

# Delphi In Depth Firedac Book Online

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Delphi Cookbook - Daniele Spinetti 2018-07-31  
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Build mobile apps that read data from a remote server efficiently Call platform native API on Android and iOS for an unpublished API Manage software customization by making better use of an extended RTTI Integrate your application with IOT Who this book is for Delphi Cookbook is for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.

**Object Pascal Handbook Delphi 10.4 Sydney Edition** - Marco Cantu 2021-03-03

The Object Pascal Handbook for Delphi 10.4 is the complete guide to the programming language of Delphi. The book covers Object Pascal from the foundations to the latest extensions up to Delphi 10.4 Sydney and the author, Marco Cantu, is a well known Delphi guru, the author of dozens of Delphi books, and one of the Product Managers for RAD Studio at Embarcadero Technologies.

Advantage Database Server - Cary Jensen 2007  
With the launch of ADS 7.0, the authors can now satisfy the needs of this growing community with an official guide on ADS.

*How to Program Effectively in Delphi for AS/A Level Computer Science* Kevin R Bond  
2021-11-30

The structure and content of this textbook has

been designed to give the reader an appreciation of the applicability of Delphi for both structured and object-oriented programming. It covers Graphical User Interface, event driven programming from first principles in order to convey a deeper understanding of forms-based application programming and how it is achieved. Readers should gain a solid understanding of object-oriented programming and how to apply it in project work. The book also covers the excellent support Delphi has for network, graphics and database programming. Programming of mobile phones, tablets and microcontrollers is also covered.

The C# Programming Language (Covering C# 4.0), Portable Documents - Anders Hejlsberg  
2010-10-31

The popular C# programming language combines the high productivity of rapid application development languages with the raw power of C and C++. Updated to cover the new features of C# 4.0, including dynamic binding, named and optional parameters, and covariant and contravariant generic types, this release takes the language to the next level by adding the ability to cleanly write programs that don't rely on static type definitions. This allows dynamic programming languages such as Python, Ruby, and JavaScript to feel native to C#. The C# Programming Language, Fourth Edition, continues to be the authoritative and annotated technical reference for C# 4.0. 7nbsp; Written by Anders Hejlsberg, the language's architect, and his colleagues, Mads Torgersen, Scott Wiltamuth, and Peter Golde, this volume has been completely updated for C# 4.0. The book provides the complete specification of the language, along with descriptions, reference materials, code samples, and annotations from twelve prominent C# gurus. The many annotations bring a depth and breadth of understanding rarely found in any programming book. As the main text of the book introduces the concepts of the C# language, cogent annotations explain why they are important, how they are used, how they relate to other languages, and even how they evolved. This book is the definitive, must-have reference for any developer who wants to understand C#. With annotations from: Brad Abrams, Joseph Albahari, Krzysztof Cwalina, Jesse Liberty, Eric Lippert,

Christian Nagel, Vladimir Reshetnikov, Marek Safar, Chris Sells, Peter Sestoft, Jon Skeet, and Bill Wagner.

*Adobe Illustrator 92000*

Showcases the computer graphics program's updated features while demonstrating fundamental and advanced Illustrator concepts and displaying professionally designed projects.

**Coding in Delphi** - Nick Hodges 2017-07-14

Learn the fundamentals of Delphi to build a variety of solutions for many devices and platforms. Author Marco Breveglieri will provide you with an overview of Delphi, its principles, its environment, and its use of Object Pascal language so that you can harness its versatility. With Delphi, the power of Delphi is at your fingertips. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

*Oh! Pascal !* Doug Cooper 1992

Delphi in Depth: FireDAC - Cary Jensen  
2017-05-10

Delphi in Depth: FireDAC\* Learn how to connect to a wide variety of databases\* Optimize your connection configurations\* Explore the world of indexes, searches, and filters\* Discover the power of persisted datasets\* Create flexible queries using macros and FireDAC scalar functions\* Achieve blazing performance with Array DML\* Master the art of cached updates\* Add sophisticated features using Local SQL\* Requires RAD Studio XE6 Professional or Delphi XE6 Professional or higher\* Appropriate for novice to advanced Delphi database developers\* More information is at

<http://www.JensenDataSystems.com/firedacbook/>

*Beginning Oracle SQL for Oracle Database -18c*  
Ben Brumm 2019-08-05

Start developing with Oracle SQL. This book is a

one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of Beginning Oracle SQL for Oracle Database 18c is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

**FireMonkey Development for IOS and OS X with Delphi XE2** - Graeme Chandler 2012

**Delphi in Depth** - Cary Jensen 1996-01-01  
With approximately 50% of the book's material applying to Delphi for Windows, this book teaches developers how to go full-throttle with Delphi--no matter which version they're using. The authors zero in on programming techniques that fully exploit Delphi's capabilities.

*Delphi Programming Projects* William Duarte 2019-05-02

Improve your Delphi programming skills by building robust applications for Android, iOS, and Windows platform Key Features Build responsive user interfaces (UIs) for desktop and mobile with FireMonkey Implement a microservices architecture using the Rapid Application Development(RAD) server Create clones of popular applications like Instagram and Facebook using Delphi 10.3 Book Description Delphi is a cross-platform programming language and software development kit that supports rapid application development for Microsoft Windows, Apple Mac OS X, Android, and iOS. With the help of seven practical projects, this book will guide you through the best practices, Delphi Run-Time Library (RTL) resources, and design patterns. Whether you use the Visual Component Library (VCL) or FireMonkey (FMX) framework, these design patterns will be implemented in the same way in Delphi, using Object Pascal. In the first few chapters, you will explore advanced features that will help you build rich applications using the same code base for both mobile and desktop projects. In addition to this, you'll learn how to implement microservice architecture in Delphi. As you get familiar with the various aspects of Delphi, you will no longer need to maintain source code for similar projects, program business rules on screens, or fill your forms with data access components. By the end of this book, you will have gained an understanding of the principles of clean code and become proficient in building robust and scalable applications in Delphi. What you will learn Get to grips with the advanced features of RTL Understand how to deal with the paradigm change between multiplatform projects Build rich interfaces with Google's Material Design features Understand how to implement design patterns in Delphi Turn a mobile device into a remote controller with app tethering technology Build a multi-

database system using VCL Who this book is for This book is for developers, programmers, and IT professionals who want to learn the best market practices by implementing practical projects. Prior knowledge of the Delphi language is a must.

*Del phi Cookbook*- Daniele Teti 2014-09-25

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.

**Delphi Event-based and Asynchronous Programming** - Neven Prasnikar, Jr 2021-02-07

Event-based programming is everywhere. Nowadays, you can hardly write any kind of application without leaning on events and messages. This simple, yet extremely powerful mechanism is also the cornerstone of asynchronous and multithreaded programming. Without events, we would not know when some task was completed. But, asynchronous and multithreaded programming consists of more than just handling multiple threads, protecting shared resources, and synchronization. It also includes designing and understanding program flow. That design aspect is often forgotten, taken for granted, and solving all the fine-grained nuances of multithreaded programming hogs the spotlight. Without understanding asynchronous flow and the bigger picture it can be hard to properly solve all the other issues, including multithreading. What used to be plain spaghetti code, now becomes temporal spaghetti. You can lose control over your objects, have bits of code creating and releasing them all over the place, even without adding multithreading into the mix. Memory leaks, crashes, and holding references to dead data long after its destruction are perfectly possible even in a singlethreaded environment. While the starting point of this book is giving a proper introduction to event-based and asynchronous programming flow and design, it also provides the necessary implementation details, explanations and code examples needed to put those designs into practice.

*Del phi Succinctly* Marco Breveglieri 2017-02-01

Learn the fundamentals of Delphi to build a variety of solutions for many devices and platforms. Author Marco Breveglieri will provide you with an overview of Delphi, its principles, its environment, and its use of Object Pascal language so that you can harness its versatility. With *Delphi Succinctly*, the power of Delphi is at your fingertips.

Introducing Delphi ORM - John Kouraklis 2019-08-02

Discover the fundamental concepts of object-relational mapping (ORM) design, Aurelius' basic features, and the practical applications of those features. In a series of tasks, you will be exposed to techniques and best practices that make the use of Aurelius easy and efficient. Furthermore, you'll refine your analytical skills to sharpen your understanding of Delphi (Pascal), helping you write better code along the way. *Introducing Delphi ORM* explains that while database design is difficult, database programming (i.e., manipulating, extracting, filtering, and manipulating data) is even more difficult. ORM frameworks provide a simpler way for you to access and manage data in databases. You'll see how they offer different levels of abstraction and tools to code data access in a database-agnostic way by introducing a layer between the application and the data access language (SQL, LINQ, and so on). By the end of the book, you will be confident in using a wide range of Aurelius features to allow you to get started with databases in a very short space of time. What You Will Learn Gain the fundamentals of ORM frameworks and Aurelius for Delphi Achieve basic tasks, such as connecting to the database and adding, deleting, and updating records, using Aurelius Employ advanced database queries Use the `TAureliusDataSet` component Integrate with mobile platforms such as Android and iOS Work with the data modeler application Who This Book Is For Software developers starting with Aurelius or those who have some exposure to the framework.

**Dependency Injection in Delphi** - Nick Hodges 2017-03-01

JBuilder Essentials - Cary Jensen 1998

Offers instructions and advice on designing Java projects, using the Java toolset, developing code,

and creating fill-in forms, menus, and text editors

*Programming Paradox for Windows*- Cary Jensen 1993

The cleanest of the new Windows databases, Paradox for Windows was built from the ground up--not as a Windows version of Paradox for DOS. It features graphical tools for creating forms and reports, and a graphical data modeling tool for establishing relations between data tables. The innovative built-in language, ObjectPAL, is object-based and event driven, allowing developers to customize how objects respond to events. Includes hands-on exercises to clarify concepts and build skills for new programmers. Organized as a reference for advanced users.

**Code Faster in Delphi** - Alister Christie  
2020-09-26

Don't touch that mouse! Hands on the keyboard, and eyes front. You're about to embark on a Bootcamp to tone your coding muscles, sharpen your shortcuts, fix forms faster, and accelerate your career as a Delphi Programmer. Now drop and give me twenty lines of code and five laps of that while loop. This book will help you Code Faster in Delphi through a vast array of tips, tricks and hacks to squeeze every bit of productivity out of yourself and the Delphi IDE. Some ways your coding will be made easier: By enhancing the IDE with plugins. You'll be introduced to powerful language features such as: Interfaces Generics Anonymous Methods Get started with some of the best parts of the Run-Time Library, including: Generic Collections Parallel Programming Library Regular Expressions Enhanced RTTI FireDAC Use Meta-Programming to write and modify code to save you from horribly repetitive tasks. Improve your physical environment with easy solutions to hardware and station problems. And of course, once you've mastered these, where to go to get even faster and better. With over one hundred areas of improvement covered, this holistic approach to Coding Faster In Delphi will boost your productivity, and therefore your value to your clients, bosses, and colleagues.

**Mastering Delphi Programming: A Complete Reference Guide** - Primož Gabrijelčič  
2019-11-26

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 Gabrijelčič Hands-On Design Patterns with Delphi by Primož Gabrijelčič 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.

*Oracle Tuning* Alexey B. Danchenkov  
2006-02-01

Oracle 10g has become the most complex database ever created and Oracle tuning has become increasingly complex. This book provides a complete step-by-step approach for holistic Oracle tuning and it is the accumulated knowledge from tuning thousands of Oracle databases. Incorporating the principles of artificial intelligence, Oracle10g has developed a sophisticated mechanism for capturing and tracking database performance over time periods. This new complexity has introduced dozens of new v\$ and DBA views, plus dozens of Automatic Workload Repository (AWR) tables. The AWR and its interaction with the Automatic Database Diagnostic Monitor (ADDM) is a revolution in database tuning. By understanding the internal workings of the AWR tables, the senior DBA can develop time-series tuning models to predict upcoming outages and dynamically change the instance to accommodate the impending resource changes. This is not a book for beginners. Targeted at the senior Oracle DBA, this book dives deep into the internals of the v\$ views, the AWR table structures and the new DBA history views. Packed with ready-to-run scripts, you can quickly monitor and identify the most challenging performance issues.

**One Thousand Ways to Make \$1000** - F. C. Minaker 2017-07-11

First published in 1936, One Thousand Ways to Make \$1000 is the long out-of-print book that Warren Buffett's biographers credit with shaping the legendary investor's business acumen and giving him his trademark appreciation of compound interest. After pulling a copy of One Thousand Ways off a library shelf at age eleven and devouring F.C. Minaker's plucky and practical business advice, Buffett declared that he would be a millionaire by the time he was 35. Written in the immediate, conversational style of Dale Carnegie's How to Win Friends and Influence People, this book is full of inventive ideas on how to make money through excellent salesmanship, hard work, and resourcefulness. While some of the ideas may seem quaint today- goat dairying, manufacturing motor-driven chairs, and renting out billiard tables to local establishments are among the money-making ideas presented- the underlying fundamentals of business explained in these pages remain as

solid as they were over seventy years ago. Covering a wide spectrum of topics including investing, marketing, merchandising, sales, customer relations, and raising money for charity, One Thousand Ways to Make \$1000 is both a durable, classic business book and a fascinating portrait of determined entrepreneurship in Depression-era America. Every effort has been made to reproduce the content exactly as it was originally presented. [The Firebird Book](#) - Helen Borrie 2004-08-02 \* This is the "official" book on FirebirdSQL—it's being written with the support of the development and management team. \* Includes an extensive set of working, real-world examples, a troubleshooting guide, and a guide to migrating existing databases to FirebirdSQL. \* This is the only book on the topic; appeals to users worldwide, especially in Europe; Most people deploy Firebird on Windows.

**SQL Server Query Performance Tuning** - Grant Fritchey 2014-09-16

Queries not running fast enough? Wondering about the in-memory database features in 2014? Tired of phone calls from frustrated users? Grant Fritchey's book SQL Server Query Performance Tuning is the answer to your SQL Server query performance problems. The book is revised to cover the very latest in performance optimization features and techniques, especially including the newly-added, in-memory database features formerly known under the code name Project Hekaton. This book provides the tools you need to approach your queries with performance in mind. SQL Server Query Performance Tuning leads you through understanding the causes of poor performance, how to identify them, and how to fix them. You'll learn to be proactive in establishing performance baselines using tools like Performance Monitor and Extended Events. You'll learn to recognize bottlenecks and defuse them before the phone rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right, and upon heading off trouble before it occurs. Delight your users. Silence that ringing phone. Put the principles and lessons from SQL Server Query Performance Tuning into practice today. Covers the in-memory features from Project Hekaton Helps establish performance baselines and

monitor against them Guides in troubleshooting and eliminating of bottlenecks that frustrate users

*Delphi GUI Programming with FireMonkey*

Andrea Magni 2020-10-29

Create modern yet effective multi-platform applications by building interactive UIs following a single codebase approach to boost productivity

**Key Features**Delve into the FireMonkey framework and explore its powerful capabilitiesEnhance the user experience by using various technologies included in Delphi and FMXBoost developer productivity through the cross-platform capabilities enabled by the framework

**Book Description** FireMonkey (FMX) is a cross-platform application framework that allows developers to create exciting user interfaces and deliver applications on multiple operating systems (OS). This book will help you learn visual programming with Delphi and FMX. Starting with an overview of the FMX framework, including a general discussion of the underlying philosophy and approach, you'll then move on to the fundamentals and architectural details of FMX. You'll also cover a significant comparison between Delphi and the Visual Component Library (VCL). Next, you'll focus on the main FMX components, data access/data binding, and style concepts, in addition to understanding how to deliver visually responsive UIs. To address modern application development, the book takes you through topics such as animations and effects, and provides you with a general introduction to parallel programming, specifically targeting UI-related aspects, including application responsiveness. Later, you'll explore the most important cross-platform services in the FMX framework, which are essential for delivering your application on multiple platforms while retaining the single codebase approach. Finally, you'll learn about FMX's built-in 3D functionalities. By the end of this book, you'll be familiar with the FMX framework and be able to build effective cross-platform apps. What you will learnExplore FMX's fundamental components with a brief comparison to VCLAchieve visual responsiveness through alignment capabilities and layout componentsEnrich the user experience with the help of transitions and visual animationsGet to grips with data access and visual data

bindingBuild exciting and responsive UIs for desktop and mobile platformsUnderstand the importance of responsive applications using parallel programmingCreate visual continuity through your applications with TFrameStand and TFormStandExplore the 3D functionalities offered by FMXWho this book is for This book is for Delphi developers who are looking to discover the full potential of the FireMonkey framework in order to build interactive cross-platform GUI applications and achieve an optimal UI/UX. Basic familiarity with Delphi programming and the VCL will be beneficial but not mandatory.

**Delphi in a Nutshell** - Ray Lischner 2000-03-16

With a new name and a new focus on CORBA, database drivers, and Microsoft Back Office applications, Inprise/Borland Delphi is enjoying a resurgence, with a growing user base of programmers who use Delphi for rapid development of enterprise computing applications. Not to rest on success, the latest version of Delphi, Version 5, includes further expansion and refinement of the 3-tier application framework introduced in Delphi 4 and has resulted in a prize-winning product.Delphi in a Nutshell is the first concise reference to Borland/Inprise Delphi available. It succinctly collects all the information you need in one easy-to-use, complete, and accurate volume that goes beyond the product documentation itself.Delphi in a Nutshell starts with the Delphi object model and how to use RTTI (Run Time Type Information) for efficient programming. The rest of the book is the most complete Delphi Pascal language reference available in print, detailing every language element with complete syntax, examples, and methods for use. The book concludes with a look at the compiler, discussing compiler directives in depth.

**My Hero Academia** - Kohei Horikoshi

2016-02-02

What would the world be like if 80 percent of the population manifested superpowers called "Quirks"? Heroes and villains would be battling it out everywhere! Being a hero would mean learning to use your power, but where would you go to study? The Hero Academy of course! But what would you do if you were one of the 20 percent who were born Quirkless? A sinister

group of villains has attacked the first-year U.A. students, but their real target is All Might. It's all that Midoriya and his classmates can do to hold them off until reinforcements arrive. All Might joins the battle to protect the kids, but as his power runs out he may be forced into an extremely dangerous bluff!

### **Fearless Cross-Platform Development with Delphi** - David Cornelius 2021-10-22

Learn to rapidly build and deploy cross-platform applications from a single codebase with practical, real-world solutions using the mature Delphi 10.4 programming environment

**Key Features**

- Implement Delphi's modern features to build professional-grade Windows, web, mobile, and IoT applications and powerful servers
- Become a Delphi code and project guru by learning best practices and techniques for cross-platform development
- Deploy your complete end-to-end application suite anywhere

**Book Description** Delphi is a strongly typed, event-driven programming language with a rich ecosystem of frameworks and support tools. It comes with an extensive set of web and database libraries for rapid application development on desktop, mobile, and internet-enabled devices. This book will help you keep up with the latest IDE features and provide a sound foundation of project management and recent language enhancements to take your productivity to the next level. You'll discover how simple it is to support popular mobile device features such as sensors, cameras, and GPS. The book will help you feel comfortable working with FireMonkey and styles and incorporating 3D user interfaces in new ways. As you advance, you'll be able to build cross-platform solutions that not only look native but also take advantage of a wide array of device capabilities. You'll also learn how to use embedded databases, such as SQLite and InterBase ToGo, synchronizing them with your own custom backend servers or modules using the powerful RAD Server engine. The book concludes by sharing tips for testing and deploying your end-to-end application suite for a smooth user experience. By the end of this book, you'll be able to deliver modern enterprise applications using Delphi confidently. What you will learn

**Discover the latest enhancements in the Delphi IDE**

**Overcome the barriers that hold**

you back from embracing cross-platform development

**Become fluent with FireMonkey controls, styles, LiveBindings, and 3D objects**

**Build Delphi packages to extend RAD Server or modularize your applications**

**Use FireDAC to get quick and direct access to any data**

**Leverage IoT technologies such as Bluetooth and Beacons and learn how to put your app on a Raspberry Pi**

**Enable remote apps with backend servers on Windows and Linux through REST APIs**

**Develop modules for IIS and Apache web servers**

**Who this book is for** This book is for Delphi developers interested in expanding their skillset beyond Windows programming by creating professional-grade applications on multiple platforms, including Windows, Mac, iOS, Android, and back-office servers. You'll also find this book useful if you're a developer looking to upgrade your knowledge of Delphi to keep up with the latest changes and enhancements in this powerful toolset. Some Delphi programming experience is necessary to make the most out of this book.

*Expert Delphi* Pawel Glowacki 2017-06-30

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.

**Building Kylix Applications** - Cary Jensen  
2001

Kylix is the first killer application for the Linux environment, which will allow Linux to truly compete with Windows. Excellent timing--this developer's guide will be among the first on the market to this topic. Author is renowned in the Borland market.

**JavaScript: The Good Parts** - Douglas Crockford  
2008-05-08

Most programming languages contain good and bad parts, but JavaScript has more than its share of the bad, having been developed and released in a hurry before it could be refined. This authoritative book scrapes away these bad

features to reveal a subset of JavaScript that's more reliable, readable, and maintainable than the language as a whole—a subset you can use to create truly extensible and efficient code. Considered the JavaScript expert by many people in the development community, author Douglas Crockford identifies the abundance of good ideas that make JavaScript an outstanding object-oriented programming language—ideas such as functions, loose typing, dynamic objects, and an expressive object literal notation. Unfortunately, these good ideas are mixed in with bad and downright awful ideas, like a programming model based on global variables. When Java applets failed, JavaScript became the language of the Web by default, making its popularity almost completely independent of its qualities as a programming language. In *JavaScript: The Good Parts*, Crockford finally digs through the steaming pile of good intentions and blunders to give you a detailed look at all the genuinely elegant parts of JavaScript, including: Syntax Objects Functions Inheritance Arrays Regular expressions Methods Style Beautiful features The real beauty? As you move ahead with the subset of JavaScript that this book presents, you'll also sidestep the need to unlearn all the bad parts. Of course, if you want to find out more about the bad parts and how to use them badly, simply consult any other JavaScript book. With *JavaScript: The Good Parts*, you'll discover a beautiful, elegant, lightweight and highly expressive language that lets you create effective code, whether you're managing object libraries or just trying to get Ajax to run fast. If you develop sites or applications for the Web, this book is an absolute must.

*Delphi Memory Management* - Dalija Prasnikar  
2018-06-24

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 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 development process discussing memory management is impossible without discussing its specific implementation in specific languages and toolsets.

#### **Mastering Delphi 4** - Marco Cantù 1998

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 High Performance** - Primož Gabrijelčič 2018-02-26

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.

#### Borland C++ Builder 6 Developer's Guide - Bob Swart 2003

0672324806.lid 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.

*Del phi MVCFramework - the Official Gui-de*  
Daniele Teti 2021-09

Leverage the power of REST and JSON-RPC using the most popular framework for Delphi  
**More Coding in Delphi** - Nick Hodges  
2017-07-14

Learn the fundamentals of Delphi to build a variety of solutions for many devices and platforms. Author Marco Breveglieri will provide you with an overview of Delphi, its principles, its environment, and its use of Object Pascal language so that you can harness its versatility. With Delphi, the power of Delphi is at your fingertips. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for

all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

[Hands-On Design Patterns with Delphi](#) - Primož Gabrijelčič 2019-02-27

Get up to speed with creational, structural, behavioral and concurrent patterns in Delphi to write clear, concise and effective code Key FeaturesDelve into the core patterns and components of Delphi in order to master your application's designBrush up on tricks, techniques, and best practices to solve common design and architectural challengesChoose the right patterns to improve your program's efficiency and productivityBook Description Design patterns have proven to be the go-to solution for many common programming scenarios. This book focuses on design patterns applied to the Delphi language. The book will provide you with insights into the language and its capabilities of a runtime library. You'll start by exploring a variety of design patterns and understanding them through real-world examples. This will entail a short explanation of the concept of design patterns and the original set of the 'Gang of Four' patterns, which will help you in structuring your designs efficiently. Next, you'll cover the most important 'anti-patterns' (essentially bad software development practices) to aid you in steering clear of problems during programming. You'll then learn about the eight most important patterns for each creational, structural, and behavioral type. After this, you'll be introduced to the concept of 'concurrency' patterns, which are design patterns specifically related to multithreading and parallel computation. These will enable you to develop and improve an interface between items and harmonize shared memories within threads. Toward the concluding chapters, you'll explore design patterns specific to program design and other categories of patterns that do not fall under the 'design' umbrella. By the end of this book, you'll be able to address common design problems encountered while developing applications and feel confident while building scalable projects. What you will learnGain insights into the concept of design patternsStudy modern programming techniques with DelphiKeep up to date with the latest additions and program design techniques in DelphiGet to

grips with various modern multithreading approaches Discover creational, structural, behavioral, and concurrent patterns Determine how to break a design problem down into its

component parts Who this book is for Hands-On Design Patterns with Delphi is aimed at beginner-level Delphi developers who want to build scalable and robust applications. Basic knowledge of Delphi is a must.