



# OPC Unified Architecture

By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm

[Download now](#)

[Read Online](#) 

**OPC Unified Architecture** By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm

**Motivation for This Book** The OPC Foundation provides specifications for data exchange in industrial automation. There is a long history of COM/DCOM-based specifications, most prominent OPC Data Access (DA), OPC Alarms and Events (A&E), and OPC Historical Data Access (HDA), which are widely accepted in the industry and implemented by almost every system targeting industrial automation. Now the OPC Foundation has released a new generation of OPC specifications called OPC Unified Architecture (OPC UA). With OPC UA, the OPC Foundation fulfills a technology shift from the retiring COM/DCOM technology to a service-oriented architecture providing data in a platform-independent manner via Web Services or its own optimized TCP-based protocol. OPC UA unifies the previous specifications into one single address space capable of dealing with current data, alarms and events and the history of current data as well as the event history. A remarkable enhancement of OPC UA is the Address Space Model by which vendors can expose a rich and extensible information model using object-oriented techniques. OPC UA scales well from intelligent devices, controllers, DCS, and SCADA systems up to MES and ERP systems. It also scales well in its ability to provide information; on the lower end, a model similar to Classic OPC can be used, providing only base information, while at the upper end, highly sophisticated models can be described, providing a large amount of metadata including complex type hierarchies.

 [Download OPC Unified Architecture ...pdf](#)

 [Read Online OPC Unified Architecture ...pdf](#)

# OPC Unified Architecture

By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm

## OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm

**Motivation for This Book** The OPC Foundation provides specifications for data exchange in industrial automation. There is a long history of COM/DCOM-based specifications, most prominent OPC Data Access (DA), OPC Alarms and Events (A&E), and OPC Historical Data Access (HDA), which are widely accepted in the industry and implemented by almost every system targeting industrial automation. Now the OPC Foundation has released a new generation of OPC specifications called OPC Unified Architecture (OPC UA). With OPC UA, the OPC Foundation fulfills a technology shift from the retiring COM/DCOM technology to a service-oriented architecture providing data in a platform-independent manner via Web Services or its own optimized TCP-based protocol. OPC UA unifies the previous specifications into one single address space capable of dealing with current data, alarms and events and the history of current data as well as the event history. A remarkable enhancement of OPC UA is the Address Space Model by which vendors can expose a rich and extensible information model using object-oriented techniques. OPC UA scales well from intelligent devices, controllers, DCS, and SCADA systems up to MES and ERP systems. It also scales well in its ability to provide information; on the lower end, a model similar to Classic OPC can be used, providing only base information, while at the upper end, highly sophisticated models can be described, providing a large amount of metadata including complex type hierarchies.

## OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm

### Bibliography

- Sales Rank: #1007249 in Books
- Brand: Brand: Springer
- Published on: 2009-05-04
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .81" w x 6.14" l, 1.60 pounds
- Binding: Hardcover
- 339 pages

 [Download OPC Unified Architecture ...pdf](#)

 [Read Online OPC Unified Architecture ...pdf](#)

**Download and Read Free Online OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm**

---

## **Editorial Review**

### **Users Review**

#### **From reader reviews:**

##### **Bonita Crist:**

Do you have favorite book? For those who have, what is your favorite's book? E-book is very important thing for us to find out everything in the world. Each publication has different aim as well as goal; it means that book has different type. Some people really feel enjoy to spend their the perfect time to read a book. They may be reading whatever they consider because their hobby is reading a book. Consider the person who don't like reading a book? Sometime, person feel need book after they found difficult problem as well as exercise. Well, probably you will need this OPC Unified Architecture.

##### **Lloyd Lake:**

Information is provisions for those to get better life, information nowadays can get by anyone in everywhere. The information can be a understanding or any news even a huge concern. What people must be consider when those information which is in the former life are challenging be find than now's taking seriously which one works to believe or which one the resource are convinced. If you have the unstable resource then you buy it as your main information there will be huge disadvantage for you. All of those possibilities will not happen throughout you if you take OPC Unified Architecture as the daily resource information.

##### **Carl Johnson:**

This book untitled OPC Unified Architecture to be one of several books that best seller in this year, that's because when you read this e-book you can get a lot of benefit in it. You will easily to buy that book in the book shop or you can order it by means of online. The publisher of the book sells the e-book too. It makes you more easily to read this book, since you can read this book in your Mobile phone. So there is no reason to you to past this e-book from your list.

##### **Willis Harrington:**

Would you one of the book lovers? If so, do you ever feeling doubt if you find yourself in the book store? Make an effort to pick one book that you never know the inside because don't determine book by its handle may doesn't work this is difficult job because you are scared that the inside maybe not while fantastic as in the outside seem likes. Maybe you answer could be OPC Unified Architecture why because the excellent cover that make you consider regarding the content will not disappoint you. The inside or content is definitely fantastic as the outside as well as cover. Your reading sixth sense will directly guide you to pick up this book.

**Download and Read Online OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm #BP56NAT4XJG**

# **Read OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm for online ebook**

OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm books to read online.

## **Online OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm ebook PDF download**

**OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm Doc**

**OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm Mobipocket**

**OPC Unified Architecture By Wolfgang Mahnke, Stefan-Helmut Leitner, Matthias Damm EPub**