

SNTP Service SL

The library “SNTP Service SL” contains function blocks for time requests and time setting via SNTP.

Product description

The library SNTP Service SL contains function blocks for easy implementation of SNTP client and server components on a CODESYS control (SNTP V3, SNTP V4). The function block `SNTPGetUTCTime` can be used to request the UTC time of a SNTP/NTP server. The function block `SNTPServer` can be used to build a simple SNTP server.

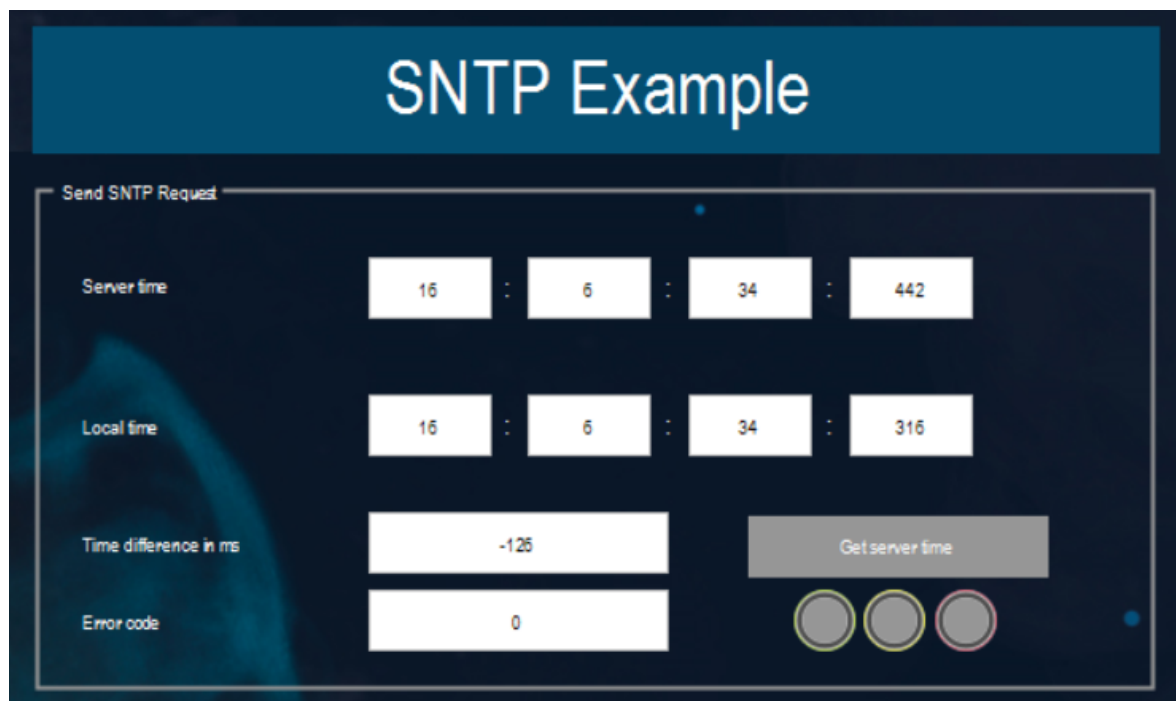
Function blocks (FBs) of the SNTP library:

- `SNTPGetUTCTime`: FB to request the time of a SNTP server (SNTP client)
- `SNTPServer`: FB to send the local server time (SNTP server)

The application `SNTPRequestExample` of the example project `SNTP Service SL Example` shows the usage of the function block `SNTPGetUTCTime`. The application `SNTPServerExample` shows how to use the function block `SNTPServer`.

Application `SNTPRequestExample`

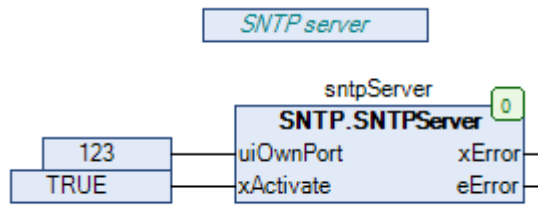
The application reads the current UTC time from a SNTP server and shows the result, the local time and the time difference in CODESYS visualization.



Picture 1: Visualization of the application `SNTPRequestExample`

Application SNTPServerExample

The application SNTPServerExample starts a simple SNTP server on port 123.



Picture 2: Application SNTPServerExample

General information

Supplier:

CODESYS GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

Technical support is not included with this product. To receive technical support, please purchase a CODESYS Support Ticket.

<https://support.codesys.com>

Item:

SNTP Service SL

Item number:

Sales/Source of supply:

CODESYS Store
<https://store.codesys.com>

Included in delivery:

CODESYS Package

System requirements and restrictions

Programming System	CODESYS Development System V3.5.15.0 or higher
Runtime System	CODESYS Control V3.5.15.0
Supported Platforms/ Devices	All
	Note: Use the project "Device Reader" to find out the supported features of your device. "Device Reader" is available for free in the CODESYS Store.
Additional Requirements	-
Restrictions	<ul style="list-style-type: none"> • Only SNTP unicast mode is supported • Unencrypted messages (without Autokey Cryptography) • IP V6 is not supported
Licensing	License activation optional on CODESYS Key or Soft Key (Soft Key: free of charge component of CODESYS Controls) Licensing via Soft Key is strictly linked to hardware.

Note: Without a license the software runs for 30 minutes in demo mode.

Required Accessories	-
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Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.

Creation date: 2023-08-24