in <module>
  File "C:\gvSIG-desktop-2.3.0-2416_x86_64\gvSIG\extensiones\org.gvsig.scripting.app.mainplugin\scripting\lib\console\console.py", line 33, in
<module>
    class Console:
  File "C:\gvSIG-desktop-2.3.0-2416_x86_64\gvSIG\extensiones\org.gvsig.scripting.app.mainplugin\scripting\lib\console\console.py", line 34, in
Console
    PROMPT = sys.ps1
AttributeError: '<reflected field public org.python.core.PyObject o' object has no attribute 'ps1'
```

#3 - 02/25/2016 04:47 PM - Antonio Falciano

The error reported above:

AttributeError: '<reflected field public org.python.core.PyObject o' object has no attribute 'ps1'

was introduced by Jython 2.7. There's an open issue about it:

<https://github.com/don/jythonconsole/issues/33>

Instead, trying to execute the console (jythonconsole-0.0.7) with the old Jython 2.5.3 it works fine.

#4 - 02/25/2016 05:05 PM - Antonio Falciano

I get the impression that the only way to solve this issue is to downgrade again the Jython jar to 2.5.x version. It seems also that the jythonconsole version is a bit outdated (about 2006), so this one could be updated to 0.0.7: version (about 2009). The main advantage is that the code completion looks more stable.

#5 - 02/25/2016 05:58 PM - Antonio Falciano

- File *jython_console.png* added

I've downgraded the Jython jar to 2.5.4-rc1 version and updated jythonconsole to 0.0.7 in a RC1 installation. There's only a simple fix to do in console.py (switch EXIT_ON_CLOSE to DISPOSE_ON_CLOSE at row 416) and it works fine, like in the screenshot in attachment.

#6 - 02/25/2016 06:20 PM - Antonio Falciano

As stated in <https://github.com/don/jythonconsole/issues/33>, jythonconsole works fine until Jython 2.7-rc1. So I've replaced the Jython jar in Scripting and verified that it works also with this configuration (Jython 2.7-rc1, jythonconsole 0.0.7), so this is the best compromise we can reach at the moment.

#7 - 02/27/2016 01:08 PM - Joaquín del Cerro Murciano

- Target version changed from 2.3.0-2447-final (rev. org.gvsig.desktop-2.0.153) to 2.3.0-2426 (rev. org.gvsig.desktop-2.0.132, NOT USABLE)

- Assignee set to Joaquín del Cerro Murciano

Hola Antonio,

siguiendo los enlaces que pones, al parecer sys.ps1 y sys.ps2 solo deben estar definidos en modo interactivo.

Lo que sucede es que la consola de jython es antigua y no se ha actualizado desde hace algun tiempo y no tiene en cuenta alguna de las nuevas especificaciones.

<https://docs.python.org/2/library/sys.html#sys.ps1>

<https://hg.python.org/jython/rev/23c3effa5d4f>

Voy a parchear ligeramente console.py para rodear el problema y podamos seguir trabajando con las ultimas versiones del interprete de jython.

Index: console.py

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--- console.py (revisión: 574)

+++ console.py (copia de trabajo)

@@ -29,6 +29,9 @@

else:

```
print >> sys.stderr, "%s = %s" % (name, value)
```

```
+if not hasattr(sys,"ps1"):
```

```
+ sys.ps1 ='>>> '
```

```
+ sys.ps2 ='... '
```

```
class Console:
```

```
PROMPT = sys.ps1
```

#8 - 02/27/2016 01:09 PM - Joaquín del Cerro Murciano

- Related to *gvSIG* feature requests #4133: Downgrade the Jython standalone jar to 2.7-rc1 version added

#9 - 02/27/2016 01:18 PM - Joaquín del Cerro Murciano

- Status changed from *New* to *Fixed*

#10 - 02/27/2016 04:58 PM - Antonio Falciano

Hi Joaquín,

I've just verified that patching console.py solves the issue without the need to downgrade the Jython jar standalone. Thank you very much.

#11 - 03/14/2016 11:07 AM - Antonio Falciano

- Status changed from *Fixed* to *Closed*

Files

jython_console.png	78.7 KB	02/25/2016	Antonio Falciano
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