

# **openWeather plugin for openLuup**

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## **Introduction :**

This plug-in is intended to run under the "openLuup" emulation of a Vera system. It should work on a "real" Vera, but has not been tested in that environment. It is intended to capture and monitor select weather data provided by Weather Underground [www.weatherunderground.com](http://www.weatherunderground.com) under their general terms and conditions available on their website. It requires an API developer key that must be obtained from their website.

## **Requires:**

1. A system running openLuup (or a Vera home automation controller, not tested) and the AltUI interface. For background, please see the <http://forum.micasaverde.com/> forum.
2. Lua libraries "socket.http" and "dkjson" installed (should already be in an openLuup environment (please refer to openLuup documentation)
3. A valid API developer key from Weather Underground (please check their website for terms and conditions)
4. A valid location (or personal weather station id) for Weather Underground lookup (please check their website for details)

## **Installation:**

1. Install from the AltUI App Store the "openWeather" app
2. Select the "Variables" tab of the newly created "openWeather" device and edit the "ProviderKey" and "Location" variables to your needs (see requirements above).
3. Reload the Luup engine...

## **Use:**

You should now have 3 devices:

1. "openWeather": the main plugin device, with the configuration variables and some additional weather variables. Under the AltUI interface, the current weather/wind date will be displayed on in the device box and the device icon will reflect the current weather conditions.
2. "oW Temperature": a child device reporting the current temperature data and suitable for all usual actions/triggers in scenes for such a device.
3. "oW Humidity": a child device reporting the current relative humidity data and suitable for all usual actions/triggers in scenes for such a device.

Please note that only a very small subset of the weather data available from Weather Underground has been implemented in this beta version of openWeather. However, the code in "L\_openWeather.lua" can be easily edited to add more features.

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