

## QGIS Application - Bug report #8027

### qgis-server doesn't understand correctly the relative path

2013-06-08 12:51 PM - aperi2007 -

<b>Status:</b>	Closed	
<b>Priority:</b>	Severe/Regression	
<b>Assignee:</b>		
<b>Category:</b>	QGIS Server	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 16872
<b>Description</b>		
<p>As reported:</p> <p>Using a relative path and putting the db spatialite in the same folder where is the project.</p> <p>The qgis-server don't find the db spatialite.</p> <p>It work only if the path is absolute.</p> <p>I don't know if this was an older and always existent bug.</p> <p>Bug surely if a bad bug because in a server the absolute path is not so easy to establish.</p> <p>So I put it as a blocker bug.</p>		

#### History

##### #1 - 2013-06-09 10:47 PM - Paolo Cavallini

- Category set to QGIS Server

If I understand it correctly, it works here.

##### #2 - 2013-06-13 04:17 AM - René-Luc ReLuc

Can you give us more information :

- How did you defined that QGIS-Server doesn't find spatialite db in relative path ?
- Do you have some test to reproduce the bug ?
- What is the OS of your server ?
- What is the OS of your desktop ?
- What is the version of the Desktop and Server version ?

We propose with LizMap, some examples data in spatialite with relative path and QGIS-Server-master has no problem to find there.

##### #3 - 2013-06-13 04:30 AM - aperi2007 -

I create a db spatialite using the spatialite 4.0 or 4.1

after this I convert it to a spatialite 3.0

On a windows 7 64 bit I create a qgis project using a qgis-dev .

Using relate path and putting the file spatialite 3.0 and the qgis file project in the same path.

In this configuration it work.

After this I send it to a server sending both the qgis project file and the db file in the cgi-bin folder of the webserver.  
In the server there is a cgi of a qgis-server compiled from the same code from GitHub.

When I try to invoke it from my qgis desktop as a layer wms it not respond anything.

If I change manually the path in the qgis project changing it from

```
dbname='./xxxxx.sqlite'
```

to

```
dbname='/home/.../path-tocgi/cgi/xxxxx.sqlite'
```

It start to respond.

#### #4 - 2013-06-13 04:35 AM - René-Luc ReLuc

- What is the OS of your server ?
- Do you have the same problem with other vector data file ?
- Do you use MAP parameter in you're WMS request ?
- Do you look at the GetCapabilities Response in a Web Browser ?
- DO you have the same problem if you move the project in an other directory with the MAP parameter ?

#### #5 - 2013-06-13 05:07 AM - aperi2007 -

What is the OS of your server ?

--> The server OS is RedHat ES6 64 bit.

Do you have the same problem with other vector data file ?

--> I don't know I'm use only spatialites dbfiles. This is the first try to use qgis-server . Usually I use Mapserver.

Do you use MAP parameter in you're WMS request ?

--> yes out call is something like:

<http://www...../cgi-bin/qgis?map=project.qgs>

Do you look at the GetCapabilities Response in a Web Browser ?

--> I guess yes, because I'm using the qgis desktop from a pc client to test the work of wms service.

I know the add layer wms will use the getcapabilities to understand all the layers and the urls.

DO you have the same problem if you move the project in an other directory with the MAP parameter ?

--> I will try this early to properly response to this.

Regards.

#### #6 - 2013-06-14 09:46 AM - aperi2007 -

I tested using a subfolder as relative path.

Still it is not working.

More precisely.

I'm able to connect to the qgis-server wms.

Also I see the right list of layer and also I'm able to add a layer to the canvas.

But I don't see anything as the geometries was fully transparency or null.

Regards.

However this seem to be a problem only of my server .

So I guess this ticket could be closed.

**#7 - 2013-06-14 10:54 AM - aperi2007 -**

- Status changed from Open to Closed

- Resolution set to invalid

I close the ticket this work correctly on other external system, as reported.

So the only possible cause can be an incompatibility between qgis-server (or its spatialite driver) and the RedHat ES 6 64 bit.

However the workaround of absolute path seem to work.

So this is not really a big problem for who use qgis-server on redhat.

**#8 - 2013-06-19 12:40 AM - Paolo Cavallini**

- Subject changed from *qgis-server don't understand correctly the relative path in a spatialite db* to *qgis-server doesn't understand correctly the relative path*

- Status changed from Closed to Reopened

I confirm here in a Debian box, also for shapefile. The following request works:

[http://192.168.0.79/cgi-bin/qgis\\_mapserv.fcgi?map=/usr/lib/cgi-bin/test/test.qgs&#38;SERVICE=WMS&#38;REQUEST=GetMap&#38;BBOX=15,20,50,0&#38;CRS=EPSG:4326&#38;WIDTH=800&#38;HEIGHT=480&#38;LAYERS=comuni&#38;FORMAT=image/png](http://192.168.0.79/cgi-bin/qgis_mapserv.fcgi?map=/usr/lib/cgi-bin/test/test.qgs&#38;SERVICE=WMS&#38;REQUEST=GetMap&#38;BBOX=15,20,50,0&#38;CRS=EPSG:4326&#38;WIDTH=800&#38;HEIGHT=480&#38;LAYERS=comuni&#38;FORMAT=image/png)

while this one does not (returns a white page):

[http://192.168.0.79/cgi-bin/qgis\\_mapserv.fcgi?map=test/test.qgs&#38;SERVICE=WMS&#38;REQUEST=GetMap&#38;BBOX=15,20,50,40&#38;CRS=PSG:4326&#38;WIDTH=800&#38;HEIGHT=480&#38;LAYERS=comuni&#38;FORMAT=image/png](http://192.168.0.79/cgi-bin/qgis_mapserv.fcgi?map=test/test.qgs&#38;SERVICE=WMS&#38;REQUEST=GetMap&#38;BBOX=15,20,50,40&#38;CRS=PSG:4326&#38;WIDTH=800&#38;HEIGHT=480&#38;LAYERS=comuni&#38;FORMAT=image/png)

**#9 - 2013-06-19 10:55 PM - Paolo Cavallini**

- Status changed from Reopened to Closed

So, relative paths to projects are not supported as for now.