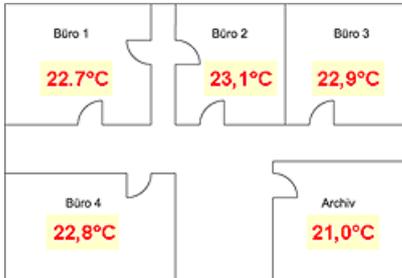


Application for Web Thermometers:

Retrieving and displaying multiple measurements using PHP



When using multiple Web-Thermometers at one location, it may be desirable to display the data from the individual units on the same Web page. This is a good application for PHP.

Using the following copy & paste example you can display the measurements from multiple devices (here two Web-Thermometers) on one Web page. For this example you need a Web server with PHP interpreter.

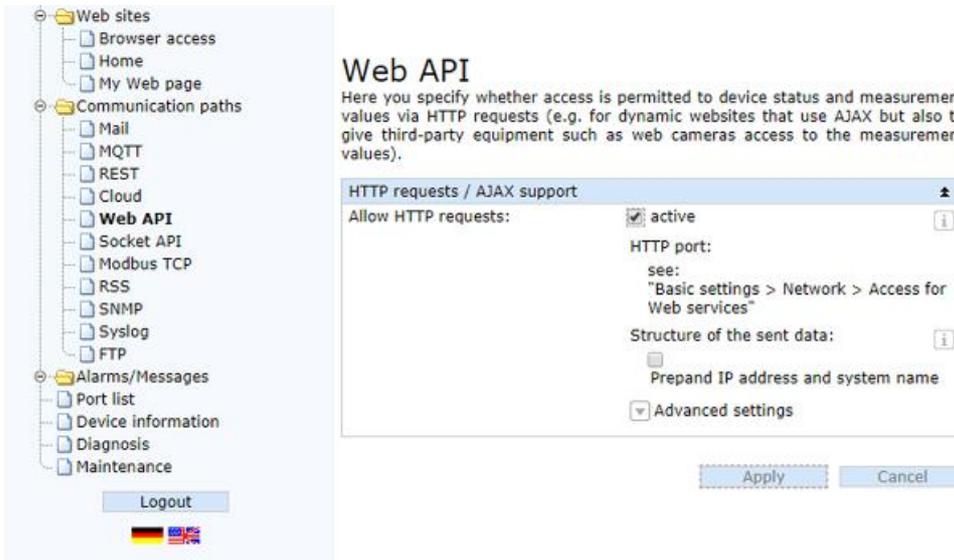
Preparations

You have already provided your Web-Thermometer(s)

- with power,
- connected it to your network,
- assigned it an IP address - which with [WuTility](#) is no problem.

1. Enable Web-API

For the measurement values to be queried via HTTP, first the "Web-APIU" function must be turned on in the device configuration.



Web API

Here you specify whether access is permitted to device status and measurement values via HTTP requests (e.g. for dynamic websites that use AJAX but also to give third-party equipment such as web cameras access to the measurement values).

HTTP requests / AJAX support

Allow HTTP requests: active i

HTTP port: i
see: "Basic settings > Network > Access for Web services"

Structure of the sent data: i
 Prepend IP address and system name

Advanced settings

Apply Cancel

2. Incorporate PHP script into the Web page

- Copy the JavaScript (shown in blue)
e.g. into the <body> area of your Web page (PHP commands are interpreted at any desired location on the page).
- Modify the red IP address, the green HTTP port and the yellow query command to your purposes.

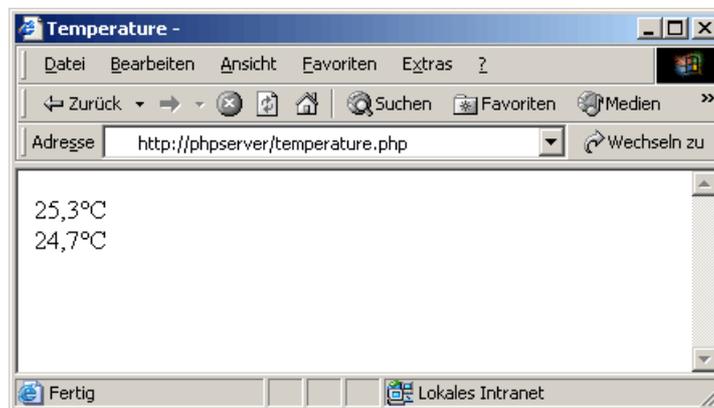
```

<html>
<head>
<title>Temperature</title>
</head>
<body bgcolor="#FFFFFF" text="#000000">
<?php
function getvalue($address,$sensorno)
{
$datei = fsockopen($address,80);
$out = "GET /Single".$sensorno." HTTP/1.1\r\n\r\n";
fwrite($datei, $out);
while (!feof($datei))
{
$data = fgets($datei);
}
$find = "/r/n";
$pos = strpos($data, $find);
$value = substr($data,$pos);
echo $value;
fclose($datei);
}
?>
<br>
<?php
getvalue ("192.168.0.2","1");
?>
<br>
<?php
getvalue ("192.168.0.3","1");
?>
</body>
</html>

```

3. Output

If you save the above PHO page on a PHP server and open it using a Web browser, you get the following view:



4. Automatic updating

- To update the page cyclically, insert the following line (shown in blue) into the <head> area of the page.
- The interval is given in seconds (shown here in red: 60 seconds)

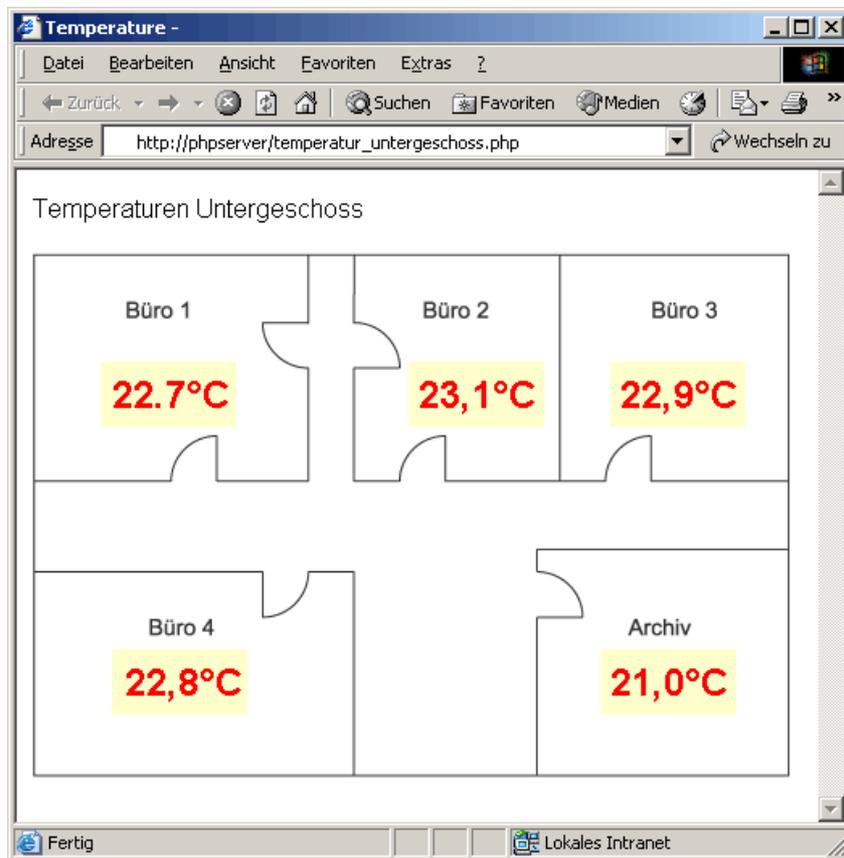
```

<html>
<head>
<title>Temperature</title>
<meta http-equiv=refresh content=60>
</head>
<body bgcolor="#FFFFFF" text="#000000">
...

```

5. Modify the page to your purposes

Using the above procedure you can simply create overview pages which can include any number of measurements:



Do you not yet have a Web-Thermometer but would like to simply try one out like the example presented here?

No problem: We'll send you the Web-Thermometer Pt100/Pt1000 at no charge for 30 days. Simply fill out the sample order form, and we'll ship the Web-Thermometer for testing on an open invoice. If you return the unit within 30 days, we will credit the invoice in full.

[To sample orders](#)

Previous application

Next application



We are available to you in person:

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