Microsoft Visual Studio Wizard for EntireX .NET Wrapper

The Visual Studio Wizard for .NET Wrapper is a plug-in for Microsoft Visual Studio 2010, which makes the client functionality of the EntireX .NET Wrapper available to Microsoft Visual Studio 2010.

This chapter covers the following topics:

- Installing the Plug-in
- Using the Plug-in
- Uninstalling the Plug-in

Prerequisites for all EntireX components are described centrally. See Windows Prerequisites.

Installing the Plug-in

The EntireX .NET Wrapper Wizard Plug-in for Visual Studio .NET is part of the EntireX installation. After you have installed EntireX, you can find the installer under *etc* in your EntireX installation path. To install EntireX .NET Wrapper Plug-in, start *NetVSAddIn90.msi* and follow the instructions.

Caution:

The installation path must include the *bin* directory (e.g. *C:\SoftwareAG\EntireX\bin*) of the corresponding EntireX installation, otherwise the plug-in will not work properly!

Using the Plug-in

Once the wizard has been installed, start Microsoft Visual Studio 2010. Under **Project Types / Visual C#; Projects**, you will find a new template called EntireX .NET Wrapper Application.

New Project			? 🛛		
Project types:		Templates:	.NET Framework 3.5 🛛 💙 🔛 🔚		
Project types: Visual C# Windows Web Smart Device Database Reporting Test WCF Workflow Visual C# Other Languages Other Project Types Test Projects		Visual Studio installed templates EntireX .NET Wrapper Application My Templates Search Online Templates	EntireX DCOM Wrapper Application		
A project for creati	ng an EntireX .NET W	rapper Client or Server			
<u>N</u> ame:	NETWrapperApplication1				
Location:	C:\Documents and Settings\Admin\My Documents\Visual Studio 2008\Projects				
Solution Na <u>m</u> e:	Solution Name: NETWrapperApplication1 Create directory for solution				
			OK Cancel		

Select this template to start the .NET Wrapper Wizard.

Software AG EntireX						×
		Welcome to the .NET Wrapper Wizard				
softu ל				Please sele	ect your IDL File	
Software AG IDL File	Project Name:	exampleClient				
Broker/Service	Project Path:	C:\Documents	and Settings\bf\	My Docume	entsWisual Stud	dio 2008\Project
	.NET Wrapper	Runtime Path				
Parameters	C:\SoftwareA0	i\EntireX\bin				
						Browse
	Software AG II)L				
	C:\SoftwareA0	i\EntireX\examp	es\RPC\basic\ex	ample\exa	mple.idl	
	generate	Client	C Server			Browse
					Finish	Cancel

Select your Sof	tware AG IDL F	ile				? 🔀
Look jn:	🚞 calc		~	000	<mark>•</mark>	
My Recent Documents Desktop	example.idl					
My Documents						
My Computer						
My Network Places	File <u>n</u> ame:	example.idl				<u>Open</u>
110005	Files of type:	Software AG IDL	files (*.idl)	1		Cancel

First enter the name of a Software AG IDL file in the opening window. You can select whatever you want to generate client or server code. The project name will be set to *IDLNameClient* or *IDLNameServer* automatically. You can enter the name of the path of the .NET Wrapper Runtime DLL if it is not located in the default path.

Software AG EntireX			×
9 softu	We Jare ^{AG}	Icome to the .NET Uncheck "use Broker/Services def Clear text Passwords (if checked)	Wrapper Wizard aults" to edit Broker and Service parameters, are included in generated code.
Software AG IDL File	Use Broker/Servic	es defaults	
Broker/Service	Host:Port Broker User	localhost:1971	
Parameters	Broker Password		use in generated code
	Library Name		_
	Service User Service Password	NET-USER	use in generated code
		, .	
			Finish Cancel

On the page **Broker/Service** you can change the default settings for Broker and Service.

Software AG EntireX					×
G soft		Welcome	to the .N	ET Wrappe	
P sorta	uie			declarations are prefixe	ed if unchecked.
Software AG IDL File	🔽 Sanitize	C#			
Broker/Service	Generate 'char' for A1 instead of 'string'				
Parameters	🔲 Generate	e 'byte' for B1 instead	of 'byte[]'		
	🗌 Remove	trailing blanks (A,AV,)	(KV)		
	String hand	dling Default	•		
	class name	e prefix for inner classe	es 📃		
				Finish	Cancel

On the parameters page you can select the options **Sanitize** and char/string support.

For more information on Broker/Service and parameters, see the EntireX .NET Wrapper documentation.

When all data has been entered, click the button **Finish**. A new Visual Studio .NET solution will be generated which includes a project with the name *IDLNameClient* or *IDLNameServer*. This project contains the Software AG IDL file, the generated .*cs* file C# file) and references to the *System.dll* and the *EntireX.NetWrapper.Runtime.dll*.

The project will generate a class library (DLL), which can be used in any other .NET project C# or VB.NET). For this purpose an additional *App.config* file is generated which can be used in a project where an *.exe* file is generated. The *App.config* file contains information about Broker, Services etc.

Caution:

Any changes to the Software AG IDL file will trigger the EntireX AddIn after saving. The *.cs* file will be re-generated and all specifications you made during the implementation will be lost.

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example.cs Start Page 🔹 🗙	Solution Explorer - Solution \star 4 \times
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<pre>MassemblyInfd Inamespace SoftwareAG.EntireX.NETWrapper.Generated.example { [EntireXVersion("8.0.1.0")] [Library("EXAMPLE")] public class Example : ServiceHolder</pre>	Solution 'exampleClient' (1 proje exampleClient SoftwareAG.Entire) System System.Data System.Xml System.Xml System.Config Seconfig Seconfig Seconfig Seconfig Seconfig Seconfig Seconfig Seconfig
	< >
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Uninstalling the Plug-in

You can uninstall the EntireX .NET Wrapper Wizard Plug-in for Visual Studio 2010 by using the Windows Control Panel > Add or Remove Programs. Select Software AG EntireX .NET Wrapper Wizard and choose Remove.

The EntireX .NET Wrapper Wizard Plug-in for Visual Studio 2010 will be removed from your computer.

Note:

The plug-in must be uninstalled before you uninstall EntireX, otherwise the uninstall of EntireX will fail.