File Utilities

This example shows several possibilities of writing and reading files as well as working with directories. Synchronous and asynchronous function calls are used.

Product description

Several functions for file management are demonstrated here, such as creating files and directories, renaming, deleting and copying them as well as reading and writing files. A directory can be browsed to find all included files.

In the synchronous way, the function will wait until a result is returned. Sometimes this lasts longer than one cycle. There for an asynchronous call can be used. Here the function will not wait for a result. At each call the function will ask again for a result, when it is available the variable `xDone` is set to true, otherwise it stays false until a result is available.

More information

`SystemDir`: Several synchronous functions are used to create a directory. The directory is browsed to find all included files. After renaming, the directory will be deleted.
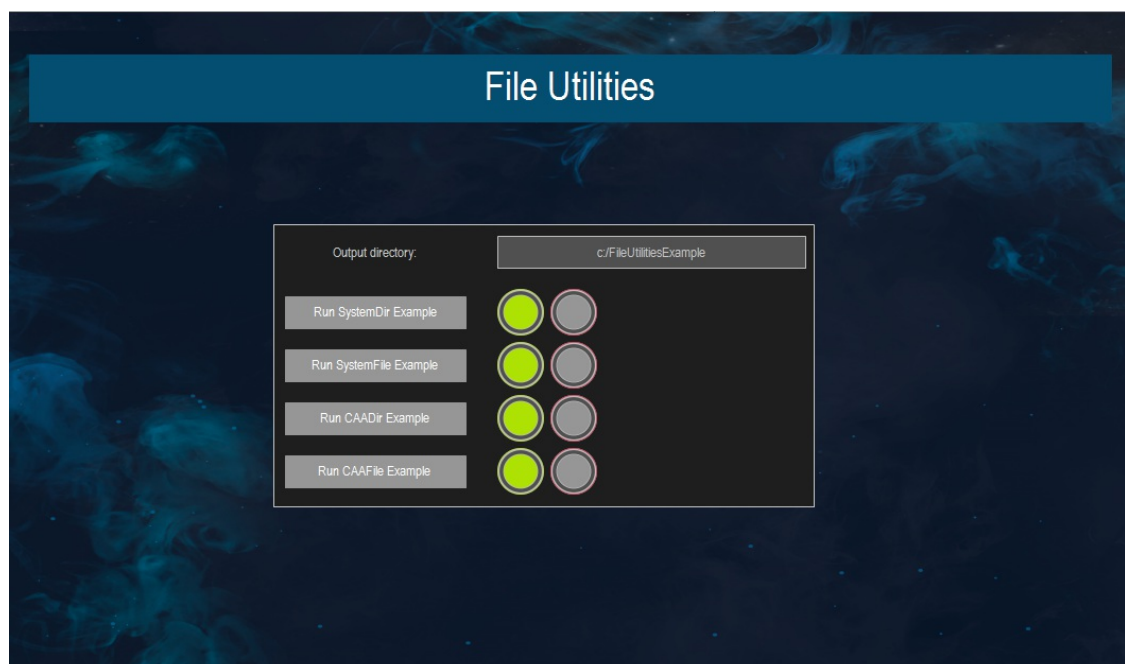
`SystemFile`: Several synchronous functions for file modification are used. First the file is opened with write access. A string is written to the file and it will be closed after. The next step opens the file again and reads the written string. After copying the file a new string is appended at the end. Some file information like creation time and size are retrieved as well.

`CAA_Dir`: It shows how to create, open, close rename, browse and remove a directory. This is done in an asynchronous way with use of a state machine. When the function block is done or sends an error, the `Next` or `Error` state is reached.

`CAA_File`: This program does some file modification in an asynchronous way. After opening the file a string is written into that file and later read again. File information are fetched as well as appending another string into the file.

A function can be executed via visualization.

Screenshots

General information

Manufacturer:

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

Support:

https://support.codesys.com

Item:
File Utilities
Item number:
000009
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 3.5.6.0 or higher
Runtime System	CODESYS Control Version 3.5.6.0
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	-

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.