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# Delphi Xe4 Tutorials

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Dependency Injection in Delphi  
 Using Delphi  
 Coding in Delphi  
 Mastering Delphi Programming: A Complete Reference Guide  
 How to Program Delphi 3  
 Delphi GUI Programming with FireMonkey  
 Gray Hat Hacking, Second Edition  
 Mastering Delphi 7  
 Delphi. Программирование для Windows, OS X, iOS и Android  
 Delphi in Depth: FireDAC  
 Concurrent Programming on Windows  
 Reverse Engineering Code with IDA Pro  
 DelphiMVCFramework - the Official Guide  
 Delphi Memory Management  
 Introductory Geographic Information Systems  
 The Firebird Book  
 Buffer Overflow Attacks  
 Delphi High Performance  
 Lean & Mean Borland C++  
 Borland C++ Builder 6 Developer's Guide  
 Delphi 4  
 More Coding in Delphi  
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 Pascal  
 Delphi XE Development Essentials  
 Delphi in a Nutshell  
 Mastering Delphi 4  
 .NET and COM  
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 Computer Systems Performance Evaluation and Prediction  
 Delphi Developer's Guide to XML  
 Tomes of Delphi  
 Delphi Cookbook  
 Expert Delphi  
 Fearless Cross-Platform Development with Delphi  
 Patterns of Enterprise Application Architecture  
 Code Faster in Delphi  
 The C# Programming Language (Covering C# 4.0), Portable Documents  
 Jumping Into C++  
 Delphi in Depth

Delphi Xe4 Tutorials

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## ABBEY SIMONE

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*Dependency Injection in Delphi* Packt Publishing Ltd

“When you begin using multi-threading throughout an application, the importance of clean architecture and design is critical. . . . This places an emphasis on understanding not only the platform’s capabilities but also emerging best practices. Joe does a great job interspersing best practices alongside theory throughout his book.” – From the Foreword by Craig Mundie, Chief Research and Strategy Officer, Microsoft Corporation  
 Author Joe Duffy has risen to the challenge of explaining how to write software that takes full advantage of concurrency and hardware parallelism. In *Concurrent*

*Programming on Windows*, he explains how to design, implement, and maintain large-scale concurrent programs, primarily using C# and C++ for Windows. Duffy aims to give application, system, and library developers the tools and techniques needed to write efficient, safe code for multicore processors. This is important not only for the kinds of problems where concurrency is inherent and easily exploitable—such as server applications, compute-intensive image manipulation, financial analysis, simulations, and AI algorithms—but also for problems that can be speeded up using parallelism but require more effort—such as math libraries, sort routines, report generation, XML manipulation, and stream processing algorithms. *Concurrent Programming on Windows* has four major sections: The first introduces concurrency

at a high level, followed by a section that focuses on the fundamental platform features, inner workings, and API details. Next, there is a section that describes common patterns, best practices, algorithms, and data structures that emerge while writing concurrent software. The final section covers many of the common system-wide architectural and process concerns of concurrent programming. This is the only book you’ll need in order to learn the best practices and common patterns for programming with concurrency on Windows and .NET. *Using Delphi* Pearson Education  
*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.

*Coding in Delphi* Addison-Wesley Professional

If you want to master the art and science of reverse engineering code with IDA Pro for security R&D or software debugging, this is the book for you. Highly organized and sophisticated criminal entities are constantly developing more complex, obfuscated, and armored viruses, worms, Trojans, and botnets. IDA Pro's interactive interface and programmable development language provide you with complete control over code disassembly and debugging. This is the only book which focuses exclusively on the world's most powerful and popular tool for reverse engineering code. Reverse Engineer REAL Hostile Code To follow along with this chapter, you must download a file called !DANGER!INFECTEDMALWARE!DANGER!... 'nuff said Portable Executable (PE) and Executable and Linking Formats (ELF) Understand the physical layout of PE and ELF files, and analyze the components that are essential to reverse engineering Break Hostile Code Armor and Write your own Exploits Understand execution flow, trace functions, recover hard coded passwords, find vulnerable functions, backtrace execution, and craft a buffer overflow Master Debugging Debug in IDA Pro, use a debugger while reverse engineering, perform heap and stack access modification, and use other debuggers Stop Anti-Reversing Anti-reversing, like reverse engineering or coding in assembly, is an art form. The trick of course is to try to stop the person reversing the application. Find out how! Track a Protocol through a Binary and Recover its Message Structure Trace execution flow from a read event, determine the structure of a protocol, determine if the protocol has any undocumented messages, and use IDA Pro to determine the functions that process a particular message Develop IDA Scripts and Plug-ins Learn the basics of IDA scripting and syntax, and write IDC scripts and plug-ins to automate even the most complex tasks

**Mastering Delphi Programming: A Complete Reference Guide** Createspace Independent Publishing Platform

A handy, easy-to-use, and time-saving reference to Borland C++ 4.0, this guide provides programmers with quick access to the commands, classes and syntax within Borland C++. It also includes code examples and suggestions for the most common statements and code uses.

*How to Program Delphi 3* McGraw-Hill Osborne Media

Avec Le Programmeur Delphi 4, vous apprendrez à maîtriser l'environnement de développement intégré de Delphi pour programmer rapidement vos propres applications. Grâce à de nombreux exemples pratiques, vous découvrirez les secrets de la programmation objet et de la programmation COM et ActiveX. Vous vous initiez, étape par étape, au développement d'applications de bases de données. Vous serez en mesure de créer des DLL et vos propres composants. Enfin, vous saurez réaliser des applications performantes pour l'Internet.

*Delphi GUI Programming with FireMonkey* McGraw Hill Professional

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.

**Gray Hat Hacking, Second Edition** "O'Reilly Media, Inc."

"A fantastic book for anyone looking to learn the tools and techniques needed to break in and stay in." --Bruce Potter, Founder, The Shmoo Group "Very highly recommended whether you are a seasoned professional or just starting out in the security business." --Simple Nomad, Hacker

*Mastering Delphi 7* Sams Publishing

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.

*Delphi. Программирование для Windows, OS X, iOS и Android* Createspace Independent Pub

Use structural, behavioral, and concurrent patterns in Delphi to skillfully develop applications Key FeaturesDelve into the core patterns and components of Delphi to enhance your application's designLearn how to select the right patterns to improve your program's efficiency and productivityDiscover how parallel programming and memory management can optimize your codeBook 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.

Delphi in Depth: FireDAC Digital Press The opening chapters discuss the Delphi object model, runtime type information and concurrent programming, while the bulk of the book is a language reference with every keyword, directive, function, procedure, variable, class, method, and property that is part of Delphi Pascal. Annotation copyrighted by Book News, Inc., Portland, OR

Concurrent Programming on Windows Packt Publishing Ltd

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. The focus of the book is on COM Interoperability (since it's a much larger subject), and the heart of the discussion is broken down into four parts: Using COM Components Within the .NET Framework Using .NET Framework Components from COM Designing Good .NET Framework Components for COM Clients Designing Good COM Components for .NET Framework Clients The scope of the book is just about everything related to using "unmanaged code" in the .NET Framework. Technologies built on top of COM Interoperability are also covered- Interoperability of Windows Forms Controls and ActiveX controls, Interoperability with COM+, and Interoperability with Distributed COM (DCOM). Although Platform Invocation Services is a separate technology from COM Interoperability, there are many areas of overlap, so including in the book is a natural fit. All of these technologies are a core part of the Common Language Runtime and .NET Framework, and will likely be used not only as the path of migration for existing software projects, but for brand new software development for the next several years.

**Reverse Engineering Code with IDA Pro** Apress

Наиболее полное руководство для решения практических задач в пакете Adobe Photoshop CC. Рассматриваются новые возможности работы с цифровыми изображениями и фотографиями, обеспечивающие интеллектуальное ретуширование, реалистичное раскрашивание и выделение изображений, инструменты рисования и маскирования, цветовые модели, приемы редактирования изображений и фотографий, маски, слои, каналы, фильтры, автоматизация рутинных операций, подготовка документов к печати, интересные примеры работы с 3D-графикой и текстом. Показано, как настроить программу, эффективно применить инструменты, выполнить фотомонтаж, улучшить качество снимков, отретушировать цифровую фотографию, осуществить тоновую и цветовую коррекцию, подготовить изображения для публикации в Интернете и др. Даны сведения о сервисе Adobe Creative Cloud. На сайте издательства приведены исходные файлы примеров и образцы итоговых работ. Файлы для книги можно скачать по ссылке <ftp://ftp.bhv.ru/9785977532891.zip>  
DelphiMVCFramework - the Official Guide Addison-Wesley 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.

**Delphi Memory Management** Que Pub Leverage the power of REST and JSON-RPC using the most popular framework for Delphi

Introductory Geographic Information Systems Sybex

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.

*The Firebird Book* БХВ-Петербург  
Introduction to GIS -- Georeferencing -- Data for GIS -- Data Quality -- Spatial Data Models and Databases -- Spatial Analysis of Vector and Raster Data -- Network Analysis -- Statistics and Spatial Data Measurements -- Spatial Analysis of 3-dimensional Data -- Cartography Using a GIS -- GIS Hardware/Software and Programming -- Future Considerations.

*Buffer Overflow Attacks* Prentice Hall  
The SANS Institute maintains a list of the "Top 10 Software Vulnerabilities." At the current time, over half of these vulnerabilities are exploitable by Buffer Overflow attacks, making this class of attack one of the most common and most dangerous weapon used by malicious attackers. This is the first book specifically aimed at detecting, exploiting, and preventing the most common and dangerous attacks. Buffer overflows make up one of the largest collections of vulnerabilities in existence; And a large percentage of possible remote exploits are of the overflow variety. Almost all of the most devastating computer attacks to hit the Internet in recent years including SQL Slammer, Blaster, and I Love You attacks. If executed properly, an overflow

vulnerability will allow an attacker to run arbitrary code on the victim's machine with the equivalent rights of whichever process was overflowed. This is often used to provide a remote shell onto the victim machine, which can be used for further exploitation. A buffer overflow is an unexpected behavior that exists in certain programming languages. This book provides specific, real code examples on exploiting buffer overflow attacks from a hacker's perspective and defending against these attacks for the software developer. Over half of the "SANS TOP 10 Software Vulnerabilities" are related to buffer overflows. None of the current-best selling software security books focus exclusively on buffer overflows. This book provides specific, real code examples on exploiting buffer overflow attacks from a hacker's perspective and defending against these attacks for the software developer.

*Delphi High Performance* Elsevier  
The ideal book for experienced programmers who want to get up to speed quickly with the new visual version of Borland's professional product. Includes a fast-paced Pascal tutorial which focuses on the language's essentials. Features a quick reference to the important areas of Borland's complex ObjectWindows Library and the Windows API routines.

*Lean & Mean Borland C++* Pearson Education  
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.

*Borland C++ Builder 6 Developer's Guide* Packt Publishing Ltd

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include · Dividing an enterprise application into layers · The major approaches to organizing business logic · An in-depth treatment of mapping between objects and relational databases · Using Model-View-Controller to organize a Web presentation · Handling concurrency for data that spans multiple transactions · Designing distributed object interfaces

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