

## VisIt - Bug # 1330: VisIt doesn't launch when it is linked to with a symbolic link.

<b>Status:</b>	Pending	<b>Priority:</b>	Normal
<b>Author:</b>	Eric Brugger	<b>Category:</b>	
<b>Created:</b>	02/05/2013	<b>Assigned to:</b>	Eric Brugger
<b>Updated:</b>	02/19/2013	<b>Due date:</b>	
<b>Likelihood:</b>	3 - Occasional		
<b>Severity:</b>	2 - Minor Irritation		
<b>Found in Version:</b>	2.6.0		
<b>OS:</b>	All		
<b>Support Group:</b>	Any		
<b>Subject:</b>	VisIt doesn't launch when it is linked to with a symbolic link.		
<b>Description:</b>	<p>Here is the e-mail describing the failure.</p> <p>Hello</p> <p>The latest version of visit doesn't work when started with any type of a symlink with the following setup:</p> <p>which visit /home/ilja/bin/visit</p> <p>file /home/ilja/bin/visit /home/ilja/bin/visit: symbolic link to `/home/ilja/Tiedostot/Ohjelmat/visit/bin/visit'</p> <p>file /home/ilja/Tiedostot/Ohjelmat/visit/bin/visit /home/ilja/Tiedostot/Ohjelmat/visit/bin/visit: symbolic link to `frontendlauncher'</p> <p>Here's what frontendlauncher from 2.6.1 prints when I insert print progdir, visitdir at the end of # ----- #                   Figure out visitdir # -----  /home/ilja/bin /home/ilja/ There is no current version of VisIt.</p> <p>2.6.0 behaves as reported previously.</p> <p>Ilja</p>		

### History

**02/08/2013 02:28 pm - Cyrus Harrison**

#1318 may have resolved this issue.

**02/19/2013 04:15 pm - Eric Brugger**

- Status changed from New to Pending

- Assigned to set to Eric Brugger

- Target version set to 2.6.2

Here is another e-mail (2/5/2013 11:35PM), which includes a fix.

> We thought we had that fixed for 2.6.1. I will enter a new ticket and

> target the 2.6.2 release.

> Thanks for reporting the error.

The following makes it work for me:

```
ilja@Vaio:~/visit/bin$ diff -u frontendlauncher.old frontendlauncher
--- frontendlauncher.old 2013-02-06 09:28:31.000000000 +0200
+++ frontendlauncher 2013-02-06 09:34:14.000000000 +0200
@@ -111,29 +111,11 @@
 if progdir == "":
     progdir = "."

-# Check if we are called via a symbolic link to visit
-try:
-    link = os.readlink(sys.argv[0])
-    linkdir, linkname = os.path.split(link)
-    if linkname == "visit":
-        if linkdir == "":
-            linkdir = "."
-        progdir += (os.path.sep, linkdir)
-except:
-    # We'll get here if sys.argv[0] was not a link. That can happen in
-    # out of source builds.
-    pass
-
-cwd = os.path.abspath(os.path.curdir)
-if progdir[0] == '/':
-    tmpdir = progdir
-elif progdir == '.':
-    tmpdir = cwd
-else:
-    tmpdir = cwd + os.path.sep + progdir
-visitdir, tmp = os.path.split(os.path.abspath(tmpdir))
-if visitdir[-1] != os.path.sep:
-    visitdir = visitdir + os.path.sep
+frontendpath = os.path.realpath(sys.argv[0]) # visitdir is two
+directories up from frontendlauncher visitdir \
+= os.path.split(os.path.split(frontendpath)[0])[0] \
+ + os.path.sep
```

Ilja