The more "difficult" setup questions when installing the PWS_Dashboard

On tab "Location" you have to enter most general settings. If needed there is an external link were you can find more helpful information.

Your station location details
For longitudes **left** of Greenwich a **-** sign is needed.

Attention just the opposite as used in WeatherDisplay. So for Germany there should be no sign. For Ireland and the US there should be a minus. PHP-webservers use the SI-standard for longitude

Enter your nearest airport code (XXXX) or find one here

At https://www.travelmath.com/nearest-airport/ you can an (international) airport near you.
That airport-code is used to collect the "current sky conditions" which is something no weather-programs can detect.

On tab "Data" you will specify the locations / providers for most of the data used.

Weather-program / live data file we will use
How dow we get our live data?

Select the weather-program to use from the drop-down.
When using an API, or an network such as WU or WL.com you do not need to specify the location of the file in the next question.

All other weather-programs upload the file to use, you will set the location now.

Path to your **realtime** data file. Not used with an API.

You should set the **path** to that file, for our example we use clientraw.txt.
Do **not use** an external ink such as http:// as that will drastically increase the load on your server.

If the file is in the root of your site you should use "`../clientraw.txt`"
The "`../`" signals the webserver to go down one folder from the `pwsWD/` folder to find the file.

If the clientraw is to be found in another folder on your website use "`../anotherfolder/clientraw.txt`"
Again the "`../`" points to the root and the webserver will find the file in the folder with the name "`anotherfolder`"

How dow we get current Sky conditions?

Select the most appropriate source. For some you need to get an API-key.
Most websites use a METAR from a nearby airport to get the current sky conditions.

Which weather forecast do you want to use?

Same procedure for your weather forecast.
Most users are uploading their weather-station data to WeatherUnderground, they can use their forecast.

Which weather-alarm service is available?

Do you want to use a weather alarm service?

Select one for your area.
If in **Europe** you then need to find the **alarm-area** you are in. The scripts will then display the warnings.
Canadian users have to download a list (link is included) and find their area to enter in the box.
Als enter your province code in the second box.
For **Australia** fill your area in the box, select from nsw, vic, qld, wa, sa, tas or nt.

If in **the US**, we have included the NWS-forecasts as maintained by Ken True - Saratoga.
You need to setup those scripts in a separate setup-procedure as those scripts are extensive.

Historical data: Use WU or your webserver

Should the graph-script use WU-data?
Or will a cron-job save your historical data on your own website?

The scripts use the new WU_API to collect your historical data for the graphs. If you do not upload to WU, you can select to store the data on the webserver. You need to run the station-cron then also.

On tab "Units" all questions should be answered using a choice from the drop-downs

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On tab "Devices" you have to select the optional sensors you may have.
You have to enter the sensor code and or the sensor uploaded file.

For the Luftdaten Air Quality sensor there are two scripts. Normally you will load the data from the Luftdaten website, using the **sensor-ID** you got when registered there.

When using the Leuven others/sensorluft.php script or similar you need to set the real sensor-number.

For the Davis AirLink sensor you need to find the station-ID.
Visit https://pwsdashboard.com/wll and follow the steps there.
Important: When both your station and the AirLlink data are used, do not enter the station-number at the **tab "Devices" .** All data is loaded in one request with the data at the Api&Keys tab.

For the **WeatherFlow or Tempest device** you have to fill in the station-number (4 or 5 digits)
This device can be used as
1. lightning sensor only
2. as the source for UV / Solar
3. or as full station.

For **your first Weather-Cam** you can specify the location of the w webcam image here.
The two other webcam-scripts need the location to be set inside the script itself.

On tab "API&Keys" you have to enter the keys and id's for the external sources of your data.

For t**he yr-no weather forecast** the area description, not used for the forecast itself but used for a single page English forecast

Aeris Weather has a nice forecast and other goodies for those stations uploading to **pwsweather.com**

WeatherUnderground also has a nice forecast and is used to get the historical data for the graphs

DarkSky is only available for already registered customers until at least end of 2022.

METAR is used to get the current weather and Sky conditions.

Your **Ambient** and **WeatherLink** cloud v1 API and other credentials are needed when you use their data as your main source.

The **WeatherLink Cloud version 2 API** can be used as main source of the data, you have to get the station-ID at https://pwsdashboard.com/wll/
When using this API for an AirLink device only you should not enter the station-ID. Only key and secret.