

# Delphi Xml Document

Discusses the classes and components, new features, and programming DLLs of the development environment, and its relationships with databases and the Internet.

Use structural, behavioral, and concurrent patterns in Delphi to skillfully develop applications

Key Features Delve into the core patterns and components of Delphi to enhance your application's design

Learn how to select the right patterns to improve your program's efficiency and productivity

Discover how parallel programming and memory management can optimize your code

Book Description Delphi is a cross-platform Integrated Development Environment (IDE) that supports rapid application development for most operating systems, including Microsoft Windows, iOS, and now Linux with RAD Studio 10.2. If you know how to use the features of Delphi, you can easily create scalable applications in no time. This Learning Path begins by explaining how to find performance bottlenecks and apply the correct algorithm to fix them. You'll brush up on tricks, techniques, and best practices to solve common design and architectural challenges. Then, you'll see how to leverage external libraries to write better-performing programs. You'll also learn about the eight most important patterns that'll enable you to develop and improve the interface between items

and harmonize shared memories within threads. As you progress, you'll also delve into improving the performance of your code and mastering cross-platform RTL improvements. By the end of this Learning Path, you'll be able to address common design problems and feel confident while building scalable projects. This Learning Path includes content from the following Packt products: Delphi High Performance by Primož Gabrijel?i? Hands-On Design Patterns with Delphi by Primož Gabrijel?i? What you will learn Understand parallel programming and work with the various tools included with Delphi Explore memory managers and their implementation Leverage external libraries to write better-performing programs Keep up to date with the latest additions and design techniques in Delphi Get to grips with various modern multithreading approaches Break a design problem down into its component parts Who this book is for This Learning Path is for intermediate-level Delphi programmers who want to build robust applications using Delphi features. Prior knowledge of Delphi is assumed.

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.

This book is your guide to visual programming with Delphi and FireMonkey (FMX). FMX is a cross-platform application framework that helps you deliver modern applications with a Graphical User Interface (GUI). You will learn FMX's UI-related features and capabilities together with useful techniques to achieve a rich user experience (UX).

This book constitutes the thoroughly refereed postproceedings of the Third International Workshop on Rapid Integration of Software Engineering Techniques, RISE 2006, held in Geneva, Switzerland, September 2006. It covers a wide spectrum in software engineering, including software and system architectures, software reuse, software testing, extreme programming, agile software development, and software dependability and trustworthiness.

This book constitutes the refereed proceedings of the 8th International Conference on Database Theory, ICDT 2001, held in London, UK, in January 2001. The 26 revised full papers presented together with two invited papers were carefully reviewed and selected from 75 submissions. All current issues on database theory and the foundations of database systems are addressed. Among the topics covered are database queries, SQL, information retrieval,

database logic, database mining, constraint databases, transactions, algorithmic aspects, semi-structured data, data engineering, XML, term rewriting, clustering, etc.

Still the Best Delphi Resource--Now Fully Updated and Expanded Whether you're new to Delphi or just making the move from an earlier version, Mastering Delphi 7 is the one resource you can't do without. Practical, tutorial-based coverage helps you master essential techniques in database, client-server, and Internet programming. And the insights of renowned authority Marco Cantù give you the necessary knowledge to take advantage of what's new to Delphi 7--particularly its support for .NET. Coverage includes: \* Creating visual web applications with IntraWeb \* Writing sockets-based applications with Indy \* Creating data-aware controls and custom dataset components \* Creating database applications using ClientDataSet and dbExpress \* Building client-server applications using InterBase \* Interfacing with Microsoft's ADO \* Programming for a multi-tiered application architecture \* Taking advantage of Delphi's support for COM, OLE Automation, and COM+ \* Taking advantage of Delphi's XML and SOAP support \* Implementing Internet protocols in your Delphi app \* Creating UML class diagrams using ModelMaker \* Visually preparing reports using RAVE \* Using the Delphi language to create your first .NET programs

This book is a result of ISD2000-The Ninth International Conference on Information Systems Development: Methods and Tools, Theory and Practice, held August 14-16, in Kristiansand, Norway. The ISD conference has its roots in the first Polish Scandinavian Seminar on Current Trends in Information Systems Development Methodologies, held in Gdansk, Poland in 1988. This year, as the conference carries into the new millennium this fine tradition, it was fitting that it returned to Scandinavia. Velkommen tilbake! Next year, ISD crosses the North Sea and in the traditions of the Vikings, invades England. Like every ISD conference, ISD2000 gave participants an opportunity to express ideas on the current state of the art in information systems development, and to discuss and exchange views about new methods, tools and applications. This is particularly important now, since the field of ISD has seen rapid, and often bewildering, changes. To quote a Chinese proverb, we are indeed cursed, or blessed, depending on how we choose to look at it, to be "living in interesting times".

Still the Best Delphi Resource A Fully Revised Version of the Book That Won the Delphi Informant Readers Choice Award If you're looking to capitalize on the powerful capabilities of the latest release of Delphi, Mastering Delphi 6 is the one resource you can't do without. Practical, tutorial-based coverage helps you develop key skills, solve tough problems, and build and implement

sophisticated functionality in your database, client/server, and Internet applications. The special insights of Delphi expert Marco Cantu you an extra advantage as you complete successful projects and progress towards Delphi mastery. Coverage includes: Getting to know the new run-time library (RTL) Learning to use the VCL and CLX visual libraries Developing custom components Creating data-aware controls and custom datasets Mastering database programming with BDE and dbExpress Mastering client/server programming with InterBase Interfacing with Microsoft's ADO using the dbGo component set Taking advantage of Delphi's support for COM, OLE Automation, and COM+ Programming for a multitiered application architecture Taking advantage of Delphi's support for XML and SOAP technologies Building practical, powerful Web applications Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Herodotus was an ancient Greek historian who lived in the fifth century BC (c.484 - 425 BC). He has been called the "Father of History", and was the first historian known to collect his materials systematically, test their accuracy to a certain extent and arrange them in a well-constructed and vivid narrative. The Histories-his masterpiece and the only work he is known to have produced-is a record of his "inquiry", being an investigation of the origins of the Greco-Persian Wars and including a wealth of geographical and ethnographical information. The Histories, were divided into nine books, named after the nine Muses: the "Muse

of History", Clio, representing the first book, then Euterpe, Thaleia, Melpomene, Terpsichore, Erato, Polymnia, Ourania and Calliope for books 2 to 9, respectively.

IT changes everyday's life, especially in education and medicine. The goal of ITME 2013 is to further explore the theoretical and practical issues of IT in education and medicine. It also aims to foster new ideas and collaboration between researchers and practitioners.

XML Schemas will take over from DTDs as the primary method of defining XML data. Some of the most powerful reasons for using XML Schemas are their ability to: validate much more powerfully with extended constraint mechanisms; the ability to create your own datatypes; dynamically bind instance documents to schemas at run time; be used with existing XML tools as they are written in XML syntax; support namespaces; and merge schemas into one.

Quickly learn and employ practical recipes for developing real-world, cross-platform applications using Delphi. Key Features Get to grips with Delphi to build and deploy various cross-platform applications Design and deploy real-world apps by implementing a single source codebase Build robust and optimized GUI applications with ease Book Description Delphi is a cross-platform integrated development environment (IDE) that supports rapid application development on different platforms, saving you the pain of wandering amid GUI widget details or having to tackle inter-platform incompatibilities. Delphi Cookbook begins with the basics of Delphi and gets you acquainted with JSON format strings, XSLT

transformations, Unicode encodings, and various types of streams. You'll then move on to more advanced topics such as developing higher-order functions and using enumerators and run-time type information (RTTI). As you make your way through the chapters, you'll understand Delphi RTL functions, use FireMonkey in a VCL application, and cover topics such as multithreading, using a parallel programming library and deploying Delphi on a server. You'll take a look at the new feature of WebBroker Apache modules, join the mobile revolution with FireMonkey, and learn to build data-driven mobile user interfaces using the FireDAC database access framework. This book will also show you how to integrate your apps with Internet of Things (IoT). By the end of the book, you will have become proficient in Delphi by exploring its different aspects such as building cross-platforms and mobile applications, designing server-side programs, and integrating these programs with IoT. What you will learn

- Develop visually stunning applications using FireMonkey
- Deploy LiveBinding effectively with the right object-oriented programming (OOP) approach
- Create RESTful web services that run on Linux or Windows
- Build mobile apps that read data from a remote server efficiently
- Call platform native API on Android and iOS for an unpublished API
- Manage software customization by making better use of an extended RTTI
- Integrate your application with IOT

Who this book is for  
Delphi Cookbook is for intermediate developers with a basic knowledge of Delphi who want to discover and understand all the development possibilities offered by it.

bull; Written by Goldfarb, the creator of markup language technology. bull; New coverage includes Microsoft's Desktop XML initiative, server-based publishing, Topic Maps, 'rich-client' Web services, SOAP 1.2, XPath 2.0 and more. bull; Includes two CD-ROMs with a remarkable library of no-time-limit XML freeware programs & -- over 200 of them, indexed and linked by Topic Maps!

Build fast, scalable, and high performing applications with Delphi Key Features Build efficient and concurrent applications in Delphi with focused examples Identify performance bottlenecks and apply the correct algorithm to increase the performance of applications. Delve into parallel programming and memory management to optimize your code Book Description Delphi is a cross-platform Integrated Development Environment (IDE) that supports rapid application development for Microsoft Windows, Apple Mac OS X, Google Android, iOS, and now Linux with RAD Studio 10.2. This book will be your guide to build efficient high performance applications with Delphi. The book begins by explaining how to find performance bottlenecks and apply the correct algorithm to fix them. It will teach you how to improve your algorithms before taking you through parallel programming. You'll then explore various tools to build highly concurrent applications. After that, you'll delve into improving the performance of your code and master cross-platform RTL improvements. Finally, we'll go through memory management with Delphi and you'll see how to leverage several external libraries to write better performing programs. By the end of the book, you'll

have the knowledge to create high performance applications with Delphi. What you will learn Find performance bottlenecks and easily mitigate them Discover different approaches to fix algorithms Understand parallel programming and work with various tools included with Delphi Master the RTL for code optimization Explore memory managers and their implementation Leverage external libraries to write better performing programs Who this book is for This book is for Delphi developers who would like to build high performance applications with Delphi. Prior knowledge of Delphi is assumed.

\* Good coverage of C# as well as Delphi for .NET. \* Not a part of a Delphi book – tightly focused on what's new which includes the FCL overview that you need to make sense of the Microsoft documentation. \* Particularly clear and well-written.

After a decade of major technical and theoretical advancements in the area, the scope for exploitation of database technology has never been greater. Neither has the challenge. This volume contains the proceedings of the 17th British National Conference on Databases (BNCOD 2000), held at the University of Exeter in July 2000. In selecting the quality papers presented here, the programme committee was particularly interested in the demands being made on the technology by emerging application areas, including web applications, push technology, multimedia data, and data warehousing. The concern remains the same: satisfaction of user requirements on quality and performance. However, with increasing demand for timely access to heterogeneous

data distributed on an unregulated Internet, new challenges are presented. Our three invited speakers develop the theme for the conference, considering new dimensions concerning user requirements in accessing distributed, heterogeneous information sources. In the first paper presented here, Gio Wiederhold reflects on the tension between requirements for, on the one hand, precision and relevance and on the other completeness and recall in relating data from heterogeneous resources. In resolving this tension in favour of the former, he maintains that this will fundamentally affect future research directions. Sharma Chakravarthy adds another dimension to the requirement on information, namely timeliness. He shares a vision of just-in-time information delivered by a push technology based on reactive capabilities. He maintains that this requires a paradigm shift to a user-centric view of information.

Scenario -- Groundwork -- Structure -- Meaning -- Modeling processes -- Communication -- Navigation and discovery -- Presentation formats -- Infrastructure -- Solutions.

Introducing programmers to all of Delphi 4's new features and techniques, this reference explores secrets of the environment, the programming language, the custom components, and Windows 95 programming in general. The CD-ROM contains Delphi third party products, advanced debuggers, code optimization tools, and ready-to-use ActiveX examples.

Delphi Developer's Guide to XMLCreatespace  
Independent Pub

Written by high-profiles representatives of the

C++Builder-developer community, this book provides: insight into and how to use the new features; developer-to-developer coverage of critical areas of software development; a free set of components on the CD-ROM, and detailed coverage of C++Builder-specific development strategies, library usage and interface features.

Delphi Developer's Guide to XML, 2nd Edition explains how to apply the power and flexibility of Delphi to XML, the Extensible Markup Language. This title is targeted at Delphi developers who want to use the power of XML in their applications. XML and related specifications (including XPath, XSL, XSLT, and XML Schema) are transforming the Internet and business-to-business (B2B) communications, defining a data format that is platform- and language-independent. Standardized access to XML documents is provided via the Document Object Model (DOM) and Simple API for XML (SAX) specifications. These XML processors allow more efficient handling of documents as well as the ability to move information between platforms such as Microsoft Windows and Unix.

Over 60 hands-on recipes to help you master the power of Delphi for cross-platform and mobile development on multiple platforms About This Book Get to grips with Delphi to build and deploy various cross-platform applications Design, develop, and deploy real-world applications by implementing a single source codebase This swift guide will increase your productivity to develop applications with Delphi Who This Book Is For If you are an intermediate developer with a basic knowledge of

Delphi and you want to develop cross-platform applications, then this book is for you. Familiarity with the fundamentals of RAD (Rapid Application Development) Studio is expected. What You Will Learn Develop visually stunning applications using FireMonkey Deploy LiveBinding effectively with the right OOP approach Create server-side programs to serve RESTful web services and provide data to your mobile apps Use well-defined GUI design patterns to build mobile applications that provide a great user experience Build mobile apps that read data from a remote server efficiently Call the platform native API on Android and iOS even for an unpublished API Manage software customization for your customer by making better use of an extended RTTI Implement the most popular design pattern without wasting too much time on debugging and bug fixing In Detail Delphi is a cross-platform Integrated Development Environment (IDE) that supports rapid application development for Microsoft Windows, Apple Mac OS X, Google Android, and Apple iOS. It helps you to concentrate on the real business and save yourself the pain of wandering amid GUI widget details, or having to tackle inter-platform incompatibilities. It also has a wide range of drag-and-drop controls, helping you code your business logic into your business model, and it compiles natively for desktop and mobile platforms. This book will teach you how to design and develop applications, deploy them on the cloud platform, and distribute them within an organization via Google Play and other similar platforms. You will begin with the basics of Delphi and get acquainted with JSON format strings, XSLT

transformations, unicode encodings and various types of streams. We then move on to more advanced topics such as developing higher-order functions and using enumerators and RTTI. You will get an understanding of how Delphi RTL functions and how to use FireMonkey in a VCL application. We will then cover topics such as multithreading, using the parallel programming library and putting Delphi on a server. We will also take a look at the new feature of WebBroker Apache modules and then ride the mobile revolution with FireMonkey. By the end of the book, you will be able to develop and deploy cross-platform applications using Delphi. Style and approach Delphi Cookbook is an easy-to-follow guide, rich with hands-on examples of real-world programming tasks in Delphi.

Intended for professional developers working in Delphi who are looking for a way to move into the sphere of new programming technology for e-business, this guide discusses specific Delphi tools and technologies and enables developers to take advantage of the RAD technique with the new version of Delphi for creating Web services. Emphasis is given to the development of data processing using the XML and SOAP protocol and to the creation of Web services based on its capabilities. Also covered are all aspects of working with databases—data presentation; local, client-server, and distributed systems; and technologies of accessing data, from BDE to dbExpress and dbGO. ????? ??? ????? ????? ??????? ?? ?????? ftp://ftp.bhv.ru/5941571429.zip This book provides an introduction to the creation and management of macros in OpenOffice.

Numerous examples and explanations demonstrate proper techniques and discuss known problems and solutions. The underlying data structure is discussed and techniques are introduced to evaluate OpenOffice objects, facilitating the use of returned objects in the absence of sufficient documentation. This is a clear, concise guide to the synergies between XML and PHP, many of which are not immediately visible to intermediate developers. The book demonstrates how PHP and XML can be combined to build cutting-edge Web applications. It includes detailed explanations of PHP's XML extensions, together with illustrations of using PHP to parse, validate and transform XML markup. If you're a Java(TM) programmer working with XML, you probably already use some of the tools developed by the Apache Software Foundation. This book is a code-intensive guide to the Apache XML tools that are most relevant for Java developers, including Xerces, Xalan, FOP, Cocoon, Axis, and Xindice. Theodore Leung, a founding member of the Apache XML Project, focuses on the unique capabilities of these best-of-breed XML tools. With the help of a sample application, he demonstrates how you can use them in unison to develop professional XML/Java applications for the real world. If you need in-depth information to help you assemble a workable toolbox for developing sophisticated XML-based applications, you'll find it in

this volume. What you will learn from this book How the Apache XML Project relates to Java programming When you'll need some of Xerces' extra parsing features, like grammar caching How to use Xalan's XSLTC to compile XSLT stylesheets into Java Prerequisites and applications for FOP and Batik Cocoon concepts and development Development techniques and practical usage for Xindice How to develop back-end applications with XML RPC and Axis Applications and concepts for XML Security Who this book is for This book is written for professional Java developers who have had some exposure to XML and XSLT. To get the most from it, you should be familiar with Java, Java Web development technologies (e.g., servlets), and the command line Java tools. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job. This publication focuses on two main aspects; the seamless integration of XML and persistency concepts into the object-oriented programming language Java. XML is the de facto standard data exchange format between arbitrary applications.

There have been many efforts to integrate XML into programming languages reaching from the simple document object model (DOM) to whole XML class generators. These approaches are available in most popular programming languages. The integration of persistency into programming languages has been done by database programming languages as well as by certain new popular frameworks like Hibernate or approaches like EJB. Nevertheless, these approaches suffer from certain limitations concerning in particular transparency and object-orientation. While existing database programming languages integrate the relational model, Hibernate and EJB 3.x does not support polymorphism in general. EJB 2.x does not even support inheritance. In addition, although they try to, the approaches except by some database programming languages are not transparent. In this work, transparency means that arbitrary types may become persistent. Moreover, algorithms remain unchanged whether they are executed on transient or persistent objects. Finally, users can work with persistency on a very high level. Since there are so many currently developed frameworks trying to solve the integration problem of XML and persistency into object-oriented programming languages, the need for a holistic and transparent object-oriented database programming language seems to be there. The starting point of XOBEDBPL, which stands for XML OBJects

Database Programming Language, is the predecessor project XOBEDBPL. XOBEDBPL concentrates on the integration of XML objects and XPath as the query language for these objects. The most important feature of XOBEDBPL is that each XML operation is statically type checked against the declared XML schema. In XOBEDBPL the XML integration is extended regarding the manipulation of XML objects. Before, XML objects could only be queried but not updated. The static type checking idea is kept and enhanced to include updates. While XOBEDBPL's intentions lie on the development of web applications, all objects can remain transient. XOBEDBPL is supposed to deal with persistent objects as well.

PLEASE PROVIDE COURSE INFORMATION  
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If you're looking to capitalize on the powerful capabilities of Delphi 8, this is your essential resource. Named "Best Book" by Delphi Informant magazine, its practical, tutorial-based coverage helps you develop key skills, solve tough problems, and build functionality in your applications.

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.

For the most up-to-date information on one of the hottest new markup languages, look to Presenting

XML. With this easy-to-follow guide, you'll master the basic concepts and technical details you need to expand your knowledge and understanding of XML. Written by an industry expert with years of real-world experience, this reference takes you on an introductory tour of this robust technology, and it shows you how the technology can work to your advantage. You'll learn to create XML documents, use markup to fine-tune style, link with XML, and develop XML applications. In addition, you'll find out how XML is being used today and what impact it will have in the future. With *Presenting XML*, you'll get a quick, efficient introduction to XML and everything it has to offer, and you'll learn why this dynamic markup language is the wave of the future.

Intended to refresh the basics of Delphi as well as advance your knowledge to the next level, it is assumed you will know RAD studio and the Object Pascal language. However, if you are not an experienced RAD studio programmer this accessible guide will still develop those initial crucial skills.

0672324806.Id The definitive guide to the latest version of Borlands powerful C++Builder. Provides complete coverage of C++Builder Web Services development, now a key component of C++Builder. Borland C++Builder remains best in class IDE over the past 5 years for C++ solutions. Written by a team of top C++Builder experts with expertise in a variety of technical areas related to C++ application development. C++Builder 6 Developers Guide is revised for the latest version of C++Builder, the biggest update to C++Builder in years. C++Builder is an ANSI C++ IDE. The version 6 adds BizShape, a tool to build Web Services using

XML/SOAP, .NET, and BizTalk from Microsoft, and SunONE from Sun Microsystems. Other new components include WebSnap for Web application development, DataSnap for database development, and CLX, which allows cross-platform development for Unix and Linux. The new NetCLX Internet components allow development of cross-platform applications with Apache, Microsoft IIS, and Netscape Web Server applications. C++Builder 6 Developers Guide continues as the definitive guide for Borlands C++Builder, providing a clear and concise reference for C++ developers. C++Builder Developers Guide is a unique combination of over 35 C++Builder experts from around the globe. This team brings hundreds of thousands of working hours in professional software development to the creation of this extensive work. Leading the team are Jarrod Hollingworth, Bob Swart, Mark Cashman. and Paul Gustavson. Jarrod is running Backslash (<http://www.backslash.com;au>), loping software applications for the Internet and key business sectors and working as a software development consultant. Bob (aka. Dr.Bob) is an internationally recognized UK Borland Connections member and an independent technical author, trainer, and consultant using C++Builder, Kylix, and Delphi based in The Netherlands. Mark Cashman is an independent C++ developer in the U.S. Paul Gustavson lives in Virginia and is a senior systems engineer for Synetics, Inc., a U.S.-based company providing knowledge management, systems engineering, and enterprise management services. The rapidly growing volume of available digital documents of various formats and the possibility to access these through Internet-based technologies, have led to the necessity to develop solid methods to properly organize and structure documents in large digital libraries and repositories. Due to the extremely large volumes of documents and to their unstructured form, most of the research efforts in this

direction are dedicated to automatically infer structure and schemas that can help to better organize huge collections of documents and data. This book covers the latest advances in structure inference in heterogeneous collections of documents and data. The book brings a comprehensive view of the state-of-the-art in the area, presents some lessons learned and identifies new research issues, challenges and opportunities for further research agenda and developments. The selected chapters cover a broad range of research issues, from theoretical approaches to case studies and best practices in the field. Researcher, software developers, practitioners and students interested in the field of learning structure and schemas from documents will find the comprehensive coverage of this book useful for their research, academic, development and practice activity.

Borland(r) Delphi 6 Developer's Guide is a new edition of the #1 best-selling Delphi book by authors Steve Teixeira and Xavier Pacheco. Steve and Xavier are of the winners of the Delphi Informant Reader's Choice Award for both Delphi 4 Developer's Guide and Delphi 5 Developer's Guide.

Borland(r) Delphi 6 Developer's Guide is completely updated for Delphi 6 and includes in-depth coverage on Borland's new CLX architecture, DBExpress Applications, SOAP, CORBA, WebSnap and BizSnap features. It continues as a complete reference and authoritative guide to the newest version of Delphi.

Become a developer superhero and build stunning cross-platform apps with Delphi About This Book A one-stop guide on Delphi to help you build cross-platform apps This book covers important concepts such as the FireMonkey library, shows you how to interact with the Internet of Things, and enables you to integrate with Cloud services The code is explained in detail with observations on how to create native apps for ios and Android with a single code base Who This

Book Is For If you want to create stunning applications for mobile, desktop, the cloud, and the Internet of Things, then this book is for you. This book is for developers who would like to build native cross-platform apps with a single codebase for iOS and Android. A basic knowledge of Delphi is assumed, although we do cover a primer on the language. What You Will Learn Understand the basics of Delphi and the FireMonkey application platform as well as the specifics of Android and iOS platforms Complete complex apps quickly with access to platform features and APIs using a single, easy-to-maintain code base Work with local data sources, including embedded SQL databases, REST servers, and Backend-as-a-Service providers Take full advantage of mobile hardware capabilities by working with sensors and Internet of Things gadgets and devices Integrate with cloud services and data using REST APIs and scalable multi-tier frameworks for outstanding multi-user and social experience Architect and deploy powerful mobile back-end services and get super-productive by leveraging Delphi IDE agile functionality Get to know the best practices for writing a high-quality, reliable, and maintainable codebase in the Delphi Object Pascal language In Detail Delphi is the most powerful Object Pascal IDE and component library for cross-platform native app development. It enables building natively compiled, blazingly fast apps for all major platforms including Android, iOS, Windows, Mac, and Linux. If you want to build server-side applications, create web services, and have clear GUIs for your project, then this book is for you. The book begins with a basic primer on Delphi helping you get accustomed to the IDE and the Object Pascal language and will then quickly move on to advanced-level concepts. Through this book, we'll help you understand the architecture of applications and will teach you the important concepts of the FireMonkey library, show you how to build server-side

services, and enable you to interact with the Internet of Things. Towards the end, you will learn to integrate your app with various web services and deploy them. By the end of the book, you will be able to build powerful, cross-platform, native apps for iOS and Android with a single code base. Style and approach This book will help you build cross-platform mobile apps with Delphi using a step-by-step approach.

Clear and concise explanations to understand the learning paradigms. Chapters written by leading world experts. Poor data quality can seriously hinder or damage the efficiency and effectiveness of organizations and businesses. The growing awareness of such repercussions has led to major public initiatives like the "Data Quality Act" in the USA and the "European 2003/98" directive of the European Parliament. Batini and Scannapieco present a comprehensive and systematic introduction to the wide set of issues related to data quality. They start with a detailed description of different data quality dimensions, like accuracy, completeness, and consistency, and their importance in different types of data, like federated data, web data, or time-dependent data, and in different data categories classified according to frequency of change, like stable, long-term, and frequently changing data. The book's extensive description of techniques and methodologies from core data quality research as well as from related fields like data mining, probability theory, statistical data analysis, and machine learning gives an excellent overview of the current state of the art. The presentation is completed by a short description and critical comparison of tools and practical methodologies, which will help readers to resolve their own quality problems. This book is an ideal combination of the soundness of theoretical foundations and the applicability of practical approaches. It is ideally suited for everyone – researchers, students, or professionals – interested in a comprehensive

overview of data quality issues. In addition, it will serve as the basis for an introductory course or for self-study on this topic. The two-volume *Advances in Information Systems Development: Bridging the Gap between Academia and Industry* constitutes the collected proceedings of the Fourteenth International Conference on Information Systems Development: Methods and Tools, Theory and Practice – ISD'2005 Conference. The focus of these volumes is to examine the exchange of ideas between academia and industry and aims to explore new solutions. The proceedings follow the seven conference tracks highlighted at the Conference: Co-design of Business and IT; Communication and Methods; Human Values of Information Technology; Service Development and IT; Requirements Engineering in the IS Life-Cycle; Semantic Web Approaches and Applications; and Management and IT.

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