

Learning Xslt

A comprehensive guide to XPath, XLink, and XPointer, and how these XML-based linking standards are changing the web. The text offers an overview of hypertext and hypermedia possibilities that are being developed for the web. It combines reference material with practical guidelines.

This book shows XML programmers how to use XSLT to transform XML documents.

You don't have to know everything about a car to drive one, and you don't need to know everything about Ruby to start programming with it. Written for both experienced and new programmers alike, Learning Ruby is a just-get-in-and-drive book -- a hands-on tutorial that offers lots of Ruby programs and lets you know how and why they work, just enough to get you rolling down the road. Interest in Ruby stems from the popularity of Rails, the web development framework that's attracting new devotees and refugees from Java and PHP. But there are plenty of other uses for this versatile language. The best way to learn is to just try the code! You'll find examples on nearly every page of this book that you can imitate and hack. Briefly, this book: Outlines many of the most important features of Ruby Demonstrates how to use conditionals, and how to manipulate strings in Ruby. Includes a section on regular expressions Describes how to use operators, basic math, functions from the Math module, rational numbers, etc. Talks you through Ruby arrays, and demonstrates hashes in detail Explains how to process files with Ruby Discusses Ruby classes and modules (mixins) in detail, including a brief introduction to object-oriented programming (OOP) Introduces processing XML, the Tk toolkit, RubyGems, reflection, RDoc, embedded Ruby, metaprogramming, exception handling, and other topics Acquaints you with some of the essentials of Rails, and includes a short Rails tutorial. Each chapter concludes with a set of review questions, and appendices provide you with a glossary of terms related to Ruby programming, plus reference material from the book in one convenient location. If you want to take Ruby out for a drive, Learning Ruby holds the keys.

Web developers rely on XML to separate data from presentation and create a consistent templating system for a web site. Although limited XML-to-HTML conversion is possible within some browsers, web developers creating dynamic or complex sites will find server-side XML transformation a necessity. Unfortunately, until recently, there have been few XML tools available for server-side XML transformation or authoring. AxKit, a mod_perl and Apache-based XML content delivery solution, was designed to meet that need with a cost-effective and efficient plugin architecture. AxKit allows the developer to quickly design modules to create faster web sites, and deliver them in a wide variety of media formats. AxKit also takes care of caching so the developer doesn't have to worry about it. AxKit meets the demands of the web developer nicely, but, as with any new toolkit, there is a learning curve. For developers who want to flatten that learning curve and get right to work with AxKit, XML Publishing with AxKit provides detailed information on how to install, configure, and deploy AxKit effectively. The first book solely devoted to AxKit, XML Publishing with AxKit also offers a concise and focused look at how to create XSLT and XPathScript-based pipelines for XML data transfer. This solidly useful new book presents web programmers with the hands-on knowledge they need to get really creative with AxKit. It features a thorough introduction to XSP (extensible Server Pages), which applies the concepts of Server Pages technologies (embedded code, tag libraries, etc) to the XML world, and covers integrating AxKit with other tools such as Template Toolkit, Apache::Mason, Apache::ASP, and plain CGI. The book also includes invaluable reference sections on configuration directives, XPathScript, and XSP. With XML Publishing with AxKit, web developers will have all the tools they need to deliver complex XML-based systems quickly, the power to develop their own systems for style sheet negotiation, and the flexibility to design completely new style sheet languages. XML Publishing with AxKit gives those new to XML all the background and the courage they need to jump right in and deploy AxKit. And it gives XML-savvy professionals everything they need to hit the ground running.

XSLT is a powerful language for transforming XML documents into something else. That something else can be an HTML document, another XML document, a Portable Document Format (PDF) file, a Scalable Vector Graphics (SVG) file, a Virtual Reality Modeling Language (VRML) file, Java code, or a number of other things. You write an XSLT stylesheet to define the rules for transforming an XML document, and the XSLT processor does the work. As useful as XSLT is, its peculiar characteristics make it a difficult language in which to get started. In fact, newcomers are often a little dazed on first contact. Learning XSLT offers a hands-on introduction to help them get up to speed with XSLT quickly. The book will help web developers and designers understand this powerful but often mystifying template-driven and functional-styled language, getting them over the many differences between XSLT and the more conventional programming languages. Learning XSLT moves smoothly from the simple to complex, illustrating all aspects of XSLT 1.0 through step-by-step examples that you'll practice as you work through the book. Thorough in its coverage of the language, the book makes few assumptions about what you may already know. You'll learn about XSLT's template-based syntax, how XSLT templates work with each other, and gain an understanding of XSLT variables. Learning XSLT also explains how the XML Path Language (XPath) is used by XSLT and provides a glimpse of what the future holds for XSLT 2.0 and XPath 2.0. The ability to transform one XML vocabulary to another is fundamental to exploiting the power of XML. Learning XSLT is a carefully paced, example-rich introduction to XSLT that will have you understanding and using XSLT on your own in no time.

The SharePoint user experience is critical in application architecture and user acceptance. Using tools available to all developers, Building the SharePoint User Experience will show you how to rebuild a SharePoint site, taking it all the way from the default out-of-the-box experience to your very own customized user experience. Along the way you will receive a solid understanding of the SharePoint architecture that will enable you to take full advantage of the capabilities of SharePoint as a platform. This will allow you to tailor the SharePoint user experience to increase the value of solutions and to work more effectively with projects. And that, of course, leads to successful SharePoint solutions in your business that your users are happy to accept and use. A guide for Java programmers explains how to use XSLT's ability to provide platform-independent data to build Web-based applications incorporating transformations as well as interactive Web site and wireless services.

An exploration of the relationship between XML and Office 2003, examining how the various products in the Office suite both produce and consume XML. Beginning with an overview of the XML features included in the various Office 2003 components, it provides guidance on how to import or export information from Office documents into other systems.

Covering all stages of an XML Web site project, this practical book describes the entire process of planning, implementing, and maintaining the site as an XML-based information system. Ideal for working Web developers new to XML but eager to learn and leverage its benefits, this title simplifies XML and XSLT and boils them down to just those elements that are needed.

The book covers XSLT and Xpath (as a part of XSLT), as these topics have everything to do with processing XML. It will also cover XML from an XSLT processing and design point of view. Other XML technologies will not be discussed as a superset of XSLT, most notably XSL. XSL Formatting Objects alone is enough material for an entire book. Apart from that, XSLT and Xpath form the processing/programming section of the entire XSL specification. This book presents an overview of XSLT and guides readers through transforming their first XML data. In this book you will also learn: Selecting Data-Stylesheets and Xpath Basics; Inserting text and elements in output; Copying elements from the source and inserting text; Conditional processing basics and expressions; Modularizing stylesheets; Understanding, creating, and using templates; Controlling output, as well as creating more advanced output; Using multi-file stylesheets, variables, and parameters; Working with numbers, strings, multiple XML sources, and namespaces; Selecting data based upon keys; Recursion; Creating computational stylesheets; Working with parses; Designing XML and XSLT applications; Extending XSLT.

Allowing readers to tailor cutting-edge best practices from software development to achieve success in Web development is the goal of this comprehensive guide. The book details a proven process that helps readers deliver Web projects on time, within budget, and with fewer defects.

Combining coverage of both XSLT 2.0 and XPath 2.0, this book is the definitive reference to the final recommendation status versions of both specifications. The authors start by covering the concepts in XSLT and XPath, and then delve into elements, operators, expressions with syntax, usage, and examples. Some of the specific topics covered include XSLT processing model, stylesheet structure, serialization, extensibility, and many others. In addition to online content that includes error codes, the book also has case studies you'll find applicable to your own challenges.

This book constitutes the refereed proceedings of the 23rd International Conference on Conceptual Modeling, ER 2004, held in Shanghai, China, in November 2004. The 57 revised full papers presented together with three invited contributions and 8 demonstration and poster papers were carefully reviewed and selected from 295 submissions. The papers are organized in topical sections on conceptual modeling, datawarehouses, schema integration, data classification and mining, web-based information systems, query processing, web services, schema evolution, conceptual modeling applications, UML, XML modeling, and industrial presentations.

Special Edition Using XSLT starts with an overview explaining how XSLT fits into the bigger picture of the Extensible Stylesheet Language, and the differences between XSLT and XSL-FO. It then demonstrates practical examples of XSL transformations from XML to a variety of other useful formats including HTML, PDF, SVG and others. Later chapters discuss developer techniques for implementing XSLT within dynamic web environments including ASP and JSP. The author also covers debugging techniques and how XSLT relates to .NET. The book finishes with a useful reference section including detailed coverage of XSLT, XPath and XSL-FO.

Provides information on the basics of Ajax to create Web applications that function like desktop programs.

Utilizes real-world examples to demonstrate how XSLT (Extensible Stylesheet Language Transformations) stylesheets can be used with XML data and documents to create such applications as sound files, HTML, WML, graphics (SVG), and Braille, and discusses the relationship of XSLT and XPath to other web standards. Original.

(Intermediate/Advanced)

Presents a collection of detailed code recipes that breaks down everyday XSLT problems into manageable chunks. This work enables you learn how to transform XML documents into PDF files, SVG files, and HTML documents.

Finally, a ground-up, quick-start approach to XSLT that teaches not just the language, but XML processing solutions. XSLT Jumpstarter approaches the subject like no other book, using examples that ease you through the basic concepts while demonstrating how to solve common problems. It doesn't unload language elements on you, it shows how to create HTML output, rearrange and modify XML nodes, manipulate text, conditionalize processing, make global changes, perform grouping and sorting, and implement strategies for re-using templates and stylesheets. XSLT Jumpstarter offers a hands-on, jump-in-the-water approach that will launch you over the XSLT learning curve! Get your XML under control with XSLT Jumpstarter. XML is everywhere in data and web technology, and XSLT was created specifically to transform XML into all kinds of text output, including HTML, XML, SVG, and others. You'll start with example solutions that introduce the range of XSLT possibilities. You'll get the processing concepts behind XSLT; how to create and manipulate output; how to make global changes to XML; how to use conditional instructions, XPath, and XSLT functions for complex controls; how to sort and group your output; and techniques for large-scale stylesheet management. Using a browser-based XSLT processor, you'll immediately transform XML with no setup time. You'll set up a stand-alone XSLT processor controlled from the command line. You'll get a clear view into the basic XSLT processing model so you can put it to work. Throughout the book, you'll see elements of XSLT working together in solutions to common XML processing problems. And you'll get a thorough analysis of the solutions, giving you the understanding to modify examples or create your own XSLT from scratch. This is not another XSLT reference, but an accessible guide that gets your hands dirty with a solution-oriented approach. Filled with practical examples and detailed explanations, this book is designed to kickstart the XSLT newbie into action.

This book has two objectives--to provide a comprehensive reference on using XML with Python; and to illustrate the practical applications of these technologies in an enterprise environment with examples.

Is Ajax a new technology, or the same old stuff web developers have been using for years? Both, actually. This book demonstrates not only how tried-and-true web standards make Ajax

possible, but how these older technologies allow you to give sites a decidedly modern Web 2.0 feel. Ajax: The Definitive Guide explains how to use standards like JavaScript, XML, CSS, and XHTML, along with the XMLHttpRequest object, to build browser-based web applications that function like desktop programs. You get a complete background on what goes into today's web sites and applications, and learn to leverage these tools along with Ajax for advanced browser searching, web services, mashups, and more. You discover how to turn a web browser and web site into a true application, and why developing with Ajax is faster, easier and cheaper. The book also explains: How to connect server-side backend components to user interfaces in the browser Loading and manipulating XML documents, and how to replace XML with JSON Manipulating the Document Object Model (DOM) Designing Ajax interfaces for usability, functionality, visualization, and accessibility Site navigation layout, including issues with Ajax and the browser's back button Adding life to tables & lists, navigation boxes and windows Animation creation, interactive forms, and data validation Search, web services and mash-ups Applying Ajax to business communications, and creating Internet games without plug-ins The advantages of modular coding, ways to optimize Ajax applications, and more This book also provides references to XML and XSLT, popular JavaScript Frameworks, Libraries, and Toolkits, and various Web Service APIs. By offering web developers a much broader set of tools and options, Ajax gives developers a new way to create content on the Web, while throwing off the constraints of the past. Ajax: The Definitive Guide describes the contents of this unique toolbox in exhaustive detail, and explains how to get the most out of it.

Here is your best companion to the capabilities and power that PowerShell offers. Inside this book, you'll discover the object-oriented features of the shell and how they help in extracting and manipulating data. You'll then learn how to use those features to solve real-world problems: manipulating files, working with text, monitoring systems, and performing operations over the network. In addition, you'll find freely available tools and extensions that help you get results with Windows PowerShell fast.

Explains how XPath provides a route for finding specific items within an XML document, while XPointer extends XPath to identify more complex parts of documents.

A tutorial explaining how to use the Extensible Stylesheet Language Transformation to convert elements to attributes and read in multiple documents at once offers a syntax reference and discusses XSLT processors.

The LNCS Journal on Data Semantics is devoted to the presentation of notable work that addresses research and development on issues related to data semantics. Based on the highly visible publication platform Lecture Notes in Computer Science, this new journal is widely disseminated and available worldwide. The scope of the journal ranges from theories supporting the formal definition of semantic content to innovative domain-specific applications of semantic knowledge.

Platinum Edition XHTML, XML and Java 2 is separated into several sections, each of which focuses on a specific technology, including XHTML, XML, JavaScript, Dynamic HTML, CGI programming with Perl, Server-side Programming with ASP, ColdFusion and PHP, and Java 2. Throughout the book, the authors focus on the features and benefits of each technology, giving readers a well-rounded education in current web development tools and techniques. In addition, the authors demonstrate the value of combining various technologies (such as Java and XML) for more powerful web solutions.

A tutorial introducing Java basics covers programming principles, integrating applets with Web applications, and using threads, arrays, and sockets.

Provides the basic education in the XSLT processing model that developers have requested The growth of XML content management applications is boosting the demand for XSLT and XPath skills. This beginning Wrox book provides a firm foundation in the XSLT processing model, giving developers an important skillset. If, like many developers, you've had trouble grasping the XSLT processing model, you'll appreciate how this book focuses specifically on what you need to know. XSLT examples address the often-requested processing steps for typical XML document and data vocabularies. You will see exactly how XSLT relies on XPath, and how the processing model differs from most programming languages. A case study demonstrates how to build a static Web site using XSLT 2.0 elements and XPath 2.0 functions. Explains XSLT and XPath, covering both version 1.0 and 2.0 Covers using templates, control and branching, variable and parameters, sorting and grouping, and using modular stylesheets Also examines strings, dates, and numbers; working with multiple documents and text; generating identifiers; and testing and documentation All topics contain incremental code examples Addresses the much-requested processing steps for typical XML document and data vocabularies, including how the processing model differs from most programming languages Beginning XSLT and XPath: Transforming XML Documents and Data is the essential guide you need to thoroughly understand the important XSLT processing model. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Learning XSLTA Hands-On Introduction to XSLT and XPath"O'Reilly Media, Inc."

Looks at the XML features of .NET, covering such topics as XmlReader implementations, Document Object Model, XPath, SOAP, W3C XML schema, and ADO.NET.

Discusses the convergence of knowledge and learning management and provides state-of-the art knowledge with a semantic web perspective.

This second edition of the bestselling Learning XML provides web developers with a concise but grounded understanding of XML (the Extensible Markup Language) and its potential-- not just a whirlwind tour of XML. The author explains the important and relevant XML technologies and their capabilities clearly and succinctly with plenty of real-life projects and useful examples. He outlines the elements of markup--demystifying concepts such as attributes, entities, and namespaces--and provides enough depth and examples to get started. Learning XML is a reliable source for anyone who needs to know XML, but doesn't want to waste time wading through hundreds of web sites or 800 pages of bloated text. For writers producing XML documents, this book clarifies files and the process of creating them with the appropriate structure and format. Designers will learn what parts of XML are most helpful to their team and will get started on creating Document Type Definitions. For programmers, the book makes syntax and structures clear. Learning XML also discusses the stylesheets needed for viewing documents in the next generation of browsers, databases, and other devices. Learning XML illustrates the core XML concepts and language syntax, in addition to important related tools such as the CSS and XSL styling languages and the XLink and XPointer specifications for creating rich link structures. It includes information about three schema languages for validation: W3C Schema, Schematron, and RELAX-NG, which are gaining widespread support from people who need to validate documents but aren't satisfied with DTDs. Also new in this edition is a chapter on XSL-FO, a powerful formatting language for XML. If you need to wade through the acronym soup of XML and start to really use this powerful tool, Learning XML, will give you the roadmap you need.

Essential Skills--Made Easy! Get started programming in XML right away with help from this hands-on tutorial. XML: A Beginner's Guide explains how to store data in and retrieve data from XML documents, format data with Cascading Style Sheets, display data in Web browsers, and use Java and JavaScript. The book covers the latest innovations in XML, including Ajax, XHTML, XPath 2.0, XSLT 2.0, and the new XQuery specification. Now it's easier than ever to learn how to create your own XML solutions! Designed for Easy Learning: Key Skills & Concepts--Lists of specific skills covered in the chapter Try

This--Hands-on exercises that show how to apply your skills Numerous screenshots--Examples that illustrate real-world results Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated

Your Personal Trainer for XSL! To learn how to use XSL, you need practical hands-on advice from an expert who understands what it is like to just start out. By working step by step through document structures, template rules, stylesheet transformations, and formatting objects, you can master XSL fundamentals while learning how to transform structured data into any output format needed from HTML to XHTML to program source code. This book is designed for anyone who wants to learn XSL, including those who create or support XML applications and XML-based solutions. Inside, you'll find comprehensive overviews, step-by-step procedures, frequently used tasks, documented examples, and much more. One of the goals is to keep the content so concise that the book remains compact and easy to navigate while at the same time ensuring that the book is packed with as much information as possible--making it a valuable resource. Learning XSL doesn't have to be a frustrating experience, you can use XSL: The Personal Trainer for XSLT, XPath and XSL-FO to learn everything you need to use XSL and related technologies effectively. Look also for XML, DTDs, Schemas: The Personal Trainer.

The FileMaker Pro 10 desktop database lets you do almost anything with the information you give it -- especially with this book as your guide. Clear, thorough, and accessible, FileMaker Pro 10: The Missing Manual helps you get in, build your database, and get the results you need, whether you're running a business, pursuing a hobby, or planning your retirement. It's the ideal guide for non-technical and experienced folks alike. Each chapter in this fully updated edition covers the latest timesaving features of FileMaker Pro 10, including saved finds and a redesigned toolbar that reveals information and features more clearly than ever. You'll learn how to import information from the new Bento consumer database (Mac only), write scripts to make your database even easier to use, and send email without leaving FileMaker. With this book, you will: Get your first database running in minutes and perform basic tasks right away Catalog people, processes, and things with streamlined data entry and sorting tools Use your data to generate reports, correspondence, and other documents with ease Create, connect, and manage multiple tables and set up complex relationships that display just the data you need Crunch numbers, search text, or pin down dates and times with dozens of built-in formulas Outfit your database for the Web, and import and export data to other formats You'll also get objective advice on which features are really useful, and which aren't. To make the most of this database, you need FileMaker Pro 10: The Missing Manual -- the book that should have been in the box.

No matter how flexible and convenient digital information has become, we haven't done away with the need to see information in print. Extensible Style Language-Formatting Objects, or XSL-FO, is a set of tools developers and web designers use to describe page printouts of their XML (including XHTML) documents. If you need to produce high quality printed material from your XML documents, then XSL-FO provides the bridge.XSL-FO is one of the few books to go beyond a basic introduction to the technology. While many books touch on XSL-FO in their treatment of XSLT, this book offers in-depth coverage of XSL-FO's features and strengths. Author Dave Pawson is well known in the XSLT and XSL-FO communities, and maintains the XSLT FAQ. An online version of this book has helped many developers master this technology. XSL-FO is the first time this reference is available in print.The first part of the book provides an overview of the technology and introduces the XSL-FO vocabulary. The author discusses how to choose among today's implementations, explains how to describe pages, and shows you what is going on in the processor in terms of layout. You'll learn about the basics of formatting and layout as well as readability.The second part focuses on smaller pieces: blocks, inline structures, graphics, color and character level formatting, concluding by showing how to integrate these parts into a coherent whole. XSL-FO also explores organizational aspects you'll need to consider?how to design your stylesheets strategically rather than letting them evolve on their own.XSL-FO is more than just a guide to the technology; the book teaches you how to think about the formatting of your documents and guides you through the questions you'll need to ask to ensure that your printed documents meet the same high standards as your computer-generated content. Written for experienced XML developers and web designers, no other book contains as much useful information on this practical technology.

XQuery is the best language for querying, manipulating, and transforming XML and JSON documents. Because XML is in many ways the lingua franca of the digital humanities, learning XQuery empowers humanists to discover and analyze their data in new ways. Until now, though, XQuery has been difficult to learn because there was no textbook designed for non- or beginner programmers. XQuery for Humanists fills this void with an approachable guidebook aimed directly at digital humanists. Clifford B. Anderson and Joseph C. Wicentowski introduce XQuery in terms accessible to humanities scholars and do not presuppose any prior background in programming. It provides an informed, opinionated overview and recommends the best implementations, libraries, and paradigms to empower those who need it most. Emphasizing practical applicability, the authors go beyond the XQuery language to include the basics of underlying standards like XPath, related standards like XQuery Full Text and XQuery Update, and explain the difference between XQuery and languages like Python and R. This book will afford readers the skills they need to build and analyze large-scale documentary corpora in XML. XQuery for Humanists is immeasurably valuable to instructors of digital humanities and library science courses alike and likewise is a ready reference for faculty, graduate students, and librarians who seek to master XQuery for their projects.

A tutorial and reference to Extensible Stylesheet Language Transformation explains how to transform XML to HTML, work with the W3C standard, and master XPath expressions.

Restructuring information in an XML document so that it works in other formats used to be a time-consuming ordeal involving lots of blood, sweat, and tears. Now XSLT

(Extensible Stylesheet Language Transformations) makes the process nearly instantaneous. Just provide an example of the kind of information you'd like to see, and XSLT does the rest. With XSLT you can effortlessly transform XML documents into virtually any kind of output, including other XML documents and HTML pages. But mastering XSLT can be tricky, especially if you've never worked with XML or HTML; and most books on the subject are written for people who have. Here comes XSLT For Dummies to the rescue! XSLT For Dummies is your ticket to quickly mastering XSLT—no matter what your prior programming experience. Writing in easygoing, plain English, XML pro Richard Wagner provides expert advice, step-by-step guidance, and tons of crystal-clear examples to help you harness the power of XSLT to transform documents. In no time you'll: Understand how XSLT works with XSL and XPath Experiment with templates, stylesheets, and expressions Perform HTML transformations Master XPath data types and functions Combine XSLT stylesheets Explore cool XSLT programming tricks XSLT For Dummies works from the ground up, starting with a practical introduction of the "X-Team"—XML, XSL, XSLT, and XPath—and instructions on how to write a XSLT stylesheet. From there it quickly moves onward and upward through the whole range of important XSLT topics, including: Transforming with stylesheets Understanding and using template rules Using XPath to locate nodes in XML documents Combining XSLT stylesheets and adding processing instructions Debugging XSLT transformations Ten XSLT processors available online It doesn't matter whether you're a babe in the woods who can't tell a "tag" from an element, or you're an old pro at creating XML documents, XSLT For Dummies offers you a fun, easy way to explore and take full advantage of Extensible Stylesheet Language Transformations.

Inside XSLT is designed to be a companion guide to Inside XML. This example oriented book covers XML, HTML, Music, XML with Java, style sheet creation and usage, nodes and attributes, sorting data, creating XPath expressions, using XPath and XSLT functions, namespaces, names templates, name variables, designing style sheets and using XSLT processor API's, the 56 XSL formatting objects, the XSLT DTD, and much more. In order to work with XML fully, you need to be up to speed with XSLT since XSLT is the technology that transforms XML to a workable format. Readers are looking for the follow-up book to Inside XML and this is it.

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