



Getting Started with OPC UA

Part 1: End User Products

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Getting Started with OPC UA

#1 Free Test Applications

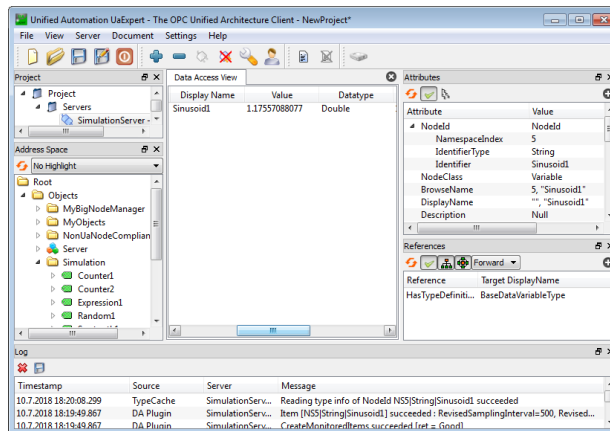
#2 End User Products

- Profiles
- Certification
- Product Catalog

#1 Free Test Applications

- ▶ OPC Foundation
 - Samples included in the '.NET Legacy' project
 - [Github.com/opcfoundation](https://github.com/opcfoundation)
- ▶ Unified Automation
 - UaExpert
 - Demo Servers
 - unified-automation.com
- ▶ Prosys OPC
 - UA Client
 - UA Simulation Server
 - prosysopc.com

Free



#2 End User Products

- ▶ Select an Off-the-Shelf OPC UA Product for Your Needs
 - Standalone or Embedded?
 - Client or Server?
 - Supported OPC UA Profiles?
 - Certified?

OPC UA Profiles

- ▶ Subsets of Functionality
- ▶ Target for Certification

https://opcfoundation-onlineapplications.org/profilereporting/

OPC UA Profiles

Following are the currently defined profiles, arranged according to their application category.

Server Category

Facets

- Core Characteristics
- Data Access
- Event Access
- Alarm & Condition
- Generic Features
- Redundancy
- Historical Access
- Aggregates
- Programs Model

FullFeatured

- Nano Embedded Device 2017 Server Profile
- Micro Embedded Device 2017 Server Profile
- Embedded 2017 UA Server Profile
- Standard 2017 UA Server Profile
- Global Discovery Server 2017 Profile
- Global Discovery and Certificate Mgmt 2017

Client Category

Facets

- Core Characteristics
- Data Access
- Event Access
- Alarm & Condition
- Generic Features
- Redundancy
- Historical Access
- Aggregates
- Programs Model

FullFeatured

- Standard UA Client 2017 Profile
- Global Certificate Management Client 2017



Welcome to the OPC Foundation Unified Architecture Profile Reporting Visualization Tool. This is the master database and primary source for all profile information and is used to generate the [OPC UA Part 7 Profiles specification](#)

Terminology used in this application:

- Profile** - a full-featured definition of functionality that must be supported; consumer of other *Profiles*, *Facets*, *Conformance Groups*, and *Conformance Units*.
- Facet** - a definition of partial functionality; consumer
- Conformance Group** - a collection of *Conformance Units*
- Conformance Unit** - specific functionality, e.g. Read an Array type etc.

Please refer to the [OPC Unified Architecture Part 7 Specification](#).

Instructions

- Use the TreeView (left) to select a *Profile* or *Facet*
- The list of *Conformance Units* will appear here
- In the *Conformance Units* page you can filter the list using options at the top of the page.

Product Certification

End-User Focused

- ▶ Value Proposition
 - Proven reliability and interoperability
 - Faster configuration and start-up with fewer support calls
 - Minimal integration risks
- ▶ Target: Plug-and-play



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The OPC Foundation's Certification Program ensures that products meet OPC Foundation requirements for interoperability, reliability and minimum performance. End-users can reduce their system integration costs when deploying OPC-based systems by purchasing OPC Certified products such as those listed here.

server

	Member ▲	Products	Certified Profiles
-	4CE Industry	(1)	
		OpenOpcUaCoreServer	UA 1.02 Nano Server
+	Azbil Corporation	(2)	
+	Cyberlogic Technologies, Inc.	(1)	
+	IBHsoftec GmbH	(1)	
+	Kepware Technologies	(1)	
+	LG CNS	(1)	
+	Modium Inc	(1)	

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VDW Verein deutscher
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e.V.
iData Inc.
CoreTigo
Beijing Blueprint Technology Co.,
Ltd.



Certified Products

Cyberlogic OPC Server
Omron NX1 Machine Automation
Controller
Puerto UaMonitor for Excel
TSI Facility Monitoring System
(FMS)



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Find Certified Products

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	Member ▲	Products ▾	Certified Profiles
+	Cyberlogic Technologies, Inc.	(1)	
+	Open Automation Software	(1)	
-	Prosys OPC Ltd	(1)	
		Prosys OPC UA Modbus Server	UA 1.02 Standard Server
+	Utthunga Technologies	(1)	

UA 1.02 Standard Server

Showing 1 to 4 of 4 entries

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Newest Members

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Certified Products

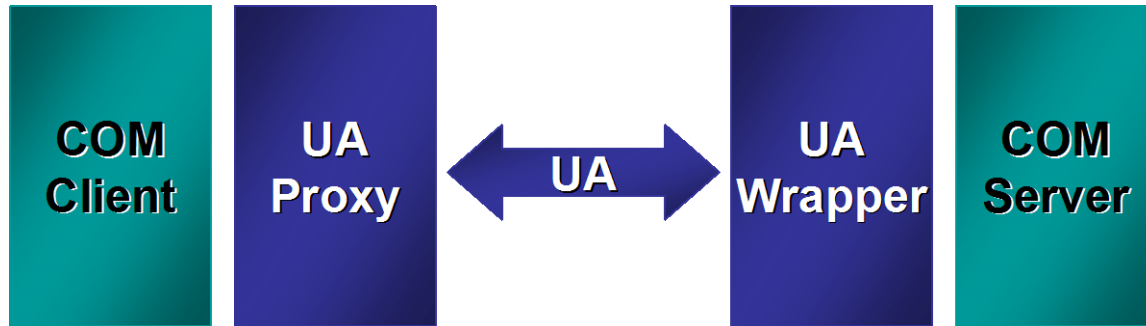
Cyberlogic OPC Server
Omron NX1 Machine Automation
Controller
Puerto UaMonitor for Excel
TSI Facility Monitoring System
(FMS)

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@OPCFoundation Seminar Day Seoul

One more thing: OPC UA with OPC Classic

- ▶ UA Proxy & Wrapper components enable communications between UA and DCOM versions of OPC applications



- ▶ Where to get?
 - OPC Foundation '.NET Legacy' project (free sample)
 - Commercial products available (recommended)

Thanks!



PROSYS  **OPC**

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