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## **Unified Architecture - OPC Foundation**

The new OPC Unified Architecture (OPC UA) unifies the existing standards and brings them to state-of-the-art technology using service-oriented architecture (SOA).

Main advantages of the new standard are:

Platform-independent technology allows the deployment of OPC UA beyond current OPC applications only

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running on Windows-based PC systems.

## **OPC UA - Unified Architecture: The Everyman's Guide to the ...**

OPC Unified Architecture Overview  
The Address Space Model in UA Part 3 specifies the building blocks to expose instance and type information and thus the OPC UA meta model used to describe

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and expose information models and to build an OPC UA server address space.

## **OPC 10000-14 Unified Architecture Part 14 Pub Sub | OPC UA ...**

OPC UA Reference  
Server has been  
certified for compliance  
through an OPC  
Foundation  
Certification Test Lab.  
Fixes and  
enhancements since

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the certification process have been tested and verified for compliance using the Compliance Test Tool (CTT) Version 1.03.340.380.

## **OPC Unified Architecture | SpringerLink**

OPC is an interoperability standard for Secure, reliable, multivendor, multiplatform data exchange for Industrial

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Architecture

Automation. OPC-UA (OPC Unified Architecture) extends the highly successful OPC communication protocol, enabling data acquisition and information modeling / communication between the plant floor and the enterprise.

**OPC Unified  
Architecture - ABB  
Ltd**

Open Platform  
Communications (OPC)



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is a series of standards and specifications for industrial telecommunication. An industrial automation task force developed the original standard in 1996 under the name OLE for Process Control (Object Linking and Embedding for process control). OPC specifies the communication of real-time plant data between control devices from different manufacturers.

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## **OPC Unified Architecture - Siemens**

OPC Unified  
Architecture (OPC UA)  
is the new standard  
specification for  
interconnectivity in  
state-of-the-art  
industrial automation  
technology, enabling  
rich information  
modeling capabilities,  
replacing existing OPC  
specifications. OPC UA  
provides a framework

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for interoperability to  
be used

## **Unified Architecture - OPC Foundation**

OPC Unified  
Architecture  
Specification OPC UA is  
a platform-  
independent, service-  
oriented architecture  
specification that  
integrates all  
functionality from the  
existing OPC Classic  
specifications,  
providing a migration

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path to a more secure  
and scalable solution.

## **Home - Unified Automation**

The solution comes in  
the form of a new  
specification known as  
OPC Unified  
Architecture (OPC UA).  
OPC UA does not  
require callbacks and  
the use of DCOM for  
remote connections.  
This greatly simplifies  
firewall configuration  
and completely

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eliminates the headache known as DCOM.

## **OPC Unified Architecture - SlideShare**

The first OPC Unified Architecture Book, written by Wolfgang Mahnke, Stefan-Helmut Leitner and Matthias Damm one of the OPC UA trainers for Unified Automation.

**Create OPC Clients**

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...

OPC Unified Architecture. The OPC Foundation defines standards for online data exchange between automation systems. They address access to current data (OPC DA), alarms and events (OPC A&E) and historical data (OPC HDA). Those standards are successfully applied in industrial

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automation. The new  
OPC Unified  
Architecture (OPC  
UA)...

## **OPC Unified Architecture - Wikipedia**

Unified Architecture  
Functional  
Equivalence. Building  
on the success of OPC  
Classic,... Platform  
Independence. Given  
the wide array of  
available hardware  
platforms and

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operating systems,...  
Security. One of the  
most important  
considerations in  
choosing a technology  
is security. Extensible.  
The ...

## **OPC Unified Architecture .NET Standard - GitHub**

OPC UA - Unified  
Architecture: The  
Everyman's Guide to  
the Most Important  
Information Technology  
in Industrial



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Automation [John S Rinaldi] on Amazon.com. \*FREE\* shipping on qualifying offers. What is OPC UA is a very simple question. The answer when you are discussing a complex technology architecture like OPC UA isn't as simple.

**OPC Unified  
Architecture -  
OPCconnect.com**

The OPC Unified  
*Page 17/25*

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Architecture is a set of specifications applicable to manufacturing software in application areas such as Field Devices, Control Systems, Manufacturing Execution Systems and Enterprise Resource Planning Systems. These systems are intended to exchange information and to use command and control for industrial

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## **Opc Unified Architecture**

OPC Unified  
Architecture is a  
machine to machine  
communication  
protocol for industrial  
automation developed  
by the OPC Foundation.  
Distinguishing  
characteristics are:  
Focus on  
communicating with  
industrial equipment

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and systems for data collection and control  
Open - freely available and implementable under GPL 2.0 license  
Cross-platform - not tied to one operating system or programming language  
Service-oriented architecture  
Inherent complexity - the specification consists of 1250 pages in 14 doc

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## **Architecture - commsvr.com**

QuickOPC is a set of components that simplify the task of integrating OPC client functionality into applications. Reading a value from OPC Unified Architecture server, or writing a data value can be achieved in just one or two lines of code. QuickOPC is a radically new approach to access OPC-UA data.

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## **OPC Unified Architecture - Connectivity Guide**

OPC 10000-14 Unified  
Architecture Part 14

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Reference. Online  
versions of OPC UA  
specifications and  
information models.

OPC 10000-14: OPC  
Unified Architecture

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Architecture.

Part 14: PubSub.

Release 1.04

2018-02-06.

## **Embedded OPC UA Stack: OPC Unified Architecture**

### **Overview**

SIMATIC WinCC V7.2 -  
OPC Unified

Architecture. OPC UA

Principles: Platform

Independence &

Access via Firewalls

and across the Internet

. Platform

Independence . OPC UA

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is designed to be independent of the platform. Using SOAP/XML over HTTP, OPC UA can be deployed on Linux, Windows XP Embedded, VxWorks, Mac, Windows 7 and Classical Windows ...

**OPC Unified  
Architecture:  
Wolfgang Mahnke,  
Stefan-Helmut ...**

OPC Unified  
Architecture (UA) is the



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new generation of OPC.  
The first parts of the specification were released August 2006, with a full phase I release in February 2009. The first parts of the specification were released August 2006, with a full phase I release in February 2009.