

AJAX Generation

AJAX is the standard for Asynchronous Javascript and allows dynamic variables to be loaded into a page. In WattmonOS, the home page uses AJAX to update its parameters once per second.

Various packages may insert hooks that generate content in the AJAX output. All parameters in the AJAX page are [JSON](#)-encoded.

Generating AJAX

In order to send parameters to the home page, your script should output one or more lines of valid JSON data, with a key and value in the format:

```
"numeric_key":1,
"string_key":"my string",
"array_key":[1,5,6],
"object_key":{"name":"Joe","age:21"},
"array_object_key":[
    {"name":"Joe","age:21"},
    {"name":"Jane","age:32"}
],
```

End each parameter with a comma (,).

Generating AJAX in Blockly

Below is an example script that will increment a global variable 'cnt' and send it to the AJAX output.

The screenshot shows the Wattmon Blockly interface. On the left is a sidebar with categories: Designer, Logic, Loops, Math, Text, Wattmon (with a sub-item Arrays), Variables, and Functions. The main area has tabs for μPHP and XML, with μPHP selected. The script is composed of the following blocks:

- A green `print` block.
- An orange `create text with` block with the string `"cnt": "`.
- A yellow `convert value to int` block.
- A purple `GLOBAL variables` block with the string `" ajax_cnt "`.
- A purple `\n` block.
- A purple `set GLOBAL variable` block with the variable name `" ajax_cnt "`.
- A purple `to` block.
- A purple `GLOBAL variables` block with the string `" ajax_cnt "`.
- A blue `+` block.
- A blue `1` block.

At the top, there are buttons for `SAVE`, `CLEAR`, and `Hook: In Ajax Generation`. The file path is listed as `/examples/visual/home_ajax`.

Example output of this:

```
"cnt":334,
```

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