

OPC ToolWorX™

Rapid OPC Development Toolkit

Create Projects for Microsoft Visual Studio .NET in Minutes

Take advantage of the powerful Microsoft® Visual Studio® .NET environment. Create runtime configurator projects easily and quickly

Compliant with OPC Data Access 1.0 - 3.0 Standards

Designed to provide the highest level of compliancy for OPC Data Access interfaces, from OPC DA 1.0, OPC DA 2.0 and OPC DA 3.0

Compliant with OPC Alarm and Events 1.1 & 2.0 Standards

Support for all alarm types needed to design basic to sophisticated alarm and event clients and servers

Compliant with OPC XML Data Access 1.0 Standard

Take advantage of the latest technology to develop Web-enabling OPC servers that are firewall and IT friendly and comply with the OPC XML-DA 1.0 specification

Wizards Create OPC Server and GUI Configurators

Easy-to-use, step-by-step wizards rapidly create runtime and configurator projects

Built-in OPC Trace Capability and Tag Simulation

Full set of simulation tags for rapid development, and the easy-to-use TraceWorX™ application for troubleshooting and diagnostics

Full Source Code Version Available

Source code for a fully functional Modbus OPC Server is included as a working example

Low-cost DLL Library Version Available

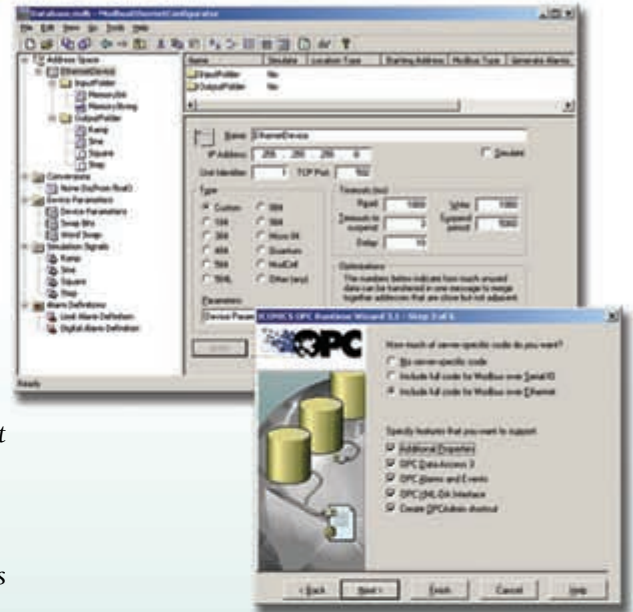
Both a low-cost DLL version and a full source code version are available. ICONICS also offers a Free Demo version of OPC ToolWorX™

Add New Signals and Tags During Runtime

Online configuration capability, such as the ability to add new signals and tags during runtime

Online Tutorial and Documentation

Full online documentation and online tutorials that provide step-by-step instruction throughout the development process



**"Create OPC servers
in minutes!"**



Visualize Your Enterprise!™





OPC ToolWorX™

OPC ToolWorX Rapid Development OPC Toolkit

ICONICS OPC ToolWorX™ contains two integrated toolkits: the OPC Server Toolkit and the OPC Client Toolkit. The ICONICS OPC Server Toolkit supplies everything you need to quickly design OPC server products, including the infrastructure and software architecture required for designing an OPC server. The OPC ToolWorX toolkit contains sample source code, documentation, example servers, a client test application, and a Microsoft Visual Basic® test application. The ICONICS OPC Client Toolkit shows how to easily communicate with OPC servers. Source code for a client application and example OPC servers to test against are included with OPC ToolWorX.

ICONICS OPC ToolWorX supports servers running Desktop Win32, as well as various Windows® CE target platforms.

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OPC ToolWorX Features

Develop OPC servers and clients with the ICONICS OPC ToolWorX toolkit. Take advantage of advanced features, such as the free-threading mode, for improved performance and scaling capabilities. Using the sample programs and configuration files as test cases for developed OPC servers and clients makes debugging a snap. Servers contained in the OPC ToolWorX toolkit are implemented with the best method for COM programming: Microsoft's Active Template.

All servers developed with OPC ToolWorX are exceptionally flexible, and can run in process, locally, as a Windows NT® service, or remotely.

OPC ToolWorX Contents

- Client program that utilizes the OPC COM interface and a Visual Basic sample that uses the automation interface for debugging.
- Visual C++® AppWizards that integrate with Microsoft Visual Studio 6 or Microsoft Visual Studio .NET and greatly simplify the task of creating new servers and configurators.
- Reusable class libraries that contain common code for servers and configurators, and are developed using the OPC ToolWorX toolkit.
- Detailed documentation showing how to create clients, servers, and configurators, and how to use the fully functional sample programs. This documentation also provides information on multi-threaded issues, object lifetimes, and much more.
- An advanced configuration user interface that results in extremely rich and robust OPC servers and clients.
- Complete source code for a fully functional 32-bit, multi-threaded server.

Language Support

OPC ToolWorX supports several different languages. Support for non-English languages can be added to the configurator and loaded automatically every time it starts. Supported languages include Czech, Danish, English, Finnish, French, German, Greek, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, and Turkish.

Productivity Tools Available Within OPC ToolWorX

In addition to the ability to build world-class OPC servers and clients, OPC ToolWorX also offers a set of productivity tools that aid in OPC development. These productivity tools include:

- TraceWorX provides online diagnostics and tuning of OPC servers and clients developed with OPC ToolWorX. TraceWorX is designed expressly for systems integrators, OEMs and customers who want to have tools for performing their own troubleshooting and diagnostics.
- Dr. DCOM helps with the setup of DCOM so OPC servers and clients can work easily and seamlessly. Dr. DCOM gets information about local nodes, remote nodes, and OPC servers installed on them, and analyzes that information. Dr. DCOM can check with a specific network and DCOM configuration.
- OPC DataSpy™ is a universal diagnostics and analysis utility for OPC servers and clients. OPC DataSpy provides an easy-to-use OPC test client to diagnose, test, and troubleshoot applications that conform to the OPC Data Access and OPC Alarm & Event specifications. Browsing and real-time monitoring for OPC-compliant Data Access, Alarm and Event, and Historical Data Access servers is easy. The DataSpy utility can provide basic information allowing testing and troubleshooting any third-party OPC server.
- OPC Alarm Utility is a tool that can connect to running OPC servers built within OPC ToolWorX to view a wide range of statistical, debugging, internal, runtime, and configuration parameters and counters.

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