

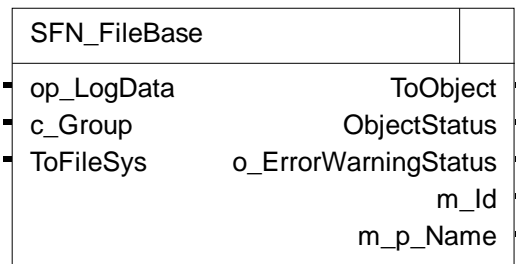
Name: SFN_FileBase

Revision: 0.4

Ladder: false

Complex: true

Graphic Schema:



Clients: Name: op_LogData
Class: SFN_Base
DataType: gpt_LogData
Type: Data Channel
Required: false
Comment: Output for logging data to SF_Logger

Name: c_Group
Class: SFN_Base
DataType: UDINT
Type: Data Channel
Required: false
Comment: Group identification object is part of.

Name: ToFileSys
Class: _FileSys
DataType: DINT
Type: Object Channel
Required: false

Server: Name: ToObject
GUID: {9EED831D-1495-49CA-AD11-0E8CDA8941D2}
Class: SFN_Base
Visualized: false
DataType: pVoid
Type: Object Channel
Initialize: false
WriteProtected: true
Retentive: false
Comment: ToObject:
Object channel server.
Channel to reach the methodes of this object.
In case this object should be Accessible by a pointer
the variable ToObject is used to handover the address of this object.
This server is never used for anything else!!!

Name: ObjectStatus
GUID: {A29E2DB3-B7AD-4363-A726-DB93BF808383}
Visualized: false
DataType: gt_ObjectStatus
Type: Data Channel
Initialize: false
WriteProtected: false
Retentive: false
Comment: Generic object status interface.
Bit 0 - 15 is reserved for generic Safan framework
Bit 16 -31 can be used by the application
See also type gt_ObjectStatus.

Visualized: false
 DataType: UDINT
 Type: Data Channel
 Initialize: false
 WriteProtected: true
 Retentive: false
 Comment: Actual active Error or Warning status.
 A lower level message will not overwrite an active higher level message.
 for example a warning will not overwrite this server if it has already an active error
 Note: see also internal variable FirstError
 to find the first error detected since last
 error handling.

Name: m_Id
 GUID: {AAB7581E-3B92-42E8-9287-D9BCBCF7E8ED}
 Visualized: false
 DataType: UDINT
 Type: Data Channel
 Initialize: true
 WriteProtected: false
 Retentive: false
 Comment: An identification number of this object.
 Free to use/define by derived classes and application.

Name: m_p_Name
 GUID: {33AD7665-E336-4A23-BACF-BD56E31FDC73}
 Visualized: false
 DataType: pChar
 Type: Data Channel
 Initialize: false
 WriteProtected: true
 Retentive: false
 Comment: Name of this object.
 String is closed by an end of sting character (value 0)
 String is read only!

Methods:

Name:	Init
Virtual:	true
Global access:	true
AWL implementation:	false
CDecl:	false
Name:	OpenFile
Virtual:	false
Global access:	false
AWL implementation:	false
CDecl:	false
Input::	Name: p_FileName Type: ^CHAR Pointer: true Register: <undefined>
Input::	Name: FileMode Type: UDINT Pointer: false Register: <undefined>
Output::	Name: Result Type: BOOL Pointer: false Register: <undefined>
Name:	ClearFileBuffer
Virtual:	false
Global access:	false
AWL implementation:	false
CDecl:	false
Name:	CloseFile
Virtual:	false
Global access:	false
AWL implementation:	false
CDecl:	false

CDecl: false
 Name: FlushFileBuffer
 Virtual: false
 Global access: false
 AWL implementation: false
 CDecl: false
 Comment: Write content filebuffer to file
 Output::

Name:	Result
Type:	BOOL
Pointer:	false
Register:	<undefined>

Name: RemoveFile
 Virtual: false
 Global access: false
 AWL implementation: false
 CDecl: false
 Comment: Removes specified file
 Input::

Name:	p_FileName
Type:	^CHAR
Pointer:	true
Register:	<undefined>

Name: WriteChar
 Virtual: false
 Global access: false
 AWL implementation: false
 CDecl: false
 Input::

Name:	c
Type:	CHAR
Pointer:	false
Register:	<undefined>

 Input::

Name:	Flush
Type:	BOOL
Pointer:	false
Register:	<undefined>

 Output::

Name:	Result
Type:	BOOL
Pointer:	false
Register:	<undefined>

Name: WriteString
 Virtual: false
 Global access: false
 AWL implementation: false
 CDecl: false
 Input::

Name:	p_String
Type:	^CHAR
Pointer:	true
Register:	<undefined>

 Input::

Name:	Flush
Type:	BOOL
Pointer:	false
Register:	<undefined>

 Output::

Name:	Result
Type:	BOOL
Pointer:	false
Register:	<undefined>

Name: GetChar
 Virtual: false
 Global access: false
 AWL implementation: false
 CDecl: false
 Input::

Name:	p_DestChar
Type:	^CHAR
Pointer:	true
Register:	<undefined>

 Output::

Name:	Result
Type:	CHAR
Pointer:	false
Register:	<undefined>

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Name:                GetLine
Virtual:             false
Global access:       false
AWL implementation:  false
CDecl:              false
Input::              Name:      p_LineBuffer
                    Type:      ^CHAR
                    Pointer:    true
                    Register:   <undefined>
Output::             Name:      Result
                    Type:      t_SF_FileReadResult
                    Pointer:    false
                    Register:   <undefined>

Types:               Name:      t_SF_FileReadResult
                    Type:      ENUM
                    Size:      UDINT
                    Public:    false
                    Elements:  FILE_READ_OK, FILE_READ_EOL, FILE_READ_EOF, FILE_READ_FAILED

Variables:           Name:      FileHandle
                    Type:      DINT
                    ElementType: DINT
                    Pointer:    false

                    Name:      FileBuffer
                    Type:      ARRAY OF CHAR
                    ElementType: CHAR
                    Pointer:    false

                    Name:      FileBufferHead
                    Type:      UINT
                    ElementType: UINT
                    Pointer:    false

                    Name:      NrCharsRead
                    Type:      UDINT
                    ElementType: UDINT
                    Pointer:    false

Defines:             #define SF_FILE_BUFFER_SIZE      1000                //size of the buffer used to store the

Dependencies:
Class:               SFN_Base
Class:               SFN_StringUtils
Types:               ChDsc
Types:               ChDscEntry
Types:               ChMeth
Types:               ChMode
Types:               ClsHdr
Types:               ClsHdrConst
Types:               CltCh
Types:               ConfStates
Types:               gpt_LogData
Types:               gt_LogData
Types:               gt_LogLevel
Types:               gt_ObjectStatus
Types:               Obj
Types:               ObjDsc
Types:               pChar
Types:               pClsHdr
Types:               pFct
Types:               pVoid
Types:               Revision
Types:               SvrCh
Types:               SvrDsc
Types:               void
File:                C:\DevEnv\Sigmatek\Projects\SafanStdLib\SafanStdLib\Class\SFN_Base\SafanGeneral.h
                    Def.h

```