

2017 Dec 15

Installing Apache, QGIS Server, and Lizmap Web Client on Windows OS

See Updated New Posting with screenshots and updated for Apache 2.4.33, QGIS Server LTR 2.18.21 and Lizmap Web Client 3.1.12

This post is my notes on the process/procedures I went through to install QGIS Server, Lizmap Web Client (Lizmap WC), and Apache on a Windows 10 x64 laptop and Windows Server 2012 R2 machine. For the most part I followed the instructions on Lizmap site, [Installing Lizmap Web Client on Windows](#) (last accessed 6/13/2017), however the instructions there seems like it hasn't been updated in a while and some things didn't quite work as expected when I tried them. So, this blog post is my version of those instructions including notes on what I did to make all the components work. A look at the demo is shown below with notes/instructions below if you want to try it yourself. Sorry there are no screenshots.

Lizmap Web App Demo Slides



Requirements/Software used:

- Lizmap WC and QGIS Server must be on same machine
- QGIS Server LTR 2.14 (installed via OSGeo4W x64)

- QGIS Desktop (installed via OSGeo4W x64)
- Lizmap Web Plugin (installed via QGIS desktop plugin manager)
- Lizmap Web Client 3.1.1 – download link
- Apache 2.4
 - Mod fcgid
 - C++ Redistributable VS 2015
 - PHP 7.1

For my test on my Windows 10 laptop, I have everything on the same machine. But on the Windows Server 2012 machine, I have QGIS Desktop with Lizmap Web Plugin on a different machine. For my installation I put Apache and Lizmap side-by-side inside a C:/webserver directory. You can however, put your installations inside of Apache root directory (e.g. C:/Apache24/Lizmap) or inside Apache htdocs directory (e.g. C:/Apache24/htdocs/lizmap). If installation of lizmap and Apache are side by side or lizmap is inside Apache root directory then you need to properly configure the virtual hosts.

Part 1: Apache 2.4 Server Installation and Configuration

For more info on installing Apache on Windows, see:

<https://httpd.apache.org/docs/2.4/platform/windows.html#winsvc>

1. Create a webserver directory on C: Drive (e.g. C:\webserver)
2. Go to apachelounge.com/download page
3. Download Apache 2.4 httpd-2.4.25-win64-VC14.zip

You should read the read me file for more info on installing Apache.

4. Download mod-fcgid-2.3.9-win64-VC14.zip – make sure this matches you Apache download above (e.g. xxx-win64-VC14)
5. Download C++ Redistributable VS 2015 – the link to vc_redist_x64/86.exe is broken when I tried it on 6/12/2017. You can try this link here: <https://www.microsoft.com/en-us/download/details.aspx?id=52685>

Note: The Visual C Redistributable Package is needed to run Apache HTTPD as a Windows Service but the version required will depend on which binary you are installing: If you are installing Apache 2.4 VC14 then you need Microsoft Visual Studio C 2015 Redistributable

6. Install C++ VS 2015 (vc_redist.x64.exe) that you downloaded.

7. Unzip or extract from `httpd-2.4.25-win64-VC14.zip` to `C:\webserver` folder (e.g. `C:\webserver\Apache24`)
8. Unzip or extract from `mod_fcgid-2.3.9-win64-VC14.zip` to `C:\webserver\Apache24\modules` folder
9. Open the Apache configuration file: `C:\webserver\Apache24\conf\httpd.conf` in a text editor (I use Notepad++)
 - Replace all occurrences of `c:/Apache24` to `c:/webserver/Apache24`
 - Find “ServerName” – this should be `ServerName localhost:80` (if using default port 80) or if not using default port then it should be `ServerName localhost:port` (e.g. `ServerName localhost:90`)
 - Change the default port if needed. Find “Listen 80” to `Listen port` (e.g. `Listen 90`). You need to use a port that is not already in used by another service.
 - Find “DirectoryIndex index.html” and add `index.php` (e.g. `DirectoryIndex index.html index.php`)
 - Save and close the file when done
10. Check to see if Apache will start:
 - Open the Command Prompt window: type `cmd` and run it as administrator
 - Command window: Type in `C:\webserver\Apache24\bin\httpd.exe`
 - Notice of Windows Firewall popup: Allow Access for All

Note from Lizmap Installation docs: If a popup didn't display, it probably means you have an anti-virus software managing your firewall in which case you will need to allow the Apache service. Also you may need to add port 80 or whatever port you use as inbound/outbound port in Advanced Windows Firewall Properties (Control Panel >> Administrative Tools >> Windows Firewall with Advanced Security)

Note: On Windows 10 laptop the popup showed and on Windows Server 2012 R2 I didn't get a popup. However, when I opened `http://localhost` in web browser it works.

- Open a web browser and type in `http://localhost` if using default port 80 or `localhost:port` if using a different port (e.g. `http://localhost:90`)

You should see a webpage with “It Works” – this means Apache is installed correctly

- Back in the Command Prompt window: `Ctrl + C` to stop Apache. This may take a few seconds.

11. Append Apache to your Windows System Path so you can directly access Apache by typing `httpd.exe` instead of the full path to the exe.

12. Start Apache as windows service: <https://httpd.apache.org/docs/2.4/platform/windows.html#winsvc>

- In Command Prompt window: cmd (as administrator)
- To install Apache as a service: httpd.exe -k install
- Check windows services to see that Apache is installed and started
- Stop Apache for now if it's started – you'll configure it and then restart later

13. Open the Apache configuration file: C:\webserver\Apache24\conf\httpd.conf in a text editor. Enable the following modules by uncommenting or removing the # character.

Note: if you don't see the module already in the file then you need to type it in

- LoadModule actions_module modules/mod_actions.so
- LoadModule deflate_module modules/mod_deflate.so
- LoadModule expires_module modules/mod_expires.so
- LoadModule ext_filter_module modules/mod_ext_filter.so
- LoadModule fcgid_module modules/mod_fcgid.so
- LoadModule headers_module modules/mod_headers.so
- LoadModule ident_module modules/mod_ident.so
- LoadModule rewrite_module modules/mod_rewrite.so
- LoadModule ssl_module modules/mod_ssl.so

Note: If you are using a different port than the default 80 then you need to also enable these modules as well.

- LoadModule cache_module modules/mod_cache.so
- LoadModule cache_disk_module modules/mod_cache_disk.so
- LoadModule proxy_module modules/mod_proxy.so
- LoadModule proxy_connect_module modules/mod_proxy_connect.so
- LoadModule proxy_fcgi_module modules/mod_proxy_fcgi.so
- LoadModule proxy_http_module modules/mod_proxy_http.so

Add the following code to the end of the httpd configuration file:

```
<IfModule mod_deflate.c>  
SetOutputFilter DEFLATE
```

```
BrowserMatch ^Mozilla/4 gzip-only-text/html
BrowserMatch ^Mozilla/4\\.0[678] no-gzip
BrowserMatch \\bMSIE !no-gzip !gzip-only-text/html
SetEnvIfNoCase Request_URI \\.(?:gif|jpe?g|png|rar|zip)$ no-gzip dont-vary
Header append Vary User-Agent env=!dont-vary
</IfModule>
```

14. Save the changes to httpd.conf file then restart Apache

Part 2: PHP 7.1 Configuration

Note: Lizmap Web Client require at least PHP version 5.4. Also make sure you use the non-thread safe file

1. Go to [PHP downloads page](#) and download the appropriate file for your OS and Apache version installed earlier – I install VC14 x64 non-thread safe file, php-7.1.6-nts-Win32-VC14-x64.zip
2. Unzip or extract the zipped file contents to your php directory (e.g. C:\webserver\php-7.1). Create the php folder if you need to inside the main webserver directory)
3. Make a backup copy of C:\webserver\php-7.1\php.ini-production just in case. Then rename it to php.ini
4. Open C:\webserver\php-7.1\php.ini in a text editor
 - Uncomment out the extension_dir = “ext” to say the following (this is the path to your php ext folder) extension_dir = “C:\webserver\php-7.1\ext”
 - Enable the following php modules:
 - extension=php_curl.dll
 - extension=php_fileinfo.dll
 - extension=php_gd2.dll
 - extension=php_mbstring.dll
 - extension=php_pdo_pgsql.dll
 - extension=php_pdo_sqlite.dll
 - extension=php_pgsql.dll
 - extension=php_sqlite3.dll
 - Find where it says upload_max_filesize and change to 15M

- Find where it says `post_max_size` and change to 15M

5. Save the `php.ini` file
6. Add PHP to your Windows System Path
7. Open Command Prompt window: check PHP is correctly declared in System Path. Type `php-m`
8. In Command Prompt window: check Apache configuration. Type `httpd -S`
9. Create a php configuration in Apache for using PHP.

- Open a new file in a text editor then put in the following code:

```
FcgidInitialEnv PHPRC "C:\\webserver\\php-7.1"
<FilesMatch \\.php$>
AddHandler fcgid-script .php
FcgidWrapper "C:/webserver/php-7.1/php-cgi.exe" .php
</FilesMatch>
```

- Save the file as `php-7.1.conf` in `C:\webserver\Apache24\conf\extra`

10. Open `C:\webserver\Apache24\conf\httpd.conf` in text editor

- Uncomment out the line to include virtual host configuration file and save the file

```
Include conf/extra/httpd-vhosts.conf
```

11. Open `C:\webserver\Apache24\conf\extra\httpd-vhosts.conf` in text editor

At the end of the file copy and paste following code:

Note: change the port if using something other than 80

```
<VirtualHost *:80>
Include conf/extra/php-7.1.conf
ServerName localhost
DocumentRoot "C:/webserver/lizmap/"

<Directory "C:/webserver/lizmap">
Options -Indexes +FollowSymLinks +ExecCGI
```

```
AllowOverride All
Require all granted
</Directory>

CustomLog "logs/lizmap-access.log" common
ErrorLog "logs/lizmap-error.log"
</VirtualHost>
```

12. Create Lizmap folder inside the webserver directory (e.g. C:\webserver\lizmap)
13. Create a text file with the following code and save as index.php inside lizmap directory (e.g. C:\webserver\lizmap\index.php)

```
php <?php phpinfo(); ?>
```

14. Restart Apache service
15. Open a web browser and type in http://localhost/index.php (don't forget to include the port if you are using something other than default 80 – e.g. http://localhost:90/index.php)

You should get a webpage with the PHP information.

Note: If you are getting a 403 Forbidden Access Error. Open the
C:\webserver\Apache24\conf\httpd.conf

In a text editor and change the access permission to your server's filesystem to Require all granted.
Save the file and restart Apache service then try to access index.php again.

```
225 # Deny access to the entirety of your server's filesystem. You must
226 # explicitly permit access to web content directories in other
227 # <Directory> blocks below.
228 #
229 <Directory />
230     AllowOverride none
231     #Require all denied
232     Require all granted
233 </Directory>
```

Part 3: QGIS Server Installation and Configuration

I installed QGIS Server using OSGeo4W installer x64 version – download on QGIS site or on OSGeo4W site. Lizmap Web Client doesn't work properly with the newer versions of QGIS Server, so you must use the LTR 2.14.

Note: When I installed QGIS desktop and server LTR 2.14 via the Advanced Setup – I had issues with QGIS starting up properly (something about missing components), even though the installation itself didn't give me any errors. So I uninstalled and started fresh with Express Setup first then Advanced Setup and that resolved my issues.

Express Setup

- Run the installer: Select Express Setup
- Install from Internet
- Root Directory: use default (C:\OSGeo4W64) and install for all users
- Keep default Local Package Directory and Start Menu Name
- Select the Packages: GDAL, Grass, QGIS Desktop
- Install software dependencies required and let installation complete.

Advanced Setup

- Run the installer again: Select Advance Setup
- Install from Internet
- Keep Root Directory default and install for all users
- Keep default Local Package Directory and Start Menu Name
- Select these Packages:
 - Commandline_Uilities: GDAL
 - Desktop: QGIS LTR 2.14 full
 - Libs: fcgi
 - Optional Lib: filegdb (only if you want to be able to use ESRI's file gdb)
 - Web: QGIS Server LTR 2.14
- Resolve Unmet Dependencies: Install the required dependencies, accept license agreements, and allow installation to complete
- After installation completes, check in C:\OSGeo4W64\apps\qgis-ltr\bin folder to make sure these files are in there.

- qgis_mapserv.fcgi.exe
- qgis_server.dll
- wms_metadata.xml

Part 4: QGIS Server Configuration

1. Open C:\webserver\Apache24\conf\extra\httpd-vhosts.conf in text editor and modified to contain this content:

Note: change host port if needed if other then 80

```
<VirtualHost *:80>
    Include conf/extra/php-7.1.conf
    ServerName localhost

# Lizmap Production
DocumentRoot "C:/webserver/lizmap/prod/"
<Directory "C:/webserver/lizmap/prod/">
    Options -Indexes +FollowSymLinks +ExecCGI
    AllowOverride All
    Require all granted
</Directory>

# LizMap Pre-production
Alias /preprod/ "C:/webserver/lizmap/preprod/"
<Directory "C:/webserver/lizmap/preprod/">
    Options -Indexes +FollowSymLinks +ExecCGI
    AllowOverride All
    Require all granted
</Directory>

Alias /qgis/ "C:/OSGeo4W64/apps/qgis-ltr/bin/"
<Directory "C:/OSGeo4W64/apps/qgis-ltr/bin/">
    SetHandler fcgid-script
    Options +ExecCGI
    AllowOverride All
    Require all granted
```

```
</Directory>
```

```
Alias /document/ "C:/webserver/data/document/"
```

```
<Directory "C:/webserver/Data/document/">
```

```
Options -Indexes +FollowSymLinks
```

```
AllowOverride All
```

```
Require all granted
```

```
</Directory>
```

```
CustomLog "logs/lizmap-access.log" common
```

```
ErrorLog "logs/lizmap-error.log"
```

```
</VirtualHost>
```

2. Save changes in file
3. Open C:/webserver/Apache24/conf/extra/php-7.1.conf and modify to contain this content:

```
FcgidInitialEnv PHPRC "C:\\webserver\\php-7.1"
```

```
FcgidInitialEnv PATH "C:\\OSGeo4W64\\bin;C:\\OSGeo4W64\\apps\\qgis-  
ltr\\bin;C:\\OSGeo4W64\\apps\\grass\\grass-
```

```
7.2.1\\lib;C:\\OSGeo4W64\\apps\\grass\\grass-
```

```
7.2.1\\bin;C:\\Windows\\system32;C:\\Windows;C:\\Windows\\System32\\WBem"
```

```
FcgidInitialEnv QT_PLUGIN_PATH "C:\\OSGeo4W64\\apps\\qgis-  
ltr\\qtplugins;C:\\OSGeo4W64\\apps\\Qt4\\plugins"
```

```
FcgidInitialEnv PYTHONHOME "C:\\OSGeo4W64\\apps\\Python27"
```

```
FcgidInitialEnv PYTHONPATH "C:\\OSGeo4W64\\apps\\qgis-  
ltr\\.\\python;C:\\OSGeo4W64\\apps\\qgis-  
ltr\\.\\python\\plugins;C:\\OSGeo4W64\\apps\\Python27\\DLLs;C:\\OSGeo4W64\\apps\\Python  
27\\lib;C:\\OSGeo4W64\\bin;C:\\OSGeo4W64\\apps\\Python27;C:\\OSGeo4W64\\apps\\Python27  
\\lib\\site-packages"
```

```
FcgidInitialEnv QGIS_SERVER_LOG_LEVEL 0
```

```
FcgidInitialEnv QGIS_SERVER_LOG_FILE
```

```
"C:\\webserver\\Apache24\\logs\\qgis_server.log"
```

```
FcgidIOTimeout 120
```

```
FcgidInitialEnv LC_ALL "en_US.UTF-8"
```

```

FcgidInitialEnv PYTHONIOENCODING UTF-8
FcgidInitialEnv LANG "en_US.UTF-8"
FcgidInitialEnv QGIS_DEBUG 1
FcgidInitialEnv QGIS_SERVER_LOG_FILE
"C:\\webserver\\Apache24\\logs\\qgis_server.log"
FcgidInitialEnv QGIS_SERVER_LOG_LEVEL 0
FcgidInitialEnv QGIS_PLUGINPATH "C:\\OSGeo4W64\\apps\\qgis-ltr\\python\\plugins"

SetEnvIf Request_URI ^/qgis QGIS_PREFIX_PATH "C:\\OSGeo4W64\\apps\\qgis-ltr"
SetEnvIf Request_URI ^/qgis TEMP "C:\\Windows\\Temp"

SetEnvIf Request_URI ^/qgis GDAL_DATA "C:\\OSGeo4W64\\share\\gdal"
SetEnvIf Request_URI ^/qgis GDAL_DRIVER_PATH "C:\\OSGeo4W64\\bin"
SetEnvIf Request_URI ^/qgis PDAL_DRIVER_PATH "C:\\OSGeo4W64\\bin"
SetEnvIf Request_URI ^/qgis GDAL_SKIP "JP2ECW"
SetEnvIf Request_URI ^/qgis PROJ_LIB "C:\\OSGeo4W64\\share\\proj"

<FilesMatch \.php$>
AddHandler fcgid-script .php
FcgidWrapper "C:/webserver/php-7.1/php-cgi.exe" .php
</FilesMatch>

```

4. Save the file
5. Restart Apache service
6. Open a web browser and type in `http://localhost/qgis/qgis_mapserv.fcgi.exe` - include the port after localhost if you're using something different than the default port (e.g. `http://localhost:90/qgis/qgis_mapserv.fcgi.exe`)

You will most likely get a page where it says Service unknown or unsupported

Try typing in the following in a browser:

`http://localhost:90/qgis/qgis_mapserv.fcgi.exe?`

`SERVICE=WMS&VERSION=1.3.0&REQUEST=GetCapabilities`

`http://localhost:90/qgis/qgis_mapserv.fcgi.exe?SERVICE=WMS&REQUEST=GetCapabilities`

If you get something back that isn't an error then you are ok – means QGIS Server installed properly and you can call WMS Get Capabilities

Part 5: Lizmap Web Client Installation and Configuration

Using Lizmap Web Client 3.1.1 Other versions like 3.0.x or Master did not work for me. When I did install version 3.0.x the Lizmap demo site wouldn't load in the web browser. Also for this portion I have several directories and subfolders for production and preproduction work on my server.

1. Download [Lizmap Web Client](#) – I used lizmap-web-client-3.1.1.zip.
2. Create in C:\webserver\lizmap directory, 2 new folders for your production and preproduction work

C:\webserver\lizmap\prod

C:\webserver\lizmap\preprod
3. Create in C:\webserver directory a new cache directory to hold 2 new subfolders: prod and preprod

C:\webserver\cache\prod

C:\webserver\cache\preprod
4. Unzip or extract lizmap-web-client-3.1.1.zip to C:\webserver\lizmap\prod directory. So what you end up having is C:\webserver\lizmap\prod\lizmap-web-client-3.1.1
5. Open C:/webserver/Apache24/conf/extra/httpd-vhosts.conf in text editor and modified the section to the virtual host to point to C:/webserver/lizmap/prod/lizmap-web-client-3.1.1/lizmap/www folder

Note: change host port if needed if other then 80

```
<VirtualHost *:80>
```

```
Include conf/extra/php-7.1.conf
```

```
ServerName localhost
```

```
# Lizmap Production
```

```
DocumentRoot " C:/webserver/lizmap/prod/lizmap-web-client-3.1.1/lizmap/www/"
```

```
<Directory " C:/webserver/lizmap/prod/lizmap-web-client-3.1.1/lizmap/www/">
```

```
Options -Indexes +FollowSymLinks +ExecCGI
```

```
AllowOverride All
```

```
Require all granted
```

```
</Directory>
```

```
# LizMap Pre-production
```

```
Alias /preprod/ "C:/webserver/lizmap/preprod/lizmap-web-client-3.1.1/lizmap/www/"
```

```
<Directory "C:/webserver/lizmap/preprod/lizmap-web-client-3.1.1/lizmap/www/">
```

```
Options -Indexes +FollowSymLinks +ExecCGI
```

```
AllowOverride All
```

```
Require all granted
```

```
</Directory>
```

6. Save your changes
7. Restart Apache service
8. Open the Command Prompt window (run as Administrator) and type in the following lines:

```
cd C:\\webserver\\lizmap\\prod\\lizmap-web-client-3.1.1\\  
cd lizmap/var/config  
copy lizmapConfig.ini.php.dist lizmapConfig.ini.php  
copy localconfig.ini.php.dist localconfig.ini.php  
copy profiles.ini.php.dist profiles.ini.php  
cd ../../..
```

9. Keep the Command Prompt window open.
10. Open C:\webserver\lizmap\prod\lizmap311\lizmap\var\config\ localconfig.ini.php in a text editor and include the following code (if you want to install the lizmap demo websites) – make sure you have admin rights to modify and save this file (e.g. run notepad++ as Administrator then modify and save changes).

```
[modules]
```

```
lizmap.installparam=demo
```

11. Save your changes and close file
12. Back in the Command Prompt window: launch lizmap installation. After installation completes, close the command prompt window.

```
cd C:\webserver\lizmap\prod\lizmap-web-client-3.1.1\
php lizmap/install/installer.php
```

14. In the Lizmap home page, click the Connect button on the top right - or go to <http://localhost/admin.php>

- Login with default username = admin, password = admin
- Change password
- Lizmap Configuration menu: Modify the input as follows and then Save new configuration
- WMS Server URL: http://127.0.0.1/qgis/qgis_mapserv.fcgi.exe
- Cache root directory: C:/webserver/cache/prod/

15. From the Administrator page, you can click on the Project and view the Montpellier – Transport demo. Click Load the Map button. Or you can just type in <http://localhost/index.php/view/map/?repository=montpellier&project=montpellier>

You should see the demo Montpellier web application.

16. If you go to your website: <http://xx.xx.xx/index.php> you should also be able to see the demo application.

Lizmap Folder Organization (optional)

1. Create Lizmap directories for organizing production and preproduction work. Create the directories via a *.bat file (e.g. write the following lines into a text editor and save as with .bat extension, such as CreateLZDir.bat). The examples below are directories for a main webapp directory with subfolders for map repositories in a prod and preprod environments.

```
mkdir C:\webserver\webapp\common\
mkdir C:\webserver\webapp\document\
mkdir C:\webserver\webapp\document\svg\
mkdir C:\webserver\webapp\prod\
mkdir C:\webserver\webapp\prod\maprep\
mkdir C:\webserver\webapp\prod\maprep\data
mkdir C:\webserver\webapp\prod\maprep\data\vector
mkdir C:\webserver\webapp\prod\maprep\data\raster
mkdir C:\webserver\webapp\prod\maprep\media\
mkdir C:\webserver\webapp\prod\maprep\media\js\
mkdir C:\webserver\webapp\prod\maprep\media\image\
mkdir C:\webserver\webapp\preprod
```

```
mkdir C:\webserver\webapp\preprod\maprep\  
mkdir C:\webserver\webapp\preprod\maprep\data  
mkdir C:\webserver\webapp\preprod\maprep\data\vector  
mkdir C:\webserver\webapp\preprod\maprep\data\raster  
mkdir C:\webserver\webapp\preprod\maprep\media\  
mkdir C:\webserver\webapp\preprod\maprep\media\js\  
mkdir C:\webserver\webapp\preprod\maprep\media\image\
```

2. Save your *.bat file (e.g. createDir.bat) and then run it in the Command Prompt window.

- In the Command Prompt window: cd into your directory that contains the *.bat file
- Run the *.bat file

SVG and QGIS Server Bug:

I'm not sure if this still holds true or not, but not a bad idea to do it.

In Apache you need to Add a vhost to publish SVG and images files via HTTP this will avoid the bug in QGIS Server under Windows which cannot display SVG icon when you have a relative path. Create a folder to contain the svg files then modify C:/webserver/Apache24/conf/extra/httpd-vhosts.conf . Add the codes before the CustomLog portion.

```
Alias /document/ "C:/webserver/webapp/document/"  
<Directory "C:/webserver/webapp/document/">  
Options -Indexes +FollowSymLinks  
AllowOverride All  
Require all granted  
</Directory>
```

Save and restart Apache service. Check if you can add svg file in the folder

C:/webserver/webapp/document/svg then access it via http://localhost/document/svg/my_icon.svg and use it as the SVG path in the style properties of a vector layer.

After you have the installation set up, see the [LizWeb Map Client Documentation](#) on how to create your maps in QGIS and web application.

Comments (9)

Newest First

Hubert 6 years ago · 0 Likes

Hello,

I am trying to install my QGIS server but I failed when I added the PHP module in the httpd.config, I got the following error message "C:\Webserver\Apache2\bin>httpd -k start
httpd: Syntax error on line 503 of C:/Webserver/Apache2/conf/httpd.conf: Cannot load
C:/Webserver/php7/php7apache2_4.dll into server: The specified procedure could not be found.". I followed a good number of tutorials including this one but yet I could not figure out what was wrong with my configuration. Actually, I have wamp installed for my normal websites, and now installing Apache2.4, PHP-7.4.7. Many had the similar problem and were able to fix it, I don't know why I can't

Thomas 8 years ago · 0 Likes

Hi! This is a really great manual, it works perfectly and I was able to set up the whole thing within two hours. :-)
Thank you!

I used (and adapted to) apache 2.4.33, php 7.2.7, QGIS server 2.18.21 and lizmap 3.1.12

Just two little notes: In Part 5 No5. it should be "C:\webserver\Apache24\conf\extra\httpd-vhosts.conf", right?

And No14. the working WMS Server URL in the lizmap config for me is:

http://localhost/qgis/qgis_mapserv.fcgi.exe - otherwise "server error!" came up.

Stephanie Saephan 8 years ago · 0 Likes

Hi Thomas,

I'm glad to hear you were able to use this guide to get your own GIS server working. Also thanks for your notes on how you adapted it and how it worked out for you.

Take Care.

ViriHeps 8 years ago · 0 Likes

Hi, I'm in part 4 point 6, when I look up the URL `http://localhost:8081/qgis/qgis_mapserv.fcgi.exe` I get the following:

Not Found

The requested URL `/qgis/qgis_mapserv.fcgi` was not found on this server.

Could you help me? please :)

Stephanie Saephan 8 years ago · 0 Likes

Hi,

I noticed that in your comment your URL has spaces in it. Try it with no space in the URL like so:

`http://localhost:8081/qgis/qgis_mapserv.fcgi.exe`

You will most likely get a page where it says Service unknown or unsupported.

Try typing in the following in a browser:

`http://localhost:8081/qgis/qgis_mapserv.fcgi.exe?`

`SERVICE=WMS&VERSION=1.3.0&REQUEST=GetCapabilities`

or

`http://localhost:8081/qgis/qgis_mapserv.fcgi.exe?SERVICE=WMS&REQUEST=GetCapabilities`

If you get something back that isn't an error then you are ok – means QGIS Server installed properly and you can call WMS Get Capabilities. Then continue on with the rest of the setup.

I hope this helps.

ViriHeps 8 years ago · 0 Likes

Thank you very much :), I still have the same error, I think it's the version of Qgis LTR, I could not find the installer version 2.14, it just gives me the option of 2.18

Stephanie Saephan 8 years ago · 0 Likes

Oh....Sorry to hear it's not working for you. I haven't tried with QGIS LTR 2.18 so I can't help you with this issue. You can get older versions of QGIS at this link:
<http://download.osgeo.org/qgis/>

If you do get it working with QGIS 2.18 LTR let me know.

Prisma 9 years ago · 0 Likes

Part 4: QGIS Server Configuration

Open C:\webserver\Apache24\conf\extra\httpd-vhosts.conf in text editor and modified to contain this content:

What does it mean? I have to copy the text to the end of the file httpd-vhosts.conf or completely delete the file content and replace with the text given.

Stephanie Saephan 9 years ago · 0 Likes

Hi -

Sorry that was not very clear - these are notes I took on the installation process. Open your httpd-vhosts.conf file in a text editor and compared it with what is in my notes and modified the portion that's needed - especially the file paths to your directories and change the default port if needed. Hope that helps. Good luck with the installation.

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