



## SNTP Service

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

**The library “SNTP Service” is now part of the product [IIoT Libraries SL](#) and is no longer available as single product.**

### Product description

#### Licensing:

Workstation License

The library SNTP Service 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.

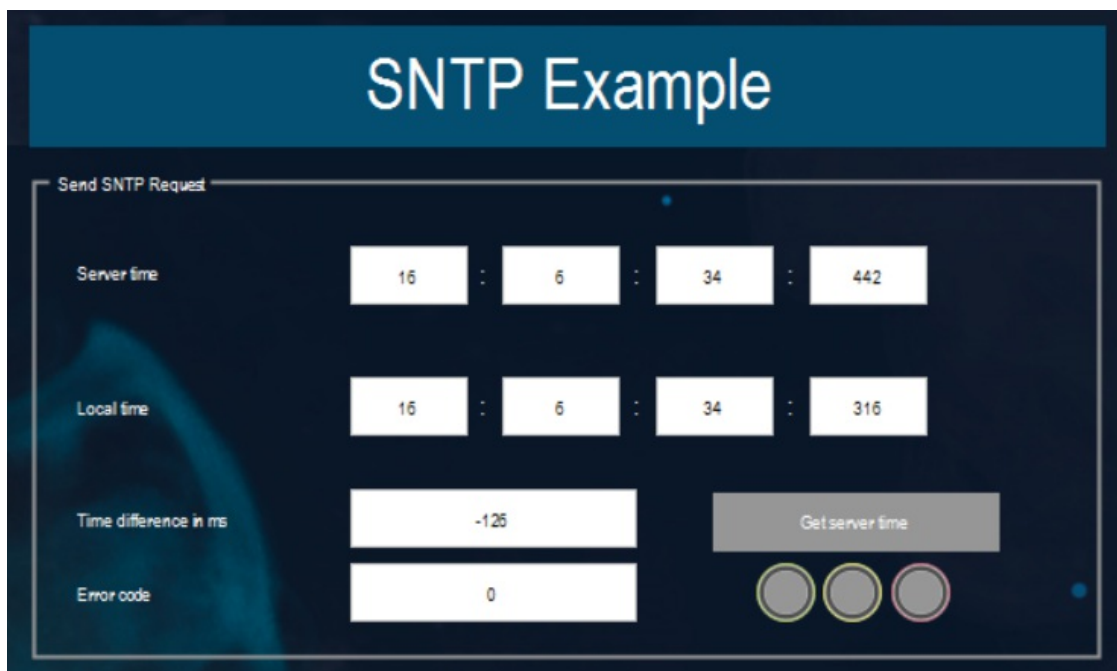
Function blocks (FBs) of the SNTP library:

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

The package `SNTPService` includes the library `SNTPService` and the example project `SNTPExample`. The application `SNTPRequestExample` shows the usage of the function block `SNTPGetUTCtime`. The application `SNTPServerExample` shows how to use the function block `SNTPServer`.

#### Application `SNTPRequestExample`

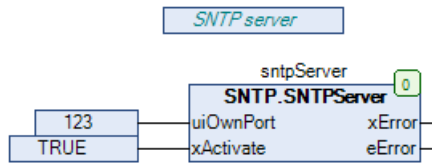
The application reads the current UTC time from a SNTP server and shows the result, the local time and the time difference in CODESYS visualization.



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:

<https://support.codesys.com>

### Item:

SNTP Service

### Item number:

2111000009

### Sales:

CODESYS Store

<https://store.codesys.com>

### Included in delivery:

Package with following components:

- Library SNTP Service (namespace: SNTP)
- Example project (SNTP client and server)
- Help file (chm)

## System requirements and restrictions

<b>Programming System</b>	CODESYS Development System V3.5.14.0 or higher
<b>Runtime System</b>	CODESYS Control V3.5.6.0
<b>Supported Platforms/ Devices</b>	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.
<b>Additional Requirements</b>	-
<b>Restrictions</b>	<ul style="list-style-type: none"> <li>• Only SNTP unicast mode is supported</li> <li>• Unencrypted messages (without Autokey Cryptography)</li> <li>• IP V6 is not supported</li> </ul>
<b>Licensing</b>	<p>Workstation License: The license can be used on the workstation on which the CODESYS Development System is installed and executed.</p> <p>Licenses are activated on a software-based license container (soft container), which is permanently connected to the workstation. Alternatively the license can be stored on a CODESYS Key (USB-Dongle). By replugging the CODESYS Key, the license can be used on any other workstation.</p>
<b>Required Accessories</b>	CODESYS Key for CODESYS < 3.5.14.0

*Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact [sales@codesys.com](mailto:sales@codesys.com).*

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