Installation on Raspberry PI4

donderdag 6 mei 2021   21:09

I found this post on ChartDirector Support page
ChartDirector Support - View Thread 1431694677

"
Hi isan,

Due to low demand, we probably will not formally supported ChartDirector on ARM. Currently, the followings are some of the unsupported versions on our web site that are suitable for Raspberry Pi:

C++
http://www.advsofteng.com/chartdir_cpp_linux_armhf.tar.gz

PHP
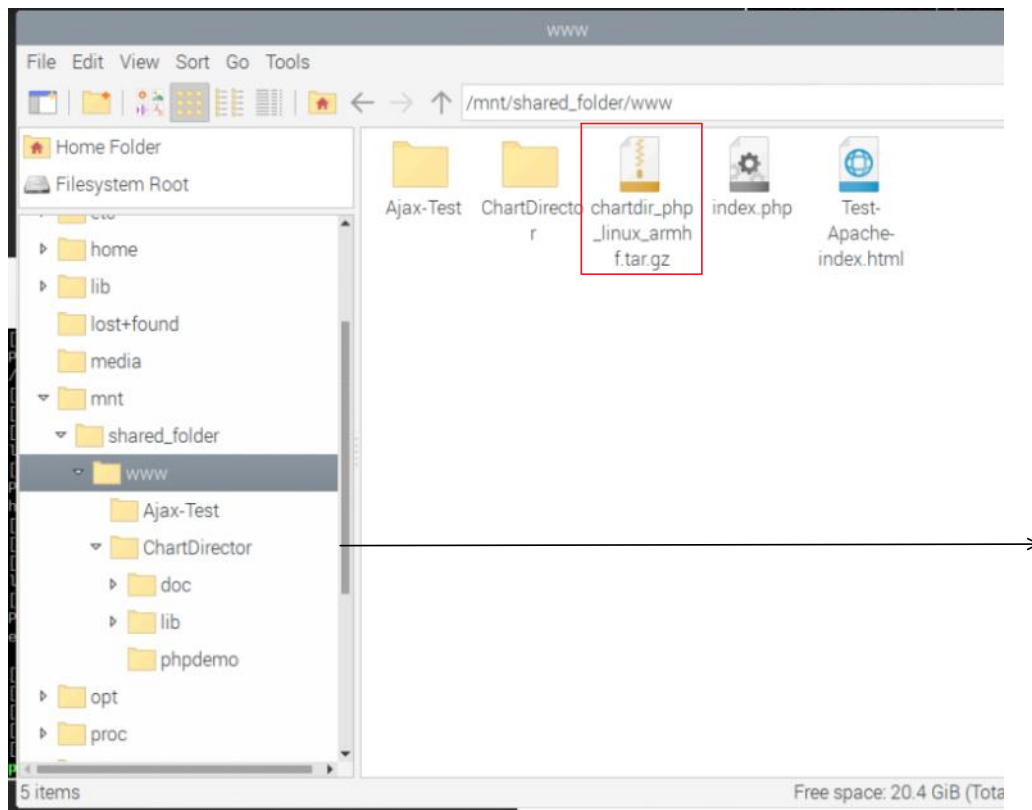http://www.advsofteng.com/chartdir_php_linux_armhf.tar.gz

Python
http://www.advsofteng.com/chartdir_python_linux_armhf.tar.gz

Regards
Peter Kwan "

Downloading this file on the raspberry Pi in the www webserver location.

For me this is in directory /mnt/shared_drive/www
This is not the default location of the apache webserver, i changed it.

Unpack the *gz file here
sudo tar zxvf chartdir_php_linux_armhf.tar.gz

A Directory 'ChartDirector' is created under www

Copy the contents of ChartDirector/lib to the php extension_dir

Yo can find this directory in the output of phpinfo();
Create index.php file under the www folder of your websever with following contents
echo "<?php phpinfo ();?>"

Run this file by entering in a webbrower the IP adres of you raspberry file

You should get something like this

PHP Version 7.3.19-1~deb10u1

System	Linux Rb-Pi4-Webserver 5.4.83-v7l+ #1379 SMP Mon Dec 14 13:11:54 GMT 2020 armv7l
Build Date	Jul 5 2020 06:46:45
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.3/apache2
Loaded Configuration File	/etc/php/7.3/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.3/apache2/conf.d
Additional .ini files parsed	/etc/php/7.3/apache2/conf.d/10-mysqlnd.ini, /etc/php/7.3/apache2/conf.d/10-opcache.ini,

This php.ini file we need later

error_reporting	22527	22527
expose_php	Off	Off
extension_dir	/usr/lib/php/20180731	/usr/lib/php/20180731
file_uploads	On	On
hard_timeout	2	2
highlight.comment	#FF8000	#FF8000
highlight.default	#0000BB	#0000BB

pi@Rb-Pi4-Webserver:/mnt/shared_folder/www/ChartDirector/lib $ sudo cp -fr *.* /usr/lib/php/20180731/
pi@Rb-Pi4-Webserver:/mnt/shared_folder/www/ChartDirector/lib $ sudo cp -fr * /usr/lib/php/20180731/

Add chartdirector dll in php ini file
Cd /etc/php/7.3/apache2
Sudo nano php.ini

Add following contens under mysql.so   info

```
;    extension=/path/to/extension/mysqli.so

; ChartDirector activation
; DAG: 5-Mei-2021
extension=/usr/lib/php/20180731/phpchartdir730.dll
; Note : The syntax used in previous PHP versions ('extension=<ext>.so' and
; 'extension='php_<ext>.dll') is supported for legacy reasons and may be
```

Restart apache server
sudo systemctl reload apache2

If you enter raspberry IP adres in your brower you should see ChartDirector PHP API info

calendar

Calendar support	enabled

ChartDirector PHP API

ChartDirector Version	6.3.0

Core

PHP Version	7.3.19-1~deb10u1

Directive	Local Value	Master Value
allow_url_fopen	On	On

In case you do not this, you can look in apache error logfile for any clues.
Cd /var/log/apache2
Cat error.log