Guide to use this web site in parallel to the regular SkyView GUI from FlightAware

20190817/BM

Login to your RasPi.

You may be now in /home/pi or the like

Stop the http daemon

$ sudo service lighttpd stop

## Preparing files

Create a staging folder:

$ mkdir stage

Copy all of the content of site-data into this folder (use WinSCP or a similar handy tool to transfer files or get it via RasPi Browser directly).

You should now have something like

stage/app/

stage/html\_2/

stage/sqldb/

stage/vendor/

stage/composer.json

Change to the fa share folder

$ cd /usr/share/dump1090-fa/

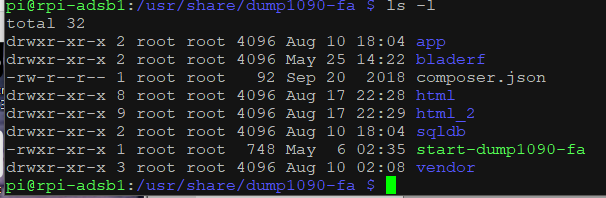
Copy all of the stage content into this directory

$ sudo cp -r /home/<whatever>/stage/\* .

Note: this should not interfere with any FA provided content…

Double check:

$ ls –l

Should look like this…

## Enable PHP for the web server

In order to use PHP for data access one has to enable PHP7 for the used web server

*Ref: PHP 7.0 ON RASP* [*https://pimylifeup.com/raspberry-pi-lighttpd/*](https://pimylifeup.com/raspberry-pi-lighttpd/)

$ sudo apt-get update

$ sudo apt-get install php7.0-fpm

$ sudo lighttpd-enable-mod fastcgi

$ sudo lighttpd-enable-mod fastcgi-php

Edit the config file:

$ sudo nano /etc/lighttpd/conf-available/15-fastcgi-php.conf

**Type/Copy Paste/Edit**

fastcgi.server += ( ".php" =>

((

~~"bin-path" => "/usr/bin/php-cgi",~~ ---REMOVE CGI

~~"socket" => "/var/run/lighttpd/php.socket",~~ ---REMOVE V5

"socket" => "/var/run/php/php7.0-fpm.sock", ---ENABLE V 7

~~"max-procs" => 1,~~ ---REMOVE max

~~"bin-environment" => ( ---REMOVE stuff~~

~~"PHP\_FCGI\_CHILDREN" => "4",~~

~~"PHP\_FCGI\_MAX\_REQUESTS" => "10000"~~

~~),~~

~~"bin-copy-environment" => ( ---REMOVE exec env~~

~~"PATH", "SHELL", "USER"~~

~~),~~

"broken-scriptfilename" => "enable"

))

)

**Ctrl-X to exit and save with Y**

Finally it looks like this

# -\*- depends: fastcgi -\*-

# /usr/share/doc/lighttpd/fastcgi.txt.gz

# http://redmine.lighttpd.net/projects/lighttpd/wiki/Docs:ConfigurationOptions#mod\_fastcgi-fastcgi

## Start an FastCGI server for php (needs the php5-cgi package- update to V7)

fastcgi.server += ( ".php" =>

((

"socket" => "/var/run/php/php7.0-fpm.sock",

"broken-scriptfilename" => "enable"

))

)

Note: if PHP V7 is already used then you may omit this step – it relates to native installations of FA

In order to access the new website we edit the lighttpd config for dump1090 to add another site

$ sudo nano /etc/lighttpd/conf-available/89-dump1090-fa.conf

**Type/Copy Paste/Edit – add red parts**

# Allows access to the static files that provide the dump1090 map view,

# and also to the dynamically-generated json parts that contain aircraft

# data and are periodically written by the dump1090 daemon.

alias.url += (

"/dump1090-fa/data/" => "/run/dump1090-fa/",

"/dump1090-fa/" => "/usr/share/dump1090-fa/html/",

"/dump1090-fa2/data/" => "/run/dump1090-fa/",

"/dump1090-fa2/" => "/usr/share/dump1090-fa/html\_2/"

)

# redirect the slash-less URL

url.redirect += (

"^/dump1090-fa$" => "/dump1090-fa/",

"^/dump1090-fa2$" => "/dump1090-fa2/"

)

# Listen on port 8080 and serve the map there, too.

$SERVER["socket"] == ":8080" {

alias.url += (

"/data/" => "/run/dump1090-fa/",

"/" => "/usr/share/dump1090-fa/html/"

)

}

$SERVER["socket"] == ":8081" {

alias.url += (

"/data/" => "/run/dump1090-fa/",

"/" => "/usr/share/dump1090-fa/html\_2/"

)

}

# Add CORS header

server.modules += ( "mod\_setenv" )

$HTTP["url"] =~ "^/dump1090-fa/data/.\*\.json$" {

setenv.add-response-header = ( "Access-Control-Allow-Origin" => "\*" )

**Ctrl-X to exit and save with Y**

Finally start the http daemon:

$ sudo service lighttpd force-reload

Access SkyView with Glass Panel with your browser

http://<pihost>:8081/

or

http://<pihost>/dump1090-fa2