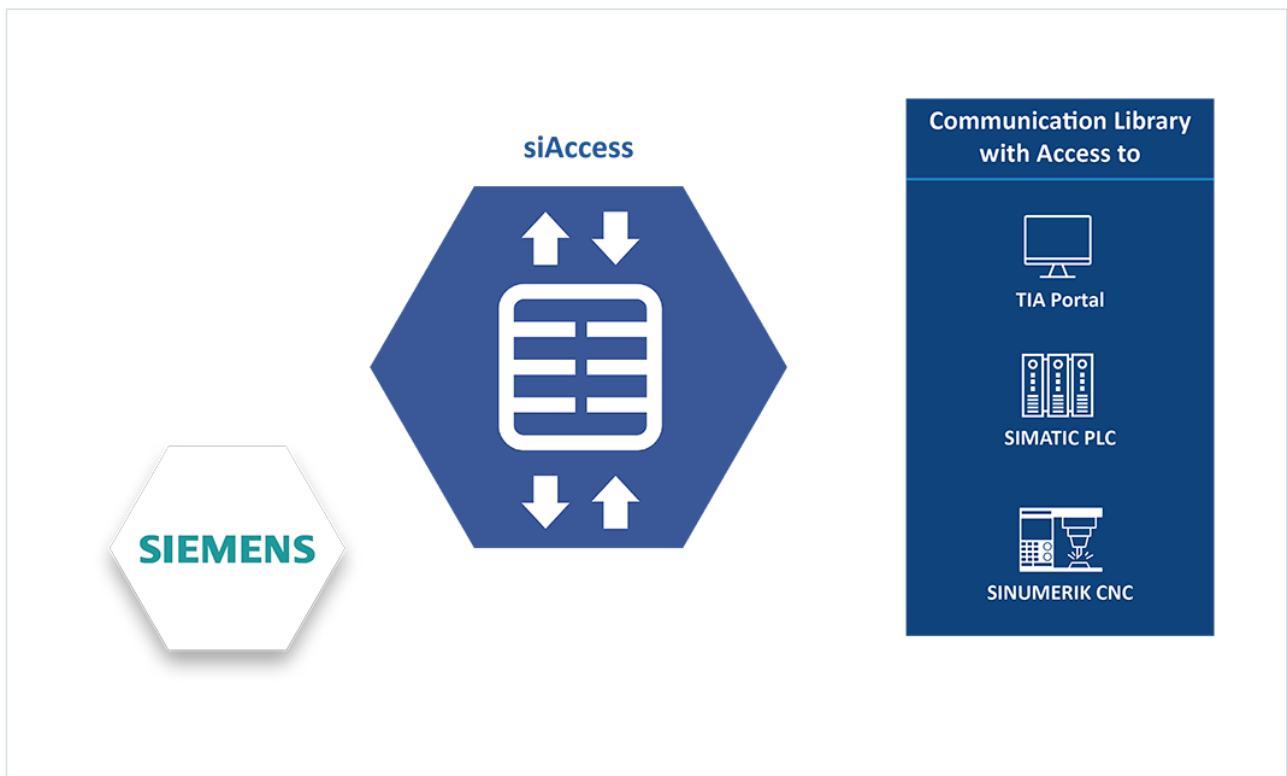


siAccess – Migration from ACCON AGLink to siAccess



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1 Switching from ACCON-AGLink to siAccess

software developer time required to apply changes: < 15 min

1.1 Generic

1.1.1 Windows setup folder installation folders:

old: C:\Program Files (x86)\DELTALOGIC\ACCON-AGLink V5

new: C:\Program Files (x86)\Softing\siAccess

old: C:\Users\Public\Documents\DELTALOGIC\ACCON-AGLink_V5

new: C:\Users\Public\Documents\Softing\siAccess

1.1.2 removed device types

#define TYPE_S7CONN_IE 0

#define TYPE_S7_NL 2

#define TYPE_S7_NLUSB 4

#define TYPE_S7_SOFTING 5

#define TYPE_S7_CIF 6

#define TYPE_S7_MPI_SER 7

#define TYPE_S7_TS_AT 9

#define TYPE_S7_TS_TAPI 10

#define TYPE_S7_PPI 12

#define TYPE_S5_AS511 14

#define TYPE_RK 15

#define TYPE_S7_RED_CONN 19

#define TYPE_RFC_1006 20

1.1.3 new DLL/.so names

x86 Windows:

32 bit image: siAccess_x86.dll

64 bit image: siAccess_x64.dll

x86 Linux:

32 bit image: libsiAccess_x86.so

64 bit image: libsiAccess_x64.so

arm Linux:

32 bit image: libsiAccess_arm.so

64 bit image: libsiAccess_arm64.so

1.2 C++

new headers are in folder:

C:\Users\Public\Documents\Softing\siAccess\Dev\VC\inc (Windows setup)

old:

- AGLink40.h
- AGL_Defines.h
- AGL_Funcs.h
- AGL_SymbolicFuncs.h
- AGL_SymbolicTypes.h
- AGL_Types.h
- OSDefInc.h
- AGLink40.cpp

new:

- siAccess.h
- siAccess_Defines.h
- siAccess_Funcs.h
- siAccess_SymbolicFuncs.h
- siAccess_SymbolicTypes.h
- siAccess_Types.h
- siAccess_OSDefInc.h
- siAccess.cpp

1.2.1 New required functions

AGL_Initialize(0): Initialize siAccess library. Call before all other API functions

AGL_Cleanup(): Cleanup resources from siAccess library: Call before program exit (or siAccess module unload)

1.2.2 API name changes (removed 'AGLink')

old :

- AGL_Symbolic_LoadAGLinkSymbolsFromPLC()
- AGL_Symbolic_LoadAGLinkSymbolsFromPLCEx()
- AGL_Symbolic_SaveAGLinkSymbolsToFile(),
- AGL_Symbolic_SaveAGLinkSymbolsToFileWithFilter()
- AGL_Symbolic_LoadAGLinkSymbolsFromFile()

new:

- AGL_Symbolic_LoadSymbolsFromPLC()
- AGL_Symbolic_LoadSymbolsFromPLCEx()
- AGL_Symbolic_SaveSymbolsToFile()
- AGL_Symbolic_SaveSymbolsToFileWithFilter()
- AGL_Symbolic_LoadSymbolsFromFile()

1.3 Net API

1.3.1 .NET Wrapper

old wrapper name: AGL4DotNet.4.dll

new wrapper name: siAccess_DotNET.dll

1.3.2 New required functions

AGL.Initialize(0): Initialize siAccess library. Call before all other API functions

AGL.Cleanup(): Cleanup resources from siAccess library: Call before program exit

1.3.3 API changes

"findHandle" parameter in functions AGLSym.FindFirstDeclarationFilter, AGLSym.FindNextDeclaration, AGLSym.FindCloseDeclaration, AGLSym.GetDeclarationInitialValue changed from Int32 to IntPtr

1.3.4 Name changes

old name: namespace Accon.AGLink
new name: namespace Softing.SiAccess

old name: namespace Accon.Symbolik
new name: namespace Softing.SiAccess.Symbolik

old name: class AGL4
new name: class AGL

old name: interface IAGLink4
new name: interface ISiAccess

old name: interface IAGLink4Tia
new name: interface ISiAccessTia

old name: interface AGL4Sym
new name: interface AGLSym

old name: class AGL4ConnectionFactory
new name: class AGLConnectionFactory

1.3.5 removed 'AGLink' from Symbolic_Save | Load functions

old:

- AGL4.Symbolic_LoadAGLinkSymbolsFromPLC()
- AGL4.Symbolic_LoadAGLinkSymbolsFromPLCEx()
- AGL4.Symbolic_SaveAGLinkSymbolsToFile(),
- AGL4.Symbolic_SaveAGLinkSymbolsToFileWithFilter()
- AGL4.Symbolic_LoadAGLinkSymbolsFromFile()

new:

- AGL.Symbolic_LoadSymbolsFromPLC()
- AGL.Symbolic_LoadSymbolsFromPLCEx()
- AGL.Symbolic_SaveSymbolsToFile()
- AGL.Symbolic_SaveSymbolsToFileWithFilter()
- AGL.Symbolic_LoadSymbolsFromFile()

1.4 Java API

old wrapper names: AGLink[_x64]-Java-Wrapper.dll, aglink-java-wrapper.jar
new wrapper names: siAccess_x64[x86]_Java.dll, siAccess_x64[x86]_Java.dll

1.4.1 new required functions

AGL.initialize(0): Initialize siAccess library. Call before all other API functions
AGL.cleanup(): Cleanup resources from siAccess library: Call before program exit

name changes:

old package name: de.deltalogic.accon.aglink4
new package: name:com.softing.siaccess

old: class AgLink

new: class AGL

1.5 AGLink40_Config.exe (optional tool to configure connection parameter)

new name: siAccess_Config.exe

old device xml name: AGLink40CfgDev0000.xml

new device xml name: siAccessCfgDev0000.xml

new default siAccessCfgDev0000.xml search folder names:

- folder of used 'siAccess_x64|x86.dll' (as before)
- C:\Users\Public\Documents\Softing\siAccess (new)