



XML Schema: The W3C's Object-Oriented Descriptions for XML

By Eric van der Vlist

Download now

Read Online ➔

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist

If you need to create or use formal descriptions of XML vocabularies, the W3C's XML Schema offers a powerful set of tools for defining acceptable document structures and content. An alternative to DTDs as the way to describe and validate data in an XML environment, XML Schema enables developers to create precise descriptions with a richer set of datatypes—such as booleans, numbers, currencies, dates and times—that are essential for today's applications. Schemas are powerful, but that power comes with substantial complexity. This concise book explains the ins and outs of XML Schema, including design choices, best practices, and limitations. Particularly valuable are discussions of how the type structures fit with existing database and object-oriented program contexts. With XML Schema, you can define acceptable content models and annotate those models with additional type information, making them more readily bound to programs and objects. Schemas combine the easy interchange of text-based XML with the more stringent requirements of data exchange, and make it easier to validate documents based on namespaces. You'll find plenty of examples in this book that demonstrate the details necessary for precise vocabulary definitions. Topics include:

- Foundations of XML Schema syntax
- Flat, "russian-doll", and other schema approaches
- Working with simple and complex types in a variety of contexts
- The built-in datatypes provided by XML Schema
- Using facets to extend datatypes, including regular expression-based patterns
- Using keys and uniqueness rules to limit how and where information may appear
- Creating extensible schemas and managing extensibility
- Documenting schemas and extending XML Schema capabilities through annotations

In addition to the explanatory content, *XML Schema* provides a complete reference to all parts of both the XML Schema Structures and XML Schema Datatypes specifications, as well as a glossary. Appendices explore the

relationships between XML Schema and other tools for describing document structures, including DTDs, RELAX NG, and Schematron, as well as work in progress at the W3C to more tightly integrate XML Schema with existing specifications. No matter how you intend to use XML Schema - for data structures or document structures, for standalone documents or part of SOAP transactions, for documentation, validation, or data binding ? all the foundations you need are outlined in *XML Schema*.

 [Download XML Schema: The W3C's Object-Oriented Descrip ...pdf](#)

 [Read Online XML Schema: The W3C's Object-Oriented Descr ...pdf](#)

XML Schema: The W3C's Object-Oriented Descriptions for XML

By Eric van der Vlist

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist

If you need to create or use formal descriptions of XML vocabularies, the W3C's XML Schema offers a powerful set of tools for defining acceptable document structures and content. An alternative to DTDs as the way to describe and validate data in an XML environment, XML Schema enables developers to create precise descriptions with a richer set of datatypes?such as booleans, numbers, currencies, dates and times?that are essential for today?s applications. Schemas are powerful, but that power comes with substantial complexity. This concise book explains the ins and outs of XML Schema, including design choices, best practices, and limitations. Particularly valuable are discussions of how the type structures fit with existing database and object-oriented program contexts. With XML Schema, you can define acceptable content models and annotate those models with additional type information, making them more readily bound to programs and objects. Schemas combine the easy interchange of text-based XML with the more stringent requirements of data exchange, and make it easier to validate documents based on namespaces. You?ll find plenty of examples in this book that demonstrate the details necessary for precise vocabulary definitions. Topics include:

- Foundations of XML Schema syntax
- Flat, "russian-doll", and other schema approaches
- Working with simple and complex types in a variety of contexts
- The built-in datatypes provided by XML Schema
- Using facets to extend datatypes, including regular expression-based patterns
- Using keys and uniqueness rules to limit how and where information may appear
- Creating extensible schemas and managing extensibility
- Documenting schemas and extending XML Schema capabilities through annotations

In addition to the explanatory content, *XML Schema* provides a complete reference to all parts of both the XML Schema Structures and XML Schema Datatypes specifications, as well as a glossary. Appendices explore the relationships between XML Schema and other tools for describing document structures, including DTDs, RELAX NG, and Schematron, as well as work in progress at the W3C to more tightly integrate XML Schema with existing specifications. No matter how you intend to use XML Schema - for data structures or document structures, for standalone documents or part of SOAP transactions, for documentation, validation, or data binding ? all the foundations you need are outlined in *XML Schema*.

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist Bibliography

- Sales Rank: #642948 in Books
- Brand: O'Reilly Media
- Published on: 2002-06-15
- Original language: English
- Number of items: 1

- Dimensions: 9.19" h x .94" w x 7.00" l, 1.40 pounds
- Binding: Paperback
- 400 pages

 [Download XML Schema: The W3C's Object-Oriented Descrip ...pdf](#)

 [Read Online XML Schema: The W3C's Object-Oriented Descr ...pdf](#)

Download and Read Free Online XML Schema: The W3C's Object-Oriented Descriptions for XML

By Eric van der Vlist

Editorial Review

Review

"If you've ever wondered how complex types are defined or how you can use regular expressions inside Schema, this is the book for you." PC Plus, Christmas edition 2002 "I recommend this book as a very useful guide and reference." - Rob Hughes, Cvu, August 2003

About the Author

Eric van der Vlist is the resident expert on XML schema languages on XML.com. He is also a member of the ISO DSDL committee, where standardization work on RELAX NG and related specifications is in progress. Eric is also the author of O'Reilly's XML Schema.

Users Review

From reader reviews:

David Bergeron:

Do you have favorite book? When you have, what is your favorite's book? Publication is very important thing for us to understand everything in the world. Each book has different aim or perhaps goal; it means that book has different type. Some people truly feel enjoy to spend their time and energy to read a book. They are reading whatever they acquire because their hobby is actually reading a book. How about the person who don't like looking at a book? Sometime, man feel need book once they found difficult problem or maybe exercise. Well, probably you should have this XML Schema: The W3C's Object-Oriented Descriptions for XML.

Lillian Robbins:

The book XML Schema: The W3C's Object-Oriented Descriptions for XML can give more knowledge and information about everything you want. So just why must we leave the great thing like a book XML Schema: The W3C's Object-Oriented Descriptions for XML? A few of you have a different opinion about reserve. But one aim that book can give many facts for us. It is absolutely appropriate. Right now, try to closer along with your book. Knowledge or info that you take for that, you can give for each other; you are able to share all of these. Book XML Schema: The W3C's Object-Oriented Descriptions for XML has simple shape but you know: it has great and big function for you. You can look the enormous world by start and read a book. So it is very wonderful.

Stewart Moore:

Hey guys, do you wishes to finds a new book to read? May be the book with the subject XML Schema: The W3C's Object-Oriented Descriptions for XML suitable to you? The book was written by renowned writer in

this era. The particular book untitled XML Schema: The W3C's Object-Oriented Descriptions for XML is the main of several books that everyone read now. That book was inspired many men and women in the world. When you read this publication you will enter the new dimension that you ever know before. The author explained their concept in the simple way, therefore all of people can easily to know the core of this guide. This book will give you a lot of information about this world now. So you can see the represented of the world within this book.

Jessica Sarmiento:

Book is one of source of understanding. We can add our expertise from it. Not only for students and also native or citizen require book to know the change information of year in order to year. As we know those ebooks have many advantages. Beside we all add our knowledge, may also bring us to around the world. From the book XML Schema: The W3C's Object-Oriented Descriptions for XML we can take more advantage. Don't that you be creative people? For being creative person must like to read a book. Just simply choose the best book that suited with your aim. Don't be doubt to change your life at this book XML Schema: The W3C's Object-Oriented Descriptions for XML. You can more pleasing than now.

**Download and Read Online XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist
#D7CNMFGS4QA**

Read XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist for online ebook

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist 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 XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist books to read online.

Online XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist ebook PDF download

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist Doc

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist Mobipocket

XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist EPub

D7CNMFGS4QA: XML Schema: The W3C's Object-Oriented Descriptions for XML By Eric van der Vlist