



Date and Time

The example shows how to use the date and time functions of the `SysTime` and `Util` libraries.

Product description

The project contains examples on the following topics:

- Reading timer tick values since system startup
- Read UTC time
- Convert UTC time to local time
- Local time and time zone operations

More information

In the visualization placeholders e.g. `"%t[ddd MMM dd.MM.yyyy HH:mm:ss]"` are used to display the current system time.

The displayed format can be modified with placeholders shown below. See also the CoDeSys Online Help under

https://help.codesys.com/webapp/_visu_placeholder_with_formatting_sequence_in_a_string;product=core_visualization;version=3.5.14.0

ddd	Name of weekday, abbreviated, e.g. "Wed"
dddd	Name of weekday, e.g. "Wednesday"
dddddd	Weekday as decimal number (0-6, Sunday is 0)
MMM	Name of month, abbreviated, e.g. "Feb"
MMMM	Name of month, e.g. "February"
d	Day of month as number (1-31), e.g. "8"
dd	Day of month as number (01-31), e.g. "08"
M	Month as number (1-12), e.g. "4"
MM	Month as number (01-12), e.g. "04"
jjj	Day of the year as number (001-366), e.g. "067"
y	Year without specification of century (0-99), e.g. "9"
yy	Year without specification of century (00-99), e.g. "09"
yyy	Year with specification of century, e.g. "2009"
HH	Hour, 24-hours format (01-24), e.g. "16"
hh	Hour, 12-hours format (01-12), e.g. "4" for 16 o'clock
m	Minutes (0-59), without preceded zero, e.g. "6"
mm	Minutes (00-59), with preceded zero, e.g. "06"
s	Seconds (0-59), without preceded zero, e.g. "6"
ss	Seconds (00-59), with preceded zero, e.g. "06"
ms	Milliseconds (0-999), without preceded zero, e.g. "322"
t	"A/P" identifier for 12-hours format: "A" for hours < 12, "P" for hours > 12; e.g. "A" for 9 o'clock in the morning
tt	"AM/PM" identifier for 12-hours format: "AM" for hours < 12, "PM" for hours > 12, e.g. "AM" for 9 o'clock in the morning
' '	Text strings containing one of the placeholders listed above must be put in single quotation marks; all other text within the format string can be used without quotation marks. e.g. 'update' because of "d" and "t"

General information

Manufacturer:

3S-Smart Software Solutions GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

<https://support.codesys.com>

Item:

Date and Time

Item number:

000006

Sales:

CODESYS Store

<https://store.codesys.com>

Included in delivery:

- CODESYS software and / or license key with billing information
- For training courses and events: Booking confirmation

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.14.0 or higher
Runtime System	CODESYS Control Version 3.5.0.0
	All
Supported Platforms/ Devices	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	-

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact 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.