

QGIS Application - Bug report #14255

SVG preview blocks QGIS

2016-02-09 05:01 AM - Paolo Cavallini

<b>Status:</b>	Closed	
<b>Priority:</b>	Severe/Regression	
<b>Assignee:</b>	Nyall Dawson	
<b>Category:</b>	Symbology	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	Debian	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 22251
<b>Description</b>		
When changing a symbol to SVG, or in other instances where SVG preview should be created in vector properties, QGIS takes 100% of CPU, and the system lags for ages, even on a modern machine.		

Associated revisions

Revision c60c4f7f - 2016-10-04 06:55 AM - Nyall Dawson

Fix SVG preview blocks QGIS (fix #14255)

Now SVG preview loading occurs in a background thread so that dialogs can open instantly

Revision 0b683637 - 2016-10-04 11:22 AM - Nyall Dawson

Merge pull request #3565 from nyalldawson/svg\_background

Fix SVG preview blocks QGIS (fix #14255)

Revision ffafafdb - 2016-10-06 01:09 PM - Nyall Dawson

Fix SVG preview blocks QGIS (fix #14255)

Now SVG preview loading occurs in a background thread so that dialogs can open instantly

Also guard against circular symbolic links in SVG selector widget

(cherry-picked from c60c4f7f0ca09dc6bbc8e3f721339a238154ff57)

Revision bb2450ee - 2016-10-06 01:49 PM - Nyall Dawson

Fix SVG preview blocks QGIS (fix #14255)

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(cherry-picked from c60c4f7f0ca09dc6bbc8e3f721339a238154ff57)

## History

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### #1 - 2016-02-09 06:14 AM - Richard Duivenvoorde

Hi Paolo,

can you provide more details to reproduce?

I'm here on Debian testing, but can perfectly fine load a point layer and select one of the svg symbols for it.

### #2 - 2016-02-09 01:03 PM - Giovanni Manghi

- Status changed from Open to Feedback

No problems whatsoever on master on both Ubuntu and Windows. Please try another system and report back. Thanks.

### #3 - 2016-02-10 12:20 AM - Paolo Cavallini

Thanks for the feedback. In this case a packaging/dependency problem seems likely. Anyone on sid?

### #4 - 2016-02-10 01:15 AM - Giovanni Manghi

Paolo Cavallini wrote:

| *Thanks for the feedback. In this case a packaging/dependency problem seems likely. Anyone on sid?*

If I'm not wrong Richard is on sid, and this would suggest a local issue.

### #5 - 2016-02-11 09:11 AM - Paolo Cavallini

Richard is on testing

### #6 - 2016-02-11 10:56 AM - Giovanni Manghi

Paolo Cavallini wrote:

| *Richard is on testing*

have you tried other machines?

### #7 - 2016-03-14 06:35 PM - Nyal Dawson

Paolo- can I close this? No-one else is able to reproduce this issue.

**#8 - 2016-03-14 11:33 PM - Paolo Cavallini**

- Status changed from Feedback to Closed
- Resolution set to worksforme

OK, thanks

**#9 - 2016-07-04 01:24 AM - Jorge Rocha**

- Status changed from Closed to Reopened
- File SVG recursive search fails with circular links.png added

Hi,

This same behavior is happening on 2.14.3 on Ubuntu.

After waiting several minutes for the dialog with the SVG symbols, with the CPU at 100%, I found out the following:

- QGIS is following symbolic links recursively to find SVG symbols to show on the dialog.

There are 3 SVG groups on the style dialog:

- jgr (my account)
- App Symbols
- User Symbols

The problem happens with symbols found in my account.

The path of a symbol, for example, is:

/home/jgr/WebstormProjects/MyDashBoard/server/public/server/public/server/public/server/public/server/public/server/public/server/public/  
server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/s  
r/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/public/seve  
blic/server/public/server/public/server/public/server/public/server/public/server/public/server/public/server/node\_modules/dns/public/css  
ublic/css/fonts/glyphicons-halflings-regular.svg

In my case, in `/home/jgr/WebstormProjects/MyDashBoard/server/public` I have a symbolic link 'public' pointing to '..'.

I think we need to prevent that the search algorithm does not transverses that same link again.

**#10 - 2016-07-04 01:30 AM - Jorge Rocha**

Since the user can edit the SVG path (Settings → Options → System → SVG Path), if I remove the folder with circular links, the problem disappears.

**#11 - 2016-07-05 10:26 PM - Andreas Neumann**

Paolo: I wonder if your issue is the same? Can you please check if there are any circular symbolic links in your SVG paths?

I cannot replicate the issue on Ubuntu 16.04 and self compiled master. But I have no symbolic links in my SVG paths ...

#12 - 2016-07-05 10:26 PM - Andreas Neumann  
- Status changed from Reopened to Feedback

#13 - 2016-07-05 10:45 PM - Paolo Cavallini

No circular ref here.

#14 - 2016-07-05 11:34 PM - Giovanni Manghi  
- Status changed from Feedback to Open  
- Resolution deleted (worksforme)

#15 - 2016-07-25 12:29 AM - Andreas Neumann

Why is this bug still open? Apparently the issue with the accidental home folder is fixed in master and 2.16 and if a user is still affected (s)he can easily remove the home folder from the settings.

Not a big issue in my opinion and we should close this bug.

#16 - 2016-07-25 03:33 AM - Nyall Dawson

I still think this needs to be properly addressed, and make the svg preview run in a non blocking thread.

#17 - 2016-10-03 02:18 AM - Nyall Dawson  
- Assignee set to Nyall Dawson

#18 - 2016-10-03 10:48 PM - Nyall Dawson

PR at <https://github.com/qgis/QGIS/pull/3565> - also fixes the circular symlink issue.

#19 - 2016-10-04 02:23 AM - Nyall Dawson  
- Status changed from Open to Closed

Fixed in changeset commit:"0b683637896f552b13f419f1fcabb9fe9fa2fdea".

Files

SVG_recursive_search_fails_with_circular_links.png	147 KB	2016-07-03	Jorge Rocha
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