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

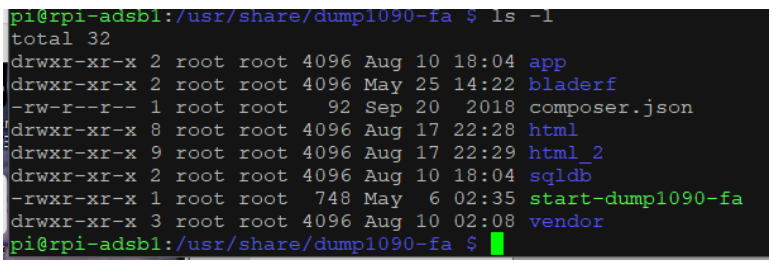
```
$ sudo cp -r /home/<whatever>/stage/* .
```

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/

```
$ 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