OPC UA Server SDK .NET Standard

Multi-Platform OPC UA Server Development

OPC Unified Architecture

OPC Unified Architecture (UA) is a platform-independent standard through which various kinds of systems and devices can communicate by sending Messages between Clients and Servers over various types of networks.

Features

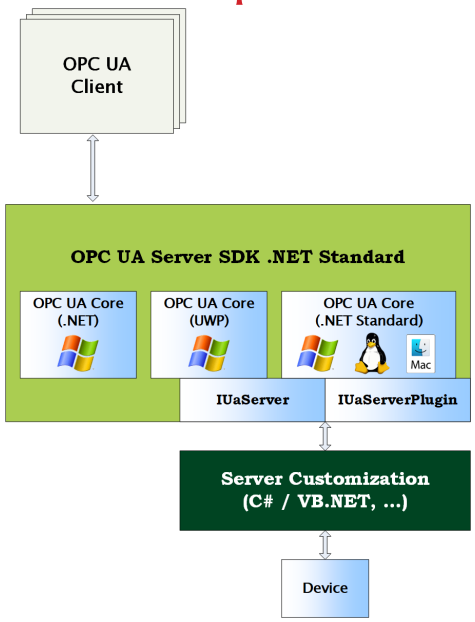
Servers are fully compliant to OPC UA 1.00/1.01/1.02/1.03 and 1.04.

Supports Windows 8.1/10 (including embedded/IoT Editions)

Supports Linux, iOS and Android (via Xamarin)

Easy to understand and well documented sample servers show how to use the API.

Time to Adapt!



- Fast and easy access to the OPC Unified Architecture (UA) technology.
- Develop OPC UA 1.00, 1.01, 1.02, 1.03 and 1.04 compliant Servers.
- Create royalty free OPC UA Server applications.

If your application requires access to the OPC technology you have to decide which of the OPC Specifications you want to support. The decision depends on many factors like the used OPC specifications supported by third party products or the system architecture you want to use. Technosoftware GmbH is specialized in software consulting and development services for technical and industrial applications based on OPC and the founder of Technosoftware GmbH was involved in the design and development of many software products with OPC connectivity with more then 20 years extensive knowledge about OPC.

The OPC Unified Architecture (UA) is THE next generation OPC standard that provides a cohesive, secure and reliable cross platform framework for access to real time and historical data and events.

It's Time to Adapt this specification for use in your applications and we recommend considering designing your application to use the OPC Unified Architecture.

We recommend considering designing your application to use the OPC Unified Architecture in the first place by using our new **OPC UA Server SDK .NET Standard** toolkit which allows development of client applications supporting OPC UA.

OPC FOUNDATION MEMBER

For more information on any of our products or services please visit us on the Web at:
https://technosoftware.com

Technosoftware GmbH
Windleweg 3
5235 Rüfenach, AG
Switzerland
Email sales@technosoftware.com

Features and Benefits

The **OPC UA Server SDK .NET Standard** offers a fast and easy access to the OPC Unified Architecture (UA) technology. Develop OPC UA 1.00, 1.01, 1.02, 1.03 and OPC UA 1.04 compliant Servers with C#/VB.NET or any other compiler capable of generating a .NET assembly.

.NET Standard allows you develop applications that run on all common platforms available today, including Linux, iOS, Android (via Xamarin) and Windows 8.1/10 (including embedded/IoT editions) without requiring platform-specific modifications.

The developer can concentrate on his application and servers can be developed fast and easily without the need to spend a lot of time learning how to implement the OPC Unified Architecture specification. The server API is easy to use and many OPC specific functions are handled by the framework.

The included Model Compiler can be used to create the necessary C# classes of Information Model's specified in XML and CSV based files. At the moment the XML files must be edited by a text editor.

Operating Systems

Windows 10

Windows 8.1

Windows Server 2016, Standard and Datacenter

Windows Server 2012 R2

Linux

Via Xamarin:
- iOS
- Android
- MacOS

Framework Support

.NET 4.6.2
.NET 4.7.2
.NET Standard 2.0
.NET Core 2.0
Universal Windows Platform

Available on GitHub

https://github.com/technosoftware-gmbh/opc-ua-net-standard

Supported OPC UA Profiles

- Standard UA Server
- DataAccess Server Facet
- Basic Event Subscription Server Facet
- Method Server Facet
- Node Manager Server Facet
- Auditing Server Facet
- Historical Access
- Alarms&Conditions

Included Service and Support

Depending on your needs we offer our products without support or with support subscriptions.

More Service and Support Available

On-Site OPC Training *
Server Development *
Client Development *

* Not included in the Product License or the Maintenance Package

For more information on any of our products or services please visit us on the Web at:
https://technosoftware.com

Technosoftware GmbH
Windleweg 3
5235 Rüfenach, AG
Switzerland
Email sales@technosoftware.com