

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 learn

Explore FMX's fundamental components with a brief comparison to VCL
Achieve visual responsiveness through alignment capabilities and layout components
Enrich the user experience with the help of transitions and visual animations
Get to grips with data access and visual data binding
Build exciting and responsive UIs for desktop and mobile platforms
Understand the importance of responsive applications using parallel programming
Create visual continuity through your applications with TFrameStand and TFormStand
Explore the 3D functionalities offered by FMX
Who 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.

The authors explore, in depth, the latest information on the best ways to build efficient usable applications with Delphi 5.

Build a range of exciting projects by exploring cross-platform development and microservices

Delphi 4 Developer's Guide

Advantage Database Server

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 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 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 learn the latest 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, camera, and location services, and how to build cross-platform solutions that not only look native but also take advantage of a wide array of device capabilities. You'll learn how to work comfortably 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, 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 applications. 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 Delphi for 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 to build professional-grade applications 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 the latest changes and enhancements in this powerful toolset. Some Delphi programming experience is necessary to make the most out of this book.

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 t