

OPC UA Client SDK .NET Standard

Multi-Platform OPC UA Client 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

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

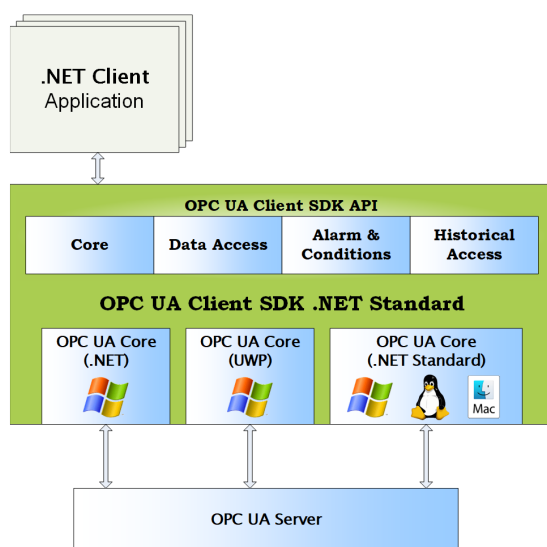
Supports Windows 7/8.1/10 (including embedded/IoT Editions)

Supports Linux, iOS and Android (via Xamarin)

Client API nearly compatible to the **OPC UA Client SDK .NET**

Easy to understand and well documented sample clients 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 Clients.
- Create royalty free OPC UA Client 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 than 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 Client SDK .NET Standard** toolkit which allows development of client applications supporting OPC UA.



For more information on any of our products or services please visit us on the Web at:
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Features and Benefits

The **OPC UA Client SDK .NET Standard** offers a fast and easy access to the OPC UA Client technology. Develop OPC compliant UA Clients with C#/VB.NET targeting the .NET Standard.

.NET Standard allows you develop applications that run on all common platforms available today, including Linux, iOS, Android (via Xamarin) and Windows 7/8.1/10 (including embedded/IoT editions) without requiring platform-specific modifications.

The **OPC UA Client SDK .NET Standard** API defines classes which can be used to implement an OPC client capable to access OPC servers supporting different profiles with the same API. These classes manage client side state information; provide higher level abstractions for OPC tasks such as managing sessions and subscriptions or saving and restoring connection information for later use.

A large set of sample controls can be used as reference on how to implement different use cases. The sample controls as well as a client using them is included in source code.

Operating Systems

Windows 10

Windows 7 SP1
Windows 8.1

Windows Server 2016,
Standard and Datacenter

Windows Server 2012 R2

Linux

Via Xamarin:

- iOS
- Android
- MacOS

Professional Edition

.NET 4.6.1
.NET 4.7.2

Ultimate Edition

.NET 4.6.1
.NET 4.7.2
.NET Standard 2.0
.NET Core 2.0
Universal Windows
Platform

Supported OPC UA Profiles

- AddressSpace Lookup Client Facet
- Attribute Read Client Facet
- Attribute Write Client Facet
- Base Client Behaviour Facet
- Core Client Facet
- DataAccess Client Facet
- DataChange Subscriber Client Facet
- Discovery Client Facet
- Event Subscriber Client 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:

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