HTTP Client Example

With the function block "HTTP Client", http requests, as well as the resulting responses, can be exchanged between a CODESYS controller and a web server.

Product description

The CODESYS software package includes a library with a function block for communicating with a web server via HTTP.

- When using http-GET, data is requested from a web server.

- When using http-POST or http-PUT, data is submitted from the controller to a web server.

- When using http-DELETE, data is deleted on a web server.

- When using http-HEAD, http-Header is requested from a web server.

The HTTP header of a request can be extended without any restrictions. The library is included as source code in the CODESYS package.
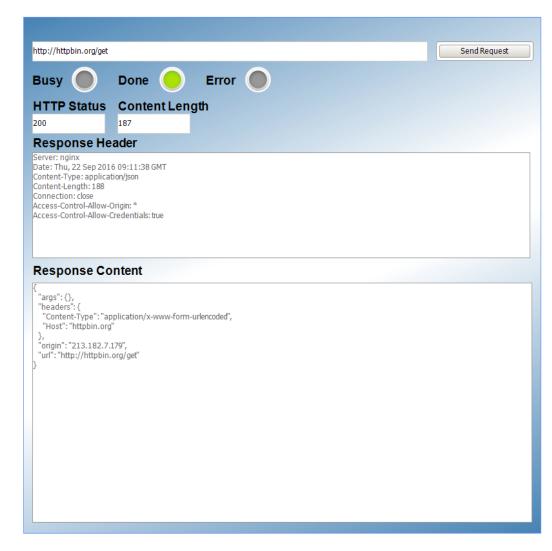
Range of functions

Function block "HTTPClient"
Function block for sending http requests. The sample project `HTTPClient.project` illustrates how this function block is used.

Function "URLDecoder"
Function for coding and decoding URLs (percent encoding).

Screenshot: HTTP Client visualization in the CODESYS Development System

General information

Manufacturer		3S-Smart Software Solutions GmbH Memminger Strasse 151 87439 Kempten Germany
Support		Tel: +49 831 54031 66 support@codesys.com
Item		**HTTP Client Example**
Item number		**000075**
Sales		CODESYS Store store.codesys.com
Included in delivery	▪	Library "HTTPClient.library" incl. source code
	▪	Sample project "HTTPClient.project"

System requirements and restrictions

Programming system	CODESYS Development System V3.5.9.0 or later
Runtime system	CODESYS Control V3.5.9.0 or later
Supported platforms and devices	All platforms of the CODESYS Runtime environment Note: Use the "Device Reader" project for locating the functions supported by the PLC. The "Device Reader" project is available in the CODESYS Store free of charge.
Additional requirements	None
Restrictions	None
Licensing	License not required
Required accessories	None