

Lazarus Open Source Delphi Or Kylix Free Pascal

Round Trip to Hades in the Eastern Mediterranean Tradition explores the theme of visits to the underworld in the ancient Greek and Byzantine traditions from a broad perspective including written sources, iconography and archaeology.

Whether you want to develop your own database application or develop a web application, or even 2D, 3D, or Animation programs. Getting Started with Lazarus & Free Pascal is quite simply the friendliest, most inspiring Lazarus with Free Pascal programming book available. In this book you will find out how to tackle Object-Oriented Programming using Lazarus with Free Pascal, with confidence. Getting Started with Lazarus & Free Pascal's simple, step-by-step format makes it a "must-have" book for aspiring programmers. Learn how to master key programming techniques, from simple topics to more advanced topics, following clear instructions with images. For example, find out how to write simple file handling, user-friendly GUI applications, graphics programming, database programming, error trapping, exception handling, debugging techniques, including code documentation and much more. Discover the strength of over 230 Lazarus Component Libraries. This book is packed with inspirational and practical hands-on projects that are

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easy-to-follow. Each chapter will take you from start to finish with clear step-by-step instructions, along with examples for you to try out. Each chapter ends with suggestions to try out allowing you to test yourself on what you have learnt. This book is very much a hands-on book and you are required to "roll your sleeves" up and get stuck-in! Perfect for enthusiasts who want to develop their programming skills and ideal for the beginner, intermediate and advanced developer wishing to migrate to Lazarus quickly.

A fun way to learn C++ computer programming. This is a great first text on C++ programming. Have fun, learn to program in an internationally used language. Console game graphics is introduced in the second edition.

Understanding evolution will bring you the right knowledge of Man and God. This is an article of survival and struggles of a country wanting to be recognize.

DelphiMVCFramework - the Official Guide

Learn Pascal

Theory and Industrial Applications

Lazarus Free Pascal

The Definitive Guide to SQLite

Project Oberon

The Tomes of Delphi

Designed for health care professionals in multiple disciplines and clinical settings, this comprehensive,

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evidence-based wound care text provides basic and advanced information on wound healing and therapies and emphasizes clinical decision-making. The text integrates the latest scientific findings with principles of good wound care and provides a complete set of current, evidence-based practices. This edition features a new chapter on wound pain management and a chapter showing how to use negative pressure therapy on many types of hard-to-heal wounds. Technological advances covered include ultrasound for wound debridement, laser treatments, and a single-patient-use disposable device for delivering pulsed radio frequency.

Whether you're sharing data between two internal systems or building an API so users can access their data, this practical book provides everything you need to build web service APIs with PHP. Author Lorna Jane Mitchell uses code samples, real-world examples, and advice based on her extensive experience to guide you through the process—from the underlying theory to methods for making your service robust. PHP is ideally suited for both consuming and creating web services. You'll learn how to use this language with JSON, XML, and other web service technologies. Explore HTTP, from the request/response cycle to its verbs, headers, and cookies Determine whether JSON or XML is the best data format for your application Get practical advice for working with RPC, SOAP, and RESTful services Use a variety of tools and techniques for debugging HTTP web services Choose the service that works best for your application, and learn how to make it robust Learn how to document your API—and how to design it to handle

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errors

The definitive Delphi problem solver, Borland Delphi How-To helps Delphi programmers, both beginning and advanced, overcome common challenges, solve complex problems, and realize their programming visions. The CD contains all the example how-to solutions, resources, bitmaps, and applications developed in the book.

A compiler translates a program written in a high level language into a program written in a lower level language. For students of computer science, building a compiler from scratch is a rite of passage: a challenging and fun project that offers insight into many different aspects of computer science, some deeply theoretical, and others highly practical. This book offers a one semester introduction into compiler construction, enabling the reader to build a simple compiler that accepts a C-like language and translates it into working X86 or ARM assembly language. It is most suitable for undergraduate students who have some experience programming in C, and have taken courses in data structures and computer architecture.

Systems Biology

Tools and Techniques for Building with Embedded Linux
Lions' Commentary on UNIX 6th Edition with Source Code

Delphi in a Nutshell

Wound Care

Delphi Memory Management

Introduction to Compilers and Language Design

In diesem Band werden u. a. die folgenden Themen

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behandelt: - Eingriffe in den Programmablauf - Erstellung von Geschäftsgrafiken mit der Komponente TChart - Einführung in die Programmierung relationaler Datenbanken - Erstellung von Datenbank-Berichten mit Rave Reports - Dynamische Link-Bibliotheken - Ankopplung von Moduln aus anderen Programmiersprachen - Verbindung zum Internet mit den INDY-Komponenten Durch zahlreiche charakteristische Anwendungsbeispiele wird der Leser rasch in die Lage versetzt, individuelle Anwendungen mit dem C++Builder selbst zu erstellen. Selbstverständlich wird dabei auf typische Fallstricke deutlich hingewiesen. Weitere Bände, die sich u. a. mit fortgeschrittenen Datenbanktechniken, Data Snap - Client/Server-Lösungen und der Nutzung in integrierter Softwareentwicklung befassen sind geplant.

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

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Creating UML class diagrams using ModelMaker * Visually preparing reports using RAVE * Using the Delphi language to create your first .NET programs

This book is an introduction to control in biochemical pathways. It introduces students to some of the most important concepts in modern metabolic control principles. It covers the basics of metabolic control analysis that helps us think about how biochemical networks operate. The book should be suitable for undergraduates in their early (Junior, USA, second year UK) to mid years at college. 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

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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.

Meandering Melodies

PHP Web Services

APIs for the Modern Web

The Design of an Operating System and Compiler

Mastering Delphi 4

Delphi/Kylix Database Development

A Pocket Guide to the Delphi and Object Pascal Language

In-depth instruction and practical techniques for building with the BeagleBone embedded Linux platform

Exploring BeagleBone is a hands-on guide to bringing gadgets, gizmos, and robots to life using the popular BeagleBone embedded Linux platform.

Comprehensive content and deep detail provide more than just a BeagleBone instruction manual—you'll also learn the underlying engineering techniques that will allow

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you to create your own projects. The book begins with a foundational primer on essential skills, and then gradually moves into communication, control, and advanced applications using C/C++, allowing you to learn at your own pace. In addition, the book's companion website features instructional videos, source code, discussion forums, and more, to ensure that you have everything you need. The BeagleBone's small size, high performance, low cost, and extreme adaptability have made it a favorite development platform, and the Linux software base allows for complex yet flexible functionality. The BeagleBone has applications in smart buildings, robot control, environmental sensing, to name a few; and, expansion boards and peripherals dramatically increase the possibilities. Exploring BeagleBone provides a reader-friendly guide to the device, including a crash course in computer engineering. While following step by step, you can: Get up to speed on embedded Linux, electronics, and programming Master interfacing electronic circuits, buses and modules, with practical examples Explore the Internet-connected BeagleBone and the BeagleBone with a display Apply the BeagleBone to sensing applications, including video and sound Explore the BeagleBone's Programmable Real-Time Controllers Hands-on learning helps ensure that your new skills stay with you, allowing you to design with electronics, modules, or peripherals even beyond the BeagleBone. Insightful guidance and online peer support help you transition from beginner to expert as you master the techniques presented in Exploring BeagleBone, the practical handbook for the popular computing platform.

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How to build software tools using structured programming. Written using RATFOR (Rational FORTRAN); could be translated into other languages. Leverage the power of REST and JSON-RPC using the most popular framework for Delphi

O Lazarus é um Software Livre maduro para o Desenvolvimento Rápido de Aplicações (RAD) com base no moderno compilador Free Pascal. Com esta ferramenta é possível o desenvolvimento de aplicações multiplataforma. Isto significa que podemos escrever um código e a partir deste compilar aplicativos para executarem em Windows, Linux, Mac OS X ou outra plataforma compatível. Por isso, o lema do Lazarus é: “Escreva uma vez e compile em qualquer lugar”. Este livro é para aqueles que desejam aprender a desenvolver aplicações multiplataforma para desktop usando a IDE Lazarus para o compilador Free Pascal e, também, é indicado para desenvolvedores Delphi, Visual Basic ou de outra linguagem que desejam migrar para Lazarus. Para compreender os assuntos abordados no livro, é necessário o leitor ter noções de algoritmo e alguma linguagem de programação. Portanto, se você não tem nenhum conhecimento nesta área, recomendo a leitura prévia de alguma apostila, livro ou site sobre estes assuntos. O conteúdo deste livro é útil tanto para programadores iniciantes como para programadores experientes. A didática é um dos pontos fortes deste livro. Os assuntos são considerados com clareza e objetividade, os códigos dos exemplos são, em sua maioria, comentados e os projetos desenvolvidos são explicados passo a passo para facilitar o aprendizado.

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Todos os exemplos do livro são o multiplataforma. Foram testados no Windows e no Linux. ATENÇÃO O LINK DOS ARQUIVOS MUDOU: Recentemente o link mudou. Todos os arquivos do livro estão disponíveis a partir do link: www.jeansistemas.net Por exemplo:

<http://www.jeansistemas.net/livrodal.zip> BAIXE A ÚLTIMA VERSÃO DO LAZARUS: <http://www.lazarus-ide.org/index.php?page=downloads> Componentes

Atualizados: POWER PDF ATUALIZADO:

<http://www.jeansistemas.net/powerpdf.zip> ZEOS

ATUALIZADO: Link:

<http://www.jeansistemas.net/ZEOSDBO-7.1.4-stable.zip>

FORTES REPORT ATUALIZADO:

<http://www.jeansistemas.net/fortes4lazarus-trunk.zip>

Turbo Pascal 6.0

Updated to 3.2.1-carbon

Software Tools

Delphi Complete Works of William James (Illustrated)

Eine Praxisnahe Arbeitshilfe für die Entwicklung von

C++-Programmen mit dem c++Builder

Mastering Delphi 7

A Tribute to the Filipino People

Pascal is the standard structured programming language for the personal computer. The novice programmer needs a strong grounding in the fundamentals of structured programming, whether preparing to program under Microsoft Windows, DOS, or the Apple Macintosh. Pascal is also a precursor to programming languages such as C++, Java, and Delphi. "Learn Pascal" teaches the novice programmer the basics of Pascal through hands-on examples and easy-to-

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follow drills in each chapter, and guides readers from the basic fundamentals to advanced techniques needed to effectively program real-world applications. The book also includes advanced material on problem-solving algorithms, which provide the experienced Pascal user with specialized tools to solve specific programming problems. The companion CD contains the examples and drills discussed in the book, along with the drill solutions. Also included is a full retail version of Delphi 4 Standard Edition. Sam Abolrous is a software engineer with an extensive background in software design and programming. He earned his electrical engineering degree from the University of Alexandria, Egypt, and is currently a programmer/writer with Microsoft Corp. Abolrous has published articles for leading programming journals and has written over 50 books on computer science ranging from C++ to COBOL programming, including Wordware's "Learn C in Three Days" and "Learn Pascal in Three Days, Second Edition". For the past 20 years, UNIX insiders have cherished and zealously guarded pirated photocopies of this manuscript, a "hacker trophy" of sorts. Now legal (and legible) copies are available. An international "who's who" of UNIX wizards, including Dennis Ritchie, have contributed essays extolling the merits and importance of this underground classic.

The philosopher and psychologist, William

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*James (brother to the famous novelist Henry James) was a leading thinker of the late nineteenth century and one of the most influential American philosophers, regarded by many as the father of American psychology. James established the philosophical school known as pragmatism and is also cited as a founder of functional psychology. Noted for his rich and vivid literary style, James developed the philosophical perspective known as radical empiricism, while his work went on to influence intellectuals such as Émile Durkheim, W. E. B. Du Bois, Edmund Husserl, Bertrand Russell and Albert Einstein. For the first time in digital publishing, this eBook presents James' complete works, with numerous illustrations, rare texts, informative introductions and the usual Delphi bonus material. (Version 1) * Beautifully illustrated with images relating to James' life and works * Detailed introductions to the major texts * All the published books by William James, with individual contents tables * Features rare essays appearing for the first time in digital publishing, including the posthumous collection: 'Collected Essays and Reviews' * Images of how the books were first published, giving your eReader a taste of the original texts * Excellent formatting of the texts, with original footnotes * Special chronological and alphabetical contents tables for the essays * Easily locate the essays you want to read * Includes James' letters – spend hours*

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exploring the philosopher's personal correspondence * Features James' brother Henry's seminal biography 'Notes of a Son and Brother' * Scholarly ordering of texts into chronological order and genres Please visit www.delphiclassics.com to browse through our range of exciting titles CONTENTS: The Books The Principles of Psychology Psychology (Briefer Course) The Will to Believe and Other Essays Human Immortality Talks to Teachers on Psychology and to Students on Some of Life's Ideals The Varieties of Religious Experience Pragmatism A Pluralistic Universe The Meaning of Truth Some Problems of Philosophy Memories and Studies Essays in Radical Empiricism Collected Essays and Reviews The Essays List of Essays in Chronological Order List of Essays in Alphabetical Order The Letters The Letters of William James The Biography Notes of a Son and Brother by Henry James Please visit www.delphiclassics.com to browse through our range of exciting titles or to purchase this eBook as a Parts Edition of individual eBooks This is a critical first resource for information on DataCLX, the programming interface for dbExpress. DbExpress will be the database engine for all Delphi developers, replacing Borland's 10-year-old DBE technology. Includes copious examples and a complete, real-world sample application from which readers can adopt usable code. A Beginners and Intermediate Guide to Free Pascal Using Lazarus Ide

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Out of the Fast Lane

Delphi Cookbook

Visits to the Underworld from Antiquity to Byzantium

Algorithms and Data Structures

Professional Programming From the Beginning

Round Trip to Hades in the Eastern Mediterranean Tradition

Featuring a wealth of code examples appropriate for practicing developers, this advanced-level guide provides comprehensive coverage of such topics as arrays, binary trees, data compression. The CD includes the author's highly successful freeware library, EZDSL, along with the code from the book.

This book is written in a simple, easy-to-understand format with lots of screenshots and step-by-step explanations. This book is geared toward developers that have a familiarity with Delphi or Free Pascal and would like to start using the open source Lazarus Integrated Development Environment. You should have knowledge of creating a console and GUI applications as well as creating basic components. Example source code and projects are provided to help learn the differences between Delphi and Lazarus projects.

This book collects the most recent advances in mechanism science and machine theory with application to engineering. It contains selected peer-reviewed papers of the sixth International Conference on Mechanism Science, held in Nantes, France, 20-23 September 2016, covering topics on mechanism design and synthesis, mechanics of

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robots, mechanism analysis, parallel manipulators, tensegrity mechanisms, cable mechanisms, control issues in mechanical systems, history of mechanisms, mechanisms for biomechanics and surgery and industrial and nonindustrial applications.

Outside of the world of enterprise computing, there is one database that enables a huge range of software and hardware to flex relational database capabilities, without the baggage and cost of traditional database management systems. That database is SQLite—an embeddable database with an amazingly small footprint, yet able to handle databases of enormous size. SQLite comes equipped with an array of powerful features available through a host of programming and development environments. It is supported by languages such as C, Java, Perl, PHP, Python, Ruby, TCL, and more. The Definitive Guide to SQLite, Second Edition is devoted to complete coverage of the latest version of this powerful database. It offers a thorough overview of SQLite's capabilities and APIs. The book also uses SQLite as the basis for helping newcomers make their first foray into database development. In only a short time you can be writing programs as diverse as a server-side browser plugin or the next great iPhone or Android application! Learn about SQLite extensions for C, Java, Perl, PHP, Python, Ruby, and Tcl. Get solid coverage of SQLite internals. Explore developing iOS (iPhone) and Android applications with SQLite. SQLite is the solution chosen for thousands of products around the world, from mobile

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phones and GPS devices to set-top boxes and web browsers. You almost certainly use SQLite every day without even realizing it!

Das C++Builder Rezeptbuch, Teil 2

Desenvolvendo Aplicativos Com Lazarus

Recipes to master Delphi for IoT integrations, cross-platform, mobile and server-side development, 3rd Edition

Oh! Pascal!

With Free Pascal And the Free Development Environment Lazarus

Delphi Quick Syntax Reference

Getting Started with the Lazarus IDE

Contents: This volume among others covers the following topics: - Advanced design of user interfaces - Tree representationsl - Modularization of user interfaces - Interventions in the program flow - Development of business graphics - Dynamic Link Libraries (DLLs) - Internet traffic using the Indy framework - Database development By numerous characteristic application examples the reader is quickly enabled to create individual applications with Lazarus by himself. Of course, typical pitfalls are clearly pointed out. A further volume, which among other things deals with software technological aspects, is in planning. Further information about the book can be found at okomedien.de/buecher/informatik---computer-science/laz Targeted groups: Students of computer

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science, mathematics, engineering and natural sciences, both beginners and those who are changing to other programming languages or development environments, who would like to get to know the possibilities of the free development environment Lazarus more intensively or are planning to switch to this development tool.

"The bulk of the book is a complete ordered reference to the Delphi language set. Each reference item includes: the syntax, using standard code conventions; a description; a list of arguments, if any, accepted by the function or procedure; tips and tricks of usage - practical information on using the language feature in real programs; a brief example; and a cross-reference to related keywords."--Jacket.

Meandering Melodies will take you back to the 60's, 70's, and 80's and share what it was like to be a part of a neighborhood in Carroll County located in Delphi, Indiana, that had lots of children, a simple way of life, what we did for fun and what it was like to be part of a "Plain People" growing up among other "Plain People."

Meandering Melodies will also share what life is like among the "Plain People" today in 2013 in Carroll County. Expect to be delighted, thrilled, and encouraged as we not only take a walk down memory lane together but also explore living life "out of the fast lane" in today's world. Experiences

that will at times make you laugh and cry as we learn together how simple joys of yesterday and simple joys of today can create a symphony that lasts a lifetime! Most of us can remember a time when life was not so busy. A simpler time when we enjoyed a visit with a neighbor or a walk in the park. . . A time when we had no concern about being a certain place at a certain time doing certain things... A time when fast food was not really all that fast and the computer age had barely begun. . . A time when life was busy but did not seem hectic or fast-paced. . . Sometimes we even look back with nostalgic longing and wish to return to times like this. Times when we'd like to get "out of the fast lane.." Today finds many people living life in the fast lane where life is in constant motion and meticulous plans are made to ensure their success in the modern world. There is always some place to go and people to meet. Yet they are intrigued by certain lifestyles and fascinated by those who seem to manage living a simple life "out of the fast lane."In the past few years many books have been written and movies made showcasing the Amish, Mennonites, and other Plain People and their simple lifestyles. People wonder about the differences. People wonder what their lifestyle is really like. People wonder what it is like to be a part of a plain church and plain people. They have all sorts of

questions about what it is like not to have cars, or telephones, or electricity. They wonder why they dress the way they do and do the things they do. They wonder how people can live like this?! It seems to them that life is lived "out of the fast lane" among Plain People. Or is this only an illusion? I grew up among Plain People on a farm in Carroll County nestled between two hills. Bachelor Run flowed merrily through our farm forming the southern boundary of our property. Folks called the road at the top of the south hill the Crooked Road. It went straight for several miles out of Delphi, then made a sharp curve, and after several more curves, you ended up in Flora. Our house was in the valley below this first curve. This first curve was a notorious place for wrecks; which I shall write more about later! My Dad built our house against the bank of the north hill. At the very top of the north hill was a very old cemetery called the Nettle Cemetery. I don't recall anyone ever being buried there. I also don't recall ever playing there. I do remember mowing the grass along the fence that separated our property. One of my favorite spots, my very own idyllic hide-away, was close to this fence. I went there often to think and write and lay in the grass on beautiful summer days. Most of our neighbors were members of what we called the Horse-and-Buggy Church. Their official name was Old Brethren

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German Baptist. They used to be a part of our fellowship before they split off from the Old German Baptist Brethren in 1921 as a result of differences about cars, electricity, and telephones. When was the last time you experienced life “out of the fast lane?”

This definitive guide examines how to take advantage of the new Agile methodologies offered when using Ruby on Rails (RoR). You’ll quickly grasp the RoR methodology by focusing on the RoR development from the point of view of the beginner- to intermediate-level Microsoft developer. Plus, you’ll get a reliable roadmap for migrating your applications, skill set, and development processes to the newer, more agile programming platform that RoR offers.

Exploring BeagleBone

Assistive Technologies in the Library

An Open Letter to Juan Dela Cruz

Second Edition

C++ for Zombies and the Undead

An Introduction to Metabolic Control Analysis

Professional Programming From The Beginning
Part 2

Still the Best Delphi Resource A Fully Revised Version of the Book That Won the DelphiInformant Readers Choice Award If you're looking to capitalize on the powerful capabilities of the latest release of Delphi,

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Mastering Delphi 6 is the oneresource you can't do without. Practical, tutorial-based coveragehelps you develop key skills, solve tough problems, and build andimplement sophisticated functionality in your database,client/server, and Internet applications. The special insights ofDelphi expert Marco Cantu you an extra advantage as you completesuccessful 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 componentset 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 SOAPtechnologies Building practical, powerful Web applications Note: CD-ROM/DVD and other supplementary materials arenot included as part of eBook file.

Introducing programmers to all of Delphi 4's new features and techniques, this reference

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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.

The Delphi Quick Syntax Reference is a succinct code and syntax reference guide to Delphi. It presents the fundamental knowledge to get newcomers started with the language and provides a refresher to seasoned or returning Delphi developers. It covers all the new features added by Embarcadero during the last few years. Delphi celebrates 25 years in 2020 and, alongside the free community version that was introduced a couple of years ago, this syntax guide is a great way to get into the language. What You Will Learn Quickly use and learn Delphi Compile, build and run a Delphi program Master Delphi strings, variables, constants, and operators and how to apply them Use conditions, loops, procedures, and functions in Delphi Apply object-oriented programming in Delphi Who This Book Is For Returning or current Delphi developers: The book is a resource for reference for this group of developers especially for the new features

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that were introduced in the language over the last couple of years. Newcomers to the language: These developers will learn the fundamentals of the language in a very condensed and effective text that accelerates learning.

This book constitutes the refereed proceedings of the 7th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2016, held in Costa de Caparica, Portugal, in April 2016. The 53 revised full papers were carefully reviewed and selected from 112 submissions. The papers present selected results produced in engineering doctoral programs and focus on research, development, and application of cyber-physical systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: enterprise collaborative networks; ontologies; Petri nets; manufacturing systems; biomedical applications; intelligent environments; control and fault tolerance; optimization and decision support; wireless technologies; energy: smart grids, renewables, management, and optimization; bio-energy; and electronics.

Free Pascal и Lazarus. Учебник по программированию

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1 and 8, p.1m4). The growing interest in the development of compilers ~or other computers called ~or a consolidation o~ Pascal, and two years of experience in the use o~ the language dictated a few revisions. This led in 1973 to the publication o~ a Revised Report and a de~inition o~ a language representation in terms of the ISO cha...acter set. This booklet consists o~ two parts: The User Manual, and the Revised Report. The ManUAl is directed to those who have previously acquired some ~amiliarity with computer programming, and who wish to get acquainted with the language Pascal. Hence, the style o~ the Manual is that o~ a tutorial, and many example~ are included to demonstrate the various ~eatures o~ Pascal. Summarising tables and syntax speci~ications are added as Appendices. The Report is included in this booklet to serve as a concise, ultimate reference ~or both programmers and implementors. It defines stAndArd Pascal which constitutes a common base between various implementations of the language.

Project Oberon contains a definition of the Oberon Language and describes its relation to Modula-2 and the software tools developed with the system. This definitive, first-hand account of the design, development, and implementation of Oberon completes the Oberon trilogy.

CONTENTS: This volume among others covers the following topics: - Installation of the development environment Lazarus - Basics of programming in (Free) Pascal - Modular programming with units - Creation of simple graphical user interfaces - Using the printer from your own programs - Creation and editing of simple graphics - Visualization of dynamic processes By numerous characteristic application examples the reader is quickly enabled to create individual

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applications with Lazarus by himself. Of course, typical pitfalls are clearly pointed out. Future volumes that deal with database techniques, internet applications and software technological aspects are under preparation. Further information about the book can be found at www.informatik-ganz-einfach.de. TARGETED GROUPS: Students of computer science, mathematics, engineering and natural sciences, both beginners and those who are changing from other programming languages or development environments, who would like to get to know the possibilities of the free development environment Lazarus more intensively or are planning to switch to this development tool.

7th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2016, Costa de Caparica, Portugal, April 11-13, 2016, Proceedings

A Collaborative Practice Manual

Technological Innovation for Cyber-Physical Systems

New Trends in Mechanism and Machine Science

Getting Started With Lazarus and Free Pascal

Memory management. One of the most basic parts of software development, often kept on the side even though it has the most profound effect on how we write our code. Delphi provides a variety of types with their own memory management logic, as well as two sets of compilers that provide different memory management systems for classes.

* Classic Delphi compiler currently

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supported on Windows and OSX platforms - using manual memory management while providing ARC for certain types. * Next generation ARC Delphi compiler supported on mobile Android and iOS platforms, as well as Linux - using full ARC - Automatic Reference Counting memory management system. Each memory management system has its good and bad sides. Each offers solutions to some problems, but creates a whole range of other problems. And each requires slightly different coding patterns and practices. Knowing the strengths and weaknesses and understanding how memory management system(s) work goes hand-in-hand with writing clean, bug-free and maintainable code. Both compilers are covered in detail, as well as coding patterns required for writing cross-compiler code that must run under both. From manual memory management, to garbage collection, different memory management systems differ not only by the general category they fall in, but also by implementation. And all those fine implementation details also have a great impact on actual code. From the perspective of the everyday software

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development process discussing memory management is impossible without discussing its specific implementation in specific languages and toolsets. Instructs librarians on choosing technologies that will include all users, designing accessible web sites, training staff for how to accommodate disabled patrons, and establishing access policies.