

QGIS Application - Feature request #21692

XYZ Tiles base map not working on QGIS Server with GetMap wms request

2019-03-28 07:09 PM - Marco Barbieri

Status:	Open	Resolution: Copied to github as #: 29508
Priority:	Normal	
Assignee:		
Category:	Documentation and Help	
Pull Request or Patch supplied:	No	
Easy fix?:	No	
Description		
I have a project in QGIS desktop with some XYZ Tiles base maps. Everything works fine on desktop version, that is all maps are displayed. I use the same .qgs project on QGIS server and only some base maps work with GetMap request. The following are my requests to the server, divided by maps that work and maps that don't work: These maps work: OpenStreetMap http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=OpenStreetMap&#38;FORMAT=image/png Humanitarian_map: http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=Humanitarian_map&#38;FORMAT=image/png OpenCycleMap http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=OpenCycleMap&#38;FORMAT=image/png Stamen_Terrain http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=Stamen_Terrain&#38;FORMAT=image/png These maps don't work: WebMapp_Tiles http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=WebMapp_Tiles&#38;FORMAT=image/png WikimediaMaps http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetMap&#38;BBOX=1174461,5729736,1175761,5731386&#38;CRS=EPSG:3857&#38;WIDTH=491&#38;HEIGHT=624&#38;LAYERS=WikimediaMaps&#38;FORMAT=image/png		

WaymarkedTrails

http://qgs.webmapp.it/cgi-bin/test/qgis_mapserv.fcgi?MAP=/usr/lib/cgi-bin/test/template_xyz_tiles.qgs&SERVICE=WMS&VERSION=1.3.0&REQUEST=GetMap&BBOX=1174461,5729736,1175761,5731386&CRS=EPSG:3857&WIDTH=491&HEIGHT=624&LAYERS=WaymarkedTrails&FORMAT=image/png

On desktop (MacOS) I have installed QGIS 3.4.5-Madeira

On the server (Debian) I have installed 3.4.5+14stretch

Please find in attachment the Qgis project file.

History

#1 - 2019-03-28 07:36 PM - Giovanni Manghi

- Category changed from Web Services clients/XYZ to QGIS Server

#2 - 2019-04-01 08:15 AM - Paolo Cavallini

- File template_xyz_tiles.zip added

I confirm the issue, see attached project.

#3 - 2019-04-01 05:34 PM - René-Luc ReLuc

In the example provided by Paolo, the working layers are in HTTP the others are in HTTPS.

To fix it, you have to update QGIS2.ini or QGIS3.ini to configure the proxy section.

```
[proxy]
proxyEnabled=true
proxyHost=
proxyPort=8080
proxyUser=
proxyPassword=
proxyType=HttpProxy
proxyExcludedUrls=
```

And to add QGIS_OPTIONS_PATH in the server configuration to provide the directory in which QGIS Server will find QGIS2.ini or QGIS3.ini

I think the QGIS docs could be updated.

#4 - 2019-04-02 01:28 PM - Giovanni Manghi

René-Luc ReLuc wrote:

In the example provided by Paolo, the working layers are in HTTP the others are in HTTPS.

To fix it, you have to update QGIS2.ini or QGIS3.ini to configure the proxy section.

```
[proxy]
proxyEnabled=true
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```

```
proxyPort=8080
proxyUser=
proxyPassword=
proxyType=HttpProxy
proxyExcludedUrls=
```

And to add `QGIS_OPTIONS_PATH` in the server configuration to provide the directory in which QGIS Server will find `QGIS2.ini` or `QGIS3.ini`

I think the QGIS docs could be updated.

this is an important "tip", we should file a ticket in the documentation repository to not forget about adding it.

#5 - 2019-04-12 05:57 PM - Paolo Cavallini

Unfortunately, it still does not work; from apache2 error log:

```
QSqlDatabasePrivate::database: unable to open database: "unable to open database file Error opening database"
ERROR: Opening of authentication db FAILED
QSqlQuery::prepare: database not open
WARNING: Auth db query exec() FAILED
```

#6 - 2019-04-12 06:18 PM - Paolo Cavallini

- Category changed from *QGIS Server* to *Documentation and Help*
- Tracker changed from *Bug report* to *Feature request*

Solved:

```
mkdir /var/www/authdb
chown www-data /var/www/authdb
/etc/apache2/mods-enabled/fcgid.conf
FcgidInitialEnv QGIS_AUTH_DB_DIR_PATH /var/www/authdb/
service apache2 restart
```

Documentation should be updated.

Files

template_xyz_tiles.qgs	34.8 KB	2019-03-28	Marco Barbieri
template_xyz_tiles.zip	5.69 KB	2019-04-01	Paolo Cavallini