

EntireX DCOM Wrapper

The EntireX DCOM Wrapper generates DCOM-enabled components using RPC technology. This so-called "wrapping" makes it possible to treat existing applications as ActiveX components.

Introduction	Introduction to the DCOM Wrapper; prerequisites.
Using	Describes how to start the DCOM Wrapper, set wrapper properties, generate a DCOM client, generate a DCOM proxy.
<i>Visual Studio Wizard</i>	Describes how to use the Microsoft Visual Studio Wizard for EntireX DCOM Wrapper.
Command-line Mode	Using the DCOM Wrapper in command-line mode.
<i>Generated Objects</i>	Describes supported data types, the code generation process, location of DCOM Wrapper objects, standard Wrapper properties, handling complex data types, calling remote procedures as functions, standard wrapper methods, registering and deploying wrapper objects, using wrapper objects with DCOM.
<i>Using Wrapper Objects</i>	Describes properties, properties and groups, how to use generated object methods, how to handle arrays, groups and periodic groups.
<i>Proxy Objects</i>	Describes the deployment of wrapper objects, how to use wrapper objects with DCOM, how to enable the use of DCOM, how to access and register the wrapper proxy, how to specify the location of DCOM server objects (DCOM Utility).
<i>LotusScript</i>	Describes how to use LotusScript to create and destroy objects, and working with arrays and groups.
<i>Web Scripting Languages</i>	Provides hints on using VBScript as scripting language and an example.
Mapping	Mapping Software IDL data types to .NET data types.
<i>Reliable RPC</i>	Introduction to reliable RPC; writing a client and a server for Reliable RPC; Broker configuration.
<i>Tips and Tricks</i>	Tips and tricks for IDL parameter definitions, groups in an IDL parameter definition, arrays in groups, ActiveX Application calling a DCOM Wrapper method, a problem with the #import clause of the client application, syntax errors, the ActiveX Automation Server, restrictions on parameter names, language-dependent restrictions on the client side, using DCOM Wrapper object with Microsoft Visual Studio .NET.
<i>Using Alias Names</i>	Describes how to use alias names for library and program names.
<i>Visual Basic Example</i>	Provides examples on how to create a Visual Basic object with the DCOM Wrapper and how to use the properties of this object.
<i>Data Type Binary;</i>	Describes how to map data type binary.
<i>Examples of Various Data Types</i>	Provides Visual Basic examples of how programs generated with the IDL generator are used with various data types.

<i>Using Arrays of Variable Sizes</i>	Describes an array without fixed size and with strings of variable length, the methods and the group definition for arrays of variable sizes.
<i>Using Structures</i>	Describes how to use structures with the DCOM Wrapper.
<i>Writing Applications</i>	Describes how to enable internationalization and tracing.

Related Literature

Tools and Components

- *Software AG IDL Extractors*
- *IDL Editor*
- *EntireX RPC Servers*
- *RPC-ACI Bridge*
- *Error Messages and Codes*

Programming

- *Using the Broker ID in Applications*
- *Common Features of Wrappers and RPC-based Components*
- *Command and Info Services IDLs*