

How To Create Odata Services For Analytic Queries Sap

Beginning ASP.NET 4.5 Databases introduces you to the world of building data-driven Web sites using ASP.NET, ADO.NET and the Entity Framework using C#. Since ASP.NET developers need to access databases quickly and efficiently, this book teaches the best practices and methods to help developers achieve professional ASP.NET and database solutions. Beginning ASP.NET 4.5 Databases is a comprehensive introduction on how you can connect a Web site to many different data sources — not just databases — and use the data to create dynamic page content. It also shows you how to build a relational database, use SQL to communicate with it, and understand how they differ from each other. With in-depth, on-target coverage of the new data access features of .NET Framework 4.5, this book is your guide to using ASP.NET to build responsive, easy-to-update data-driven Web sites.

Enrich your skill set with Open SQL and CD5 views DESCRIPTION The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To provide clarity on the programming examples, logic is properly explained and discussed by using comments in program itself. The topics covered in this book include starting the software using snapshots of the same and writing programs. Simple to complex SAP/ ABAP HANA examples are provided in detail, considering the requirement of IT consultants the basic idea of developing projects in it. The examples provided in this book are user-focused and are provided through sections, figures and examples. KEY FEATURES Comprehensive coverage of SAP / ABAP HANA with emphasis on real-time case studies. Practical examples along with Screen personas, SAP Fiori cloud, OPEN SQL, Native SQL & ADBC, CDS support in SAP NW ABAP 7.4 SP5, SAP HANA Studio, performance enabler Rules & guidelines. Simple language, crystal clear approach, straight forward comprehensible presentation. Concepts are duly supported with examples. Topic coverage with the aim to fill the skill gap among industry and academia. SAP Business Suite powered by SAP HANA are helpful for developing projects for IT consultants WHAT WILL YOU LEARN Gaining Customers by adopting and implementing SAP HANA in organisations / projects / programs Facilitating to maintain Customer Relationships as the core of all successful working relationships are two essential characteristics: trust and commitment. To demonstrate their trustworthiness and commitment to customers, progressive suppliers periodically provide evidence to customers of their accomplishments. Help in delivering “Superior Value and Getting an Equitable Return” as understanding value in business markets and doing business based on value delivered gives suppliers the means to get an equitable return for their efforts. This document is a compilation of SAP ABAP/4 coding and efficiency standards and will provide guidance in creating readable, maintainable code. It is intended for all developers in the SAP R/3 system. This document is based primarily on ABAP/4. WHO THIS BOOK IS FOR Person from IT domain having software background, preferably with SAP technical or techno functional or functional or domain knowledge. Table of Contents 1. Introduction 2. General Programming Standards 3. ABAP Internal Names 4. ABAP/4 Dictionary 5. Security Authorisations considerations 6. ABAP/4 Coding Techniques

The world’s most popular spreadsheet program is now more powerful than ever, but it’s also more complex. That’s where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You’ll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel’s new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.

This book constitutes the refereed proceedings of the 7th IFIP WG 2.14 European Conference on Service-Oriented and Cloud Computing, ESOC 2018, held in Como, Italy, in September 2018. The 10 full and 5 short papers presented in this volume were carefully reviewed and selected from 32 submissions. The volume also contains one invited talk in full paper length. The main event mapped to the main research track which focused on the presentation of cutting-edge research in both the service-oriented and cloud computing areas. In conjunction, an industrial track was also held attempting to bring together academia and industry through showcasing the application of service-oriented and cloud computing research, especially in the form of case studies, in the industry.

A fast track example- driven guide with clear instructions and details for OData programming with .NET Framework.

ASP.NET Web API 2 Recipes provides you with the code to solve a full range of Web API problems and question marks that you might face when developing line-of-business applications. ASP.NET Web API 2 Recipes gives you an in-depth explanation for each of these scenarios and shows you how to use Web API with a vast array of .NET application development tools and external libraries, to solve common business problems. Find out how you can build custom web services with ASP.NET Web API more efficiently than ever.

SAP Gateway and ODataRheinwerk Publishing

Presents strategies to designing platform agnostic mobile apps connected to cloud based services that can handle heavy loads of modern computing Provides development

patterns for platform agnostic app development and technologies Includes recommended standards and structures for easy adoption Covers portable and modular back-end architectures to support service agility and rapid development

This book provides a soup-to-nuts guide to developing applications for Windows Phone and publishing them to the Windows Marketplace, covering the latest Windows 8 updates. SQL Azure represents Microsoft's cloud-based delivery of its enterprise-caliber, SQL Server database management system (formerly under the code name "Oslo"). Pro SQL Azure introduces you to this new platform, showing you how to program and administer it in a variety of cloud computing scenarios. You'll learn to program SQL Azure from Silverlight, ASP.NET, WinForms, and from SQL Reporting Services. You'll also understand how to manage the platform by planning for scalability, troubleshooting performance issues, and implementing strong security. Shows how to use SQL Azure from Silverlight, ASP.NET, and more Covers management, scalability, and troubleshooting Addresses the all-important issue of securing your data

This 2-in-1 Training Kit delivers in-depth preparation plus practice for MCTS Exam 70-516. Ace your exam prep—and build job skills—with hands-on lessons, practice tests, and other resources, including code samples.

Create applications for all major smartphone platforms Creating applications for the myriad versions and varieties of mobile phone platforms on the market can be daunting to even the most seasoned developer. This authoritative guide is written in such a way that it takes your existing skills and experience and uses that background as a solid foundation for developing applications that cross over between platforms, thereby freeing you from having to learn a new platform from scratch each time. Concise explanations walk you through the tools and patterns for developing for all the mobile platforms while detailed steps walk you through setting up your development environment for each platform. Covers all the major options from native development to web application development Discusses major third party platform development acceleration tools, such as Appcelerator and PhoneGap Zeroes in on topics such as developing applications for Android, IOS, Windows Phone 7, and Blackberry Professional Mobile Cross Platform Development shows you how to best exploit the growth in mobile platforms, with a minimum of hassle.

Connect your SAP system and the world of OData with this comprehensive guide to SAP Gateway! Begin with the basics, then walk through the steps to create an OData service. Expand your skills further, with how-tos on developing SAPUI5 apps with the SAP Web IDE; building SAP Fiori, mobile, and enterprise applications; and performing administrative tasks for lifecycle management and security. Explore the latest trends and technologies, and map out your OData future! a. Deployment, Installation, Configuration Get started! Discover the various deployment options for SAP Gateway, and get step-by-step instructions for installation and configuration. b. OData Services Create! Walk through the specific tools for and steps in creating OData services. Then learn how to extend your existing OData services, including redefining services and customizing SAP Fiori apps. c. Application Development Develop! Learn how OData and SAP Gateway are used in SAPUI5, SAP Fiori, mobile, social media, and enterprise applications. Highlights: SAP Gateway installation and deployment OData service creation and deployment Mobile development Social media development Security Lifecycle management SAPUI5 SAP Web IDE SAP Fiori SAP HANA Galileo Press heißt jetzt Rheinwerk Verlag.

Design scalable and robust RESTful web services with JAX-RS and Jersey extension APIs About This Book Get to grips with the portable Java APIs used for JSON processing Design solutions to produce, consume, and visualize RESTful web services using WADL, RAML, and Swagger A step-by-step guide packed with many real-life use-cases to help you build efficient and secure RESTful web APIs in Java Who This Book Is For If you are a web developer with a basic understanding of the REST concepts but are new to the idea of designing and developing RESTful web services, this is the book for you. As all the code samples for the book are written in Java, proficiency in Java is a must. What You Will Learn Introduce yourself to the RESTful software architectural style and the REST API design principles Make use of the JSR 353 APIs and Jackson API for JSON processing Build portable RESTful web APIs, making use of the JAX-RS 2.0 API Simplify API development using the Jersey extension APIs Secure your RESTful web services with various authentication and authorization mechanisms Get to grips with the various metadata solutions to describe, produce, and consume RESTful web services Understand the design and coding guidelines to build well-performing RESTful APIs See how the role of RESTful web services changes with emerging technologies and trends In Detail REST (REpresentational State Transfer) is a simple yet powerful software architecture style to create scalable web services and allow them to be simple, lightweight, and fast. The REST API uses HTTP and JSON, so that it can be used with many programming languages such as Ruby, Java, Python, and Scala. Its use in Java seems to be the most popular though, because of the API's reusability. This book is a guide to developing RESTful web services in Java using the popular RESTful framework APIs available today. You will begin with gaining an in-depth knowledge of the RESTful software architectural style and its relevance in modern applications. Further, you will understand the APIs to parse, generate, transform, and query JSON effectively. Then, you will see how to build a simple RESTful service using the popular JAX-RS 2.0 API along with some real-world examples. This book will introduce you to the Jersey framework API, which is used to simplify your web services. You will also see how to secure your services with various authentication mechanisms. You will get to grips with various solutions to describe, produce, consume, and visualize RESTful web services. Finally, you will see how to design your web services to equip them for the future technological advances, be it Cloud or mobile computing. By the end of this book, you will be able to efficiently build robust, scalable, and secure RESTful web services, making use of the JAX-RS and Jersey framework extensions. Style and approach This book is written as a step-by-step guide to designing and developing robust RESTful web services. Each topic is explained in a simple and easy-to-understand manner with lots of real-life use-cases and their solutions.

Take a deep dive into SAP Fiori and discover Fiori architecture, Fiori landscape installation, Fiori standard applications, Fiori Launchpad configuration, tools for developing Fiori applications and extending standard Fiori applications. You will learn: Fiori architecture and its applications Setting up a Fiori landscape and Fiori Launchpad Configuring, customizing and enhancing standard Fiori applications Developing Fiori native applications for mobile Internet of Things-based custom Fiori applications with the HANA cloud platform Bince Mathew, a SAP mobility expert working for an MNC in Germany, shows you how SAP Fiori, based on HTML5 technology, addresses the most widely and frequently used SAP transactions like purchase order approvals, sales order creation, information lookup, and self-service tasks. This set of HTML5 apps provides a very simple and accessible experience across desktops, tablets, and smartphones. Prerequisites and steps for setting up a Fiori landscape and Launchpad Fiori standard application configuration Extending and customizing standard Fiori applications Developing custom Fiori applications from scratch Building custom Fiori applications for Internet Of Things using HANA cloud Fiori apps with cordova and kapsel plugins

Learn how to install, configure, and maintain the latest release of Microsoft's popular SharePoint Server, SharePoint 2016. This latest version brings with it many changes for IT professionals. With this book you will learn how to create an efficient and stable SharePoint environment for your organization. What You'll Learn Install SharePoint Server 2016, both using the user interface provided by Microsoft, and by using PowerShell Understand your authentication options and associated security considerations Deploy add-ins, either from the store, or from your own custom app catalog Configure Search Service Application using either the provided UI or PowerShell Configure business intelligence components such as Excel Services, SQL Server Reporting Services, and PowerPivot Migrate to SharePoint Server

2016 from either SharePoint Server 2010 or 2013 Understand approaches to high availability, disaster recovery, patching, and ways to monitor and maintain your SharePoint 2016 deployment once it's up and running Who This Book Is For Anyone tasked with installing, configuring, and maintaining SharePoint Server 2016 in their organization. This book assumes some working knowledge of a previous release of SharePoint Server, such as SharePoint 2010 or SharePoint 2013

Real World Windows 8 Development is a developer's handbook - an essential guide to building complete, end-user ready Windows 8 applications on the XAML and C# programming stack from start to finish. Starting with Windows 8 basics and walking through practical aspects of building your Windows 8 application, you'll find step-by-step instructions and practical advice that will leave you with a modern, elegant app written to the highest of standards. Author Samidip Basu, an early adopter of Windows 8 app development techniques, breaks down the design, development, and polish of a real-world business application, adding handy tips and tricks around controls, user interface design, storage, navigation, contracts, and more. Give your Windows 8 application development efforts a kick-start with Real World Windows 8 Development. What you'll learn Discover the pertinent points of the technology stack in Windows 8 from a developer's perspective. Familiarize yourself with best practices around usage of controls, user experience paradigms, navigation, storage, service integration, contracts, and more. Incrementally make your Windows 8 application feature-rich and an integrated well-behaved citizen in the operating system. Learn from crisp, standalone discussion of topics in each chapter Who this book is for Real World Windows 8 Development is by a developer, for developers. The book is for .NET developers wanting to utilize their existing skills in XAML and C# towards building a Windows 8 application. On the fence about how your C# and .NET skills apply in the new WinRT world? Have a dream application idea that you slowly want to build up? This book is for you. Table of Contents Part I - Knowing the Ecosystem: Introduction to Windows 8 Part I - Knowing the Ecosystem: Modern UI Design Part II - Getting Started: The Platform & Developer Tools Part II - Getting Started: The Right Controls Part II - Getting Started: The Look & Feel Part II - Getting Started: Content Structuring & Navigation Part III - Into the Groove: Orientation & Visual States Part III - Into the Groove: Handling Data Part III - Into the Groove: Application Lifecycle Management Part III - Into the Groove: Contracts Part IV - The Bling: Media & Sensors Part IV - The Bling: Tiles, Badges, and Toasts Part V - Above & Beyond: Cloud Augmentation Part V - Above & Beyond: Live Service Integration Part V - Above & Beyond: Real-World Techniques Part V - Above & Beyond: Deployment

Windows® Phone 8 Unleashed is the definitive guide to Microsoft's new Windows Phone 8 platform for intermediate to advanced developers. Written by Microsoft MVP and leading Windows Phone and WPF innovator Daniel Vaughan, this full-color guide covers everything developers need to rapidly build highly competitive Windows Phone 8 mobile apps. Vaughan teaches through complete sample apps—leveraging the MVVM pattern—illuminating each key concept with fully explained code and real-world context. He presents best practices for building highly functional, maintainable, and attractive mobile interfaces; integrating touch, rich media, and data; testing; profiling; and more. Expanded and updated, Vaughan shares expert insights available in no other book, drawing on his exceptional access to the Windows Phone development team through the elite Microsoft Silverlight and WPF Insiders group. Along the way, he presents exceptionally practical and thorough coverage of many powerful new Windows Phone 8 platform enhancements, including full chapters on voice commands and speech synthesis, incorporating speech-driven experiences, Wallet integration, new Live Tile capabilities, the Nokia Maps control, launching apps via file and protocol associations, and much more. Detailed information on how to... * Get started quickly with Windows Phone XAML development in Visual Studio * Master the Capabilities Model, threading, and the Execution Model * Create attractive mobile interfaces using Windows Phone's rich set of controls, including the Windows Phone Toolkit * Make the most of the application bar and other interface elements * Enhance user experience with advanced support for touch, gestures, and sensors * Build location-aware apps that use Nokia Maps and location services * Incorporate speech-driven experiences * Quickly internationalize apps for global markets * Leverage Windows Phone 8's improved camera support * Connect apps to online services via SOAP, REST, and OData * Validate user input on the client side or via WCF services * Use Windows Phone 8's powerful local database support * Implement background actions, file transfers, and audio playback * Automatically launch your app using file and protocol associations * Unit test to find defects earlier, saving time and money

If you are a Visual Studio 2013 or .NET developer who would like to sharpen your existing skill set and adapt to new .NET technologies, this is the book for you. A basic understanding of .NET and C# is required.

Deliver world-class collaboration capabilities through the cloud Use SharePoint Online to provide today's most advanced collaboration capabilities--without managing your own infrastructure! This concise reference will help you configure and manage SharePoint Online to meet your requirements for functionality, performance, and compliance. Bill English covers user profiles, security, search, records management, App Catalogs, metrics, and more--to derive maximum value from SharePoint Online. Master the specific skills you need to deploy and run SharePoint Online Choose the version of SharePoint Online that is best for you Manage profiles, properties, audiences, permissions, policies, and MySite settings Use Business Connectivity Services to make SharePoint Online your central hub for all business information Make the most of SharePoint search, indexing, and records and document management Create and manage security and App Catalogs Solve the core issues of governance, risk, compliance, taxonomies, and training

Over 80 effective recipes to help you solve real-world Microsoft Dynamics 365 for Finance and Operations development problems About This Book Learn all about the enhanced functionalities of Dynamics 365 for Finance and Operations and master development best practices Develop powerful projects using new tools and features Work through easy-to-understand recipes with step-by-step instructions and useful screenshots Who This Book Is For If you are a Dynamics AX developer primarily focused on delivering time-proven applications, then this book is for you. This book is also ideal for people who want to raise their programming skills above the beginner level, and at the same time learn the functional aspects of Dynamics 365 for Finance and Operations. Some X++ coding experience is expected. What You Will Learn Explore data manipulation concepts in Dynamics 365 for Operations Build scripts to assist data migration processes Organize data in Dynamics 365 for Operations forms Make custom lookups using AOT forms and dynamically generate them from X++ code Create a custom electronic payment format and process a vendor payment using it Integrate your application with Microsoft Office Suite and other external systems using various approaches Export and import business data for further distribution or analysis Improve your development efficiency and performance In Detail Microsoft Dynamics 365 for Finance and Operations has a lot to offer developers. It allows them to customize and tailor their implementations to meet their organization's needs. This Development Cookbook will help you manage your company or customer ERP information and operations efficiently. We start off by exploring the concept of data manipulation in Dynamics 365 for Operations. This will also help you build scripts to assist data migration, and show you how to organize data in forms. You will learn how to create custom lookups using Application Object Tree forms and generate them dynamically. We will also show you how you can enhance your application by using advanced form controls, and integrate your system with other external systems. We will help you script and enhance your user interface using UI elements. This book will help you look at application development from a business process perspective, and develop enhanced ERP solutions by learning and implementing the best practices and techniques. Style and approach The book follows a practical recipe-based approach, focusing on real-world scenarios and giving you all the information you need to build a strong Dynamics 365 for Finance and Operations implementation. Full Color: Figures and code appear as they do in Visual Studio Windows Phone 7.5 Unleashed is the first comprehensive, start-to-finish developer's guide to Microsoft's brand-new Windows Phone 7.5.

Written by Microsoft MVP and leading WPF/Silverlight innovator Daniel Vaughan, this full-color guide covers everything developers need to rapidly build highly competitive Windows Phone 7.5 mobile apps. Vaughan teaches through complete sample apps that illuminate each key concept with fully explained code and real-world context. He presents real-world best practices for building highly functional and attractive Metro interfaces; integrating touch, rich media, and data; testing; profiling; and more. Throughout, he shares expert insights available in no other book, drawing on his exceptional access to the Windows Phone development team through the elite Microsoft Silverlight and WPF Insiders group. Along the way, he presents exceptionally practical and thorough coverage of many powerful new Windows Phone 7.5 platform enhancements--including full chapters on sensors, the camera, XNA graphics, local databases, scheduled actions, and background file transfers. Detailed information on how to... Get started fast with Silverlight Windows Phone development in Visual Studio Master the Capabilities Model, threading, and the Execution Model Create attractive Metro interfaces using Windows Phone's rich set of controls, including the Silverlight for Windows Phone Toolkit Make the most of the application bar and other interface elements Enhance user experience with advanced support for touch, gesture, and sensors Build location-aware apps that use Bing Maps and location services Quickly internationalize apps for global markets Leverage Windows Phone 7.5's improved camera support Connect apps to online services via SOAP, REST, and ODATA Validate user input on the client side or via Web services Use Windows Phone 7.5's powerful new local database support Implement background actions, file transfers, and audio playback Incorporate game-style XNA graphics Unit test to find defects earlier, saving time and money

Microsoft has introduced a new product based on MS Dynamics CRM named MS Dynamics 365 which consists of 7 components and has extended functionality compared to any other CRM systems. It is equipped to be flexible to meet the needs of businesses. This book provides a comprehensive coverage of Dynamics 365 and helps you make your tasks much simpler.

This book is a step-by-step tutorial that shows you how to obtain the necessary toolset to create and run Silverlight Enterprise Applications on Azure. The book also covers techniques, practical tips, hints, and tricks for Silverlight interactions with Azure. Each topic is written in an easy-to-read style, with a detailed explanation given and then practical step-by-step exercises with a strong emphasis on real-world relevance. If you are an application developer who wants to build and run Silverlight Enterprise applications using Azure storage, WCF Services, and ASP providers, then this book is for you. You should have a working knowledge of Silverlight and Expression Blend. However, knowledge of Azure is not required since the book covers how to integrate the two technologies in detail.

Demystifying "SAP Business Automation" and shape tangible use cases that add values to your organisation, Customers & Business DESCRIPTION The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To make clarity of the programming examples, logic is explained properly as well discussed using comments in program itself. The book covers the topics right from the start of the software using snapshots of starting the software and writing programs into it. The real-time examples are discussed in detail from simple to complex taking into consideration the requirement of IT consultants. Various sample projects are included in the Book and are written in simple language so as to give IT consultants the basic idea of developing projects in SAP. The examples given in book are user-focused and have been highly updated including topics, figures and examples. The book features more on practical approach with more examples covering topics from simple to complex one addressing many of the core concepts and advance topics also. KEY FEATURES Examples, problem solutions, and tips and tricks for daily practice are given in a simple manner. Learn the Troubleshooting & performance optimization techniques Get to know the Hard coding – Categorization & Recommendations SAP Business Workflow Introduction, Terminology, Function Modules and Reports are given in a simple form. WHAT WILL YOU LEARN SAP NetWeaver Gateway Realtime Case Study and demos on workflow for all the major SAP applications Step-by-step instructions for adapting data flows, agent determination, event definitions, and more SAP Workflow upgrade from 4.6 to 6.0 WHO THIS BOOK IS FOR SAP Consultants, SAP technical, Business analysts, Architects, Team Leads, Project Leads, Project Managers, Account Manager, Account Executives, CEO, CTO, COO, CIO, Sr. VP, Directors. Table of Contents 1. SAP Business Workflow Introduction 2. SAP Business Workflow Terminology 3. SAP Workflow with Function Modules & Reports 4. SAP Workflow Review Checklist 5. Demo- SAP Workflow for Credit Memos 6. Demo- SAP Business Workflow Substitution 7. Demo - When a FI Document is Parked then Trigger Custom Workflow 8. Demo - Goods Returns Workflow 9. Demo- Workflow for MRP Purchase Requisitions 10. Workflow Management System Best Practices 11. Earn Value - Overview 12. Basic Data Services Using SAP NetWeaver Gateway 2.0 13. SAP NetWeaver Gateway- Transaction Codes Usage and Purpose 14. SAP NetWeaver Gateway Basic Configuration 15. Demo- Workflow Trigger Using HR Tables 16. Demo- Workflow Trigger using Status Management 17. Demo- Leave Request 18. Demo- Integration of Portal and SAP Workflow 19. Demo- Integration of Workflow with ALE 20. Demo- Attach link in send mail Step of a Workflow 21. Case Study - Advance Workflow Design- Update Sales Document 22. Case Study - SAP Workflow Upgrade from 4.6 to 6.0 23. Quiz Session - SAP Workflow

A comprehensive guide to the Entity Framework with insight into its latest features and optimizations for responsive data access in your projects About This Book Create Entity data models from your database and use them in your applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO.NET Data Services and how they work with the Entity Framework Who This Book Is For If you are a C# developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations, then this book is for you. Basic knowledge of ADO.NET is assumed. What You Will Learn Explore the features of the ADO.NET Entity Framework Understand the concepts of entities and their relationships Create an Entity Data Model using the ADO.NET Entity Data Model Designer and the EdmGen tool Extend existing Entity Types to create your own Entity Types Write programs against the Entity Data Model to perform CRUD operations Discover ADO.NET Data Services and learn how they can be used with the Entity Framework Familiarize yourself with WCF Data Services (formerly ADO.NET Data Services) Apply Code First, Model First and Database First approaches In Detail The ADO.NET Entity Framework from Microsoft is a new ADO.NET development framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models. This book explores Microsoft's Entity Framework and explains how it can be used to build enterprise level applications. It will also teach you how you can work with RESTful Services and Google's Protocol Buffers with Entity Framework and WCF. You will explore how to use Entity Framework with ASP.NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types, i.e., ASP.NET MVC, WPF and Silverlight. You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support, template-based code generation, tooling consolidation and connection resiliency. By the end of the book, you will be able to successfully extend the new functionalities of Entity framework into your project. Style and approach This book is a step-by-step tutorial providing hands-on code examples with detailed explanations. The book aims to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach.

Apps have taken the world by storm, and now they're taking SharePoint as well. The biggest new thing in SharePoint 2013, apps are the solution to creating custom code that runs on not just your own SharePoint deployment, but also on others' implementations as well. Pro SharePoint 2013 App Development is your must-have guide to developing app solutions that run on the SharePoint 2013 platform. Using step-by-step tutorials, author Steve Wright creates a sample SharePoint app throughout the course of the book, and you can walk with him through the entire lifecycle of a SharePoint app. Get expert guidance and advice on creating an app, provisioning it for use in SharePoint, securing it from unauthorized use and from other applications, integrating your app with SharePoint search and other platform features, and much more. You'll even discover how to present your app to users on mobile devices like iPads, smartphones, and Microsoft Surface tablets. Apps in SharePoint are here to stay. Don't miss out

- pick up a copy of Pro SharePoint 2013 App Development and get started on your own custom apps today. Introduces the architecture for creating and hosting SharePoint apps. Leads the reader through the creation and deployment of a complete solution. Provides an understanding of the security features in the SharePoint app model. Helps the organization leverage internal data securely over the network. Leverages SharePoint search and other services to create rich SharePoint solutions. Introduces the techniques for delivering data on a multitude of web and mobile platforms. What you'll learn Understand the architecture of a SharePoint App. Host SharePoint apps on your site or in the cloud. Create, deploy and manage the lifecycle of your apps. Secure proprietary data while leveraging it in the cloud. Develop modern, sophisticated user experiences. Access data and services from SharePoint and across the web. Leverage SharePoint's extensive search capabilities and other service applications. Use SharePoint as a social computing platform. Present data on various platforms including Windows RT, Windows Phone and mobile web devices. Who this book is for Pro SharePoint 2013 App Development is for developers and IT professionals responsible for delivering solutions on the SharePoint 2013 platform. These solutions may run on-site, in the cloud or in a hybrid deployment across many locations. Pro SharePoint 2013 App Development provides the background and step-by-step introduction needed to create massively scalable SharePoint applications using standard tools like Visual Studio and web standards like HTML and JQuery. Once created, SharePoint apps can be deployed internally or sold through the Microsoft SharePoint Store across the Internet. Table of Contents1. Introduction to SharePoint Apps 2. Creating and Deploying an App 3. Managing the App Lifecycle 4. Creating Client Side Logic using JQuery 5. SharePoint App Security 6. Business Connectivity Services 7. Web Service Access with REST and OData 8. Accessing the SharePoint Environment 9. App Logic Components 10. Developing the User Experience 11. Using SharePoint Search 12. Using SharePoint's Social Features 13. Accessing SharePoint Service Applications 14. Interacting with Other App Environments

Create dynamic business intelligence (BI) solutions for SharePoint faster and with more capabilities than previously possible. With this book, you'll learn the entire process—from high-level concepts to development and deployment—for building data-rich BI applications with Visual Studio LightSwitch, SQL Server 2012, and a host of related Microsoft technologies. You'll learn practical techniques and patterns necessary to use all of these technologies together as you build an example application through the course of the book, step by step. Discover how to solve real problems, using BI solutions that will evolve to meet future needs. Learn the fundamentals of SharePoint, LightSwitch, and SQL Server 2012 Get a solid grounding in BI application basics and database design principles Use LightSwitch to build a help desk app, including data model design and SharePoint data integration Build a tabular cube with Microsoft's Business Intelligence Semantic Model (BISM) Dive into the data visualization stack, including Excel and SQL Server Reporting Services Create reports with Excel Services, Report Builder, and PowerView Use tips and tricks for setting up your BI application development environment

A comprehensive and in-depth guide to writing functional programs using F# About This Book Learn how to manage, run, and automate your servers using Puppet Explore how to use F# to develop large-scale applications quickly and simply, and become more productive in today's age of cloud computing and multi-core programming This easy-to-follow guide is packed with real-world examples that will jump-start you with F# development on the .NET platform Who This Book Is For If you are a C# developer with a basic knowledge of F# and want to explore the functional programming paradigm further to master your F# skills, then this book is for you. What You Will Learn Understand the basics of F# and organize F# source code with Visual Studio Work with F# data structures and create functional data structures in F# interoperate with C# Build and use asynchronous programming patterns with F# Create and use type providers that help perform data analysis from within Visual Studio Develop applications with pure F# code in WPF or ASP.NET MVC Find out how to perform distributed programming with ServiceBus or ZeroMQ Visualize data with charts, and work with Excel and R language Type providers In Detail F# is a multi-paradigm programming language that encompasses object-oriented, imperative, and functional programming language properties. Now adopted in a wide range of application areas and is supported both by industry-leading companies who provide professional tools and by an active open community, F# is rapidly gaining popularity as it emerges in digital music advertising, creating music-focused ads for Spotify, Pandora, Shazam, and anywhere on the web. This book will guide you through the basics and will then help you master F#. The book starts by explaining how to use F# with Visual Studio, file ordering, and the differences between F# and C# in terms of usage. It moves on to explain the functional core of F# such as data types, type declarations, immutability, strong type interference, pattern matching, records, F# data structures, sequence expressions, and lazy evaluation. Next, the book takes you through imperative and asynchronous programming, F# type providers, applications, and testing in F#. Finally, we look into using F# with distributed programming and using F# as a suitable language for data science. In short, this book will help you learn F# for real-world applications and increase your productivity with functional programming. Style and approach This easy-to-follow guide with syntaxes will help you master the concepts of F#. Packed with in-depth examples of real-world uses, this book covers each topic in detail with a reference to C#, so you will understand the difference between the languages.

This book constitutes the refereed conference proceedings of the 12th International Symposium, W2GIS 2013, held in Banff, Canada, in April 2013. The 11 revised full papers and 5 short papers presented were carefully selected from 28 submissions. The program covers a wide range of topics including Spatial Semantics and Databases, Location-based Services and Applications, Trajectory Representation and Sensor Web, Spatial Analysis and Systems and Map Generation and Modeling.

Pro SQL Database for Windows Azure, 2nd Edition shows how to create enterprise-level database deployments without the usual investment in datacenter and other infrastructure. Take advantage instead of Microsoft's worldwide backbone for cloud computing that delivers all the power of SQL Server in the form of the cloud-based SQL Database for Windows Azure. You can create and deploy a database in mere minutes that is accessible worldwide and takes advantage of SQL Database's high-availability features to protect your data while ensuring 99.9% uptime. SQL Azure is ideally suited for startups, who can benefit from instant access to a robust and secure web-accessible database platform for use in rapidly deploying new products to market. SQL Azure is also ideal for small and mid-sized businesses, giving them the same ability to deploy SQL Server as any large enterprise, but without the management overhead. Even large enterprises find SQL Azure useful in creating failover environments, development environments, extra capacity to handle surges in demand, and more. Pro SQL Database for Windows Azure covers the very latest in Microsoft's fast-moving, cloud platform, showing how to program and administer it in a variety of cloud computing scenarios. You'll learn to program SQL Azure from ASP.NET, from WinForms, and from SQL Reporting Services. You'll learn to manage the platform by planning for scalability, troubleshooting performance issues, and implementing strong security. You'll learn the unique aspects of SQL Azure such as sharding and federation support that combine to place SQL Azure a step above and ahead of the competition. Shows how to use SQL Azure from classic Windows applications, ASP.NET and Windows Communication Foundation Covers management, performance, scalability, and troubleshooting Addresses

the all-important issue of securing your data Helps you properly design for high-performance in a cloud environment Helps you adopt the new Federations feature in SQL Azure
- This is the latest practice test to pass the MS-301 Microsoft Deploying SharePoint Server Hybrid Exam. - It contains 118 Questions and Answers. - All the questions are 100% valid and stable. - You can rely on this practice test to pass the exam with a good mark and in the first attempt.

Covers Windows Phone 7.5 In just 24 sessions of one hour or less, you'll learn how to develop mobile applications for Windows Phone 7! Using this book's straightforward, step-by-step approach, you'll learn the fundamentals of Windows Phone 7 app development, how to leverage Silverlight or the XNA Framework, and how to get your apps into the Windows Marketplace. One step at a time, you'll master new features ranging from the new sensors to using launchers and choosers. Each lesson builds on what you've already learned, helping you get the job done fast—and get it done right! Step-by-step instructions carefully walk you through the most common Windows Phone 7 app development tasks. Quizzes and exercises at the end of each chapter help you test your knowledge. By the Way notes present interesting information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Learn how to... Choose an application framework Use the sensors Develop touch-friendly apps Utilize push notifications Consume web data services Integrate with Windows Phone hubs Use the Bing Map control Get better performance out of your apps Work with data Localize your apps Use launchers and choosers Market and sell your apps

Learn how to fuse today's data science tools and techniques with your SAP enterprise resource planning (ERP) system. With this practical guide, SAP veterans Greg Foss and Paul Modderman demonstrate how to use several data analysis tools to solve interesting problems with your SAP data. Data engineers and scientists will explore ways to add SAP data to their analysis processes, while SAP business analysts will learn practical methods for answering questions about the business. By focusing on grounded explanations of both SAP processes and data science tools, this book gives data scientists and business analysts powerful methods for discovering deep data truths. You'll explore: Examples of how data analysis can help you solve several SAP challenges Natural language processing for unlocking the secrets in text Data science techniques for data clustering and segmentation Methods for detecting anomalies in your SAP data Data visualization techniques for making your data come to life

Create real-world enterprise solutions with NAV, Cloud, and the Microsoft stack About This Book Integrate NAV with various offerings of the Microsoft stack to create enterprise-ready and service-oriented solutions Use Power BI and Universal Windows Platform for effective data analysis and real-time tracking with NAV Discover the services offered by Microsoft Azure and implement them in different industries using real-world case scenarios Who This Book Is For This book is for NAV developers and solution architects who need to implement real-world enterprise solutions based on Microsoft Dynamics NAV. Knowledge of the NAV programming language (C/AL) and C# language is recommended. Knowledge of ASP.NET and Visual Studio development would help, but is not necessary. What You Will Learn Configure NAV Web Services and create external applications with Visual Studio, .NET, and .NET Core Solve technical architectural problems by implementing enterprise solutions with NAV Develop applications and solutions with Microsoft Dynamics NAV and the Microsoft technology stack Create a Power BI dashboard for rich reporting and NAV data analysis Find out how to transmit your device location from a UWP application to NAV in order to implement a distributed solution for managing couriers in a sales company Make the most of Microsoft Azure and its services Create enterprise solutions with NAV by using Azure App Service Use Azure Service Bus for managing distributed NAV applications In Detail Implementing Microsoft Dynamics NAV in the real world often requires you to integrate the ERP with external applications or solve complex architectural tasks in order to have a final successful project. This book will show you how to extend a Microsoft Dynamics NAV installation to the enterprise world in a practical way. The book starts with an introduction to Microsoft Dynamics NAV architecture and then moves on to advanced topics related to implementing real-world solutions based on NAV and external applications. You will learn how an enterprise distributed architecture with NAV at the core can be implemented. Through a series of real-world cases on every topic and every industry (sales, retail, manufacturing, distribution, healthcare, and so on), you'll see step by step how to efficiently solve a technical problem. These common problems encountered in a NAV implementation will be solved using the entire technology stack that Microsoft offers. By the end of the book, you will have the knowledge to efficiently solve certain scenarios, you will know which is the best solution architecture to propose to a customer and how to implement it. Style and approach Taking you through a variety of real-world use cases, the book will show you step by step all you need to know to tackle these problems and give you creative ideas to implement in related problems you might come across in the real world.

This book is a tutorial guide that covers each topic in depth with examples. The step-by-step approach will help you better understand each task as you will have to perform them frequently when utilizing the services. If you are a Dynamics AX developer, new or experienced who wants to implement services with Microsoft Dynamics AX 2012, then this book is for you. A basic understanding of MorphX and X++ is assumed, but the step-by-step instructions are easy to follow even for beginners. Some examples use C# and .NET, so experience with Visual Studio is a plus but not a must.

You've worked with ABAP, SAP Fiori, and OData--now see how these technologies and more come together in the ABAP RESTful programming model! Build on your expertise to create cloud-ready applications for SAP S/4HANA and deploy applications to the SAP Fiori launchpad. Manage applications with Git version control, automated testing, and continuous integration. Make the new model work for you! 1) ABAP RESTful programming model 2) End-to-end development 3) SAP S/4HANA 4) SAP Fiori Elements 5) Business objects 6) Deployment 7) Core data services (CDS) 8) OData services 9) Automated testing 10) Continuous integration 11) SAP Cloud Platform a. ABAP RESTful Programming Model Develop web-based SAP HANA-optimized ABAP applications for SAP S/4HANA. Master the new ABAP RESTful programming model, from queries, business objects, and business services, to its relationship to SAP Fiori and SAP Gateway. b. SAP Fiori Elements and Freestyle Applications Get the step-by-step instructions you need to create list reports, overview pages, analytical list pages, and freestyle applications. See how the ABAP RESTful programming model incorporates core data services, business object behaviors, OData, and more. c. Deployment and Operations Once your applications are developed, deploy them to the SAP Fiori launchpad. Implement Git

version control, automated backend and frontend testing, and continuous integration.

You've developed a killer app for one mobile device—now it's time to maximize your intellectual investment and develop for the full spectrum of mobile platforms and devices. With *Cracking iPhone and Android Native Development*, you'll learn how to quickly retool between the iPhone and Android platforms and broaden the interest and audience of your app, without working with burdensome and error-prone compatibility layers and toolkits. *Cracking iPhone and Android Native Development* takes you, the developer, through the same mobile software development project on both platforms, learning the differences between and the relative strengths and weaknesses of each platform as you go. No magic intermediate layers of obfuscation—by the time you get to the end, you'll be an expert at developing for any of the major smartphone platforms using each vendor's preferred toolset and approach. *Cracking iPhone and Android Native Development* covers the iPhone and Android platforms, two of the hottest mobile device platforms on the market today.

Windows Phone 7.5 (code-named Mango) marks a significant upgrade to Microsoft's smartphone products. Packed with sophisticated new features and functionality, the device is a .NET developer's dream, easily programmable using Silverlight, XNA and C#. *Windows Phone Recipes* utilizes a proven problem-solution approach, providing a concise guide to all the phone's features in recipe book format. First, the problem you're facing is identified. Then, a clear explanation of the solution is given, supported by a fully-worked code sample that demonstrates the feature in action. All aspects of development, configuration, testing, and distribution are covered. You'll find recipes that unlock advanced user interface features, deal with data storage, integrate with cloud services, add media and location services, and much more. It's everything you'll need to put a professional polish on your Windows Phone 7.5 applications!

Overwhelmed with the options for building mobile apps with SAP UI5? This guide offers a comprehensive introduction to SAP UI5 mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio. Explore how to build business and data-driven applications using different platforms to deploy hybrid applications to multiple devices. Walk through the different environments that can be used with SAP UI5. Review best practices for leveraging the Model View Controller (MVC). Examine the advantages of development in an Eclipse environment, along with how to leverage SAP Mobile SDK and the SAP Gateway. By using detailed examples, tips, and screenshots, the author brings readers quickly up to speed on the fundamentals of building mobile apps: - Introduction to mobile and SAP UI5 development - Steps for building mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio - How to deploy apps to multiple devices - Advantages and disadvantages of using different environments

The most up-to-date Visual Basic.NET programming textbook—covering both fundamentals and advanced-level programming techniques—complete with examples and solutions Visual Basic.NET (VB.NET) is an object-oriented computer programming language that can be viewed as an evolution of the classic Visual Basic (VB), which is implemented on the .NET Framework. Microsoft currently supplies two major implementations of Visual Basic: Microsoft Visual Studio (which is commercial software) and Microsoft Visual Studio Express (which is free of charge). Forgoing the large amounts of programming codes found in most database programming books, *Practical Database Programming with Visual Basic.NET* shows students and professionals both how to develop professional and practical database programs in a Visual Basic.NET environment by using Visual Studio.NET Data Tools and Wizards related to ADO.NET 4.0, and how to apply codes that are auto-generated by solely using Wizards. The fully updated Second Edition: Covers both fundamentals and advanced database programming techniques Introduces three popular database systems with practical examples including MS Access, SQL Server 2008, and Oracle Features more than fifty sample projects with detailed illustrations and explanations to help students understand key techniques and programming technologies Includes downloadable programming codes and exercise questions This book provides undergraduate and graduate students as well as database programmers and software engineers with the necessary tools to handle the database programming issues in the Visual Studio.NET environment.

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