
Msdn Architecture Guide

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.NET 4 for Enterprise Architects and Developers

Just Enough Software Architecture

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Enterprise Cloud epUB _1

Microsoft Manual of Style

SPA Design and Architecture

Microsoft Azure Essentials - Fundamentals of Azure

A Guide for the Reformed Mainframe Programmer

MVVM Survival Guide for Enterprise Architectures in Silverlight and WPF

Strategies and Technologies for Developing Online Computer Labs for Technology-Based Courses

MCSO Training Kit : for Exam 70-100

The Windows 2000 Device Driver Book

Pattern Enterpr Applica Arch

4th International Symposium, BMSD 2014, Luxembourg, Luxembourg, June 24-26, 2014, Revised Selected Papers

Understanding single-page web applications

JAMARI LEONIDAS

Cloud Architecture Patterns Artech
House

bull; bull; Extends the proven concept of design patterns to the relatively new field of .NET design and development bull; Part of the acclaimed Addison-Wesley Software Patterns Series, with John Vlissides as series editor bull; Includes helpful primers on XML and web services as well as thorough coverage of debugging, exceptions, error handling, and architecture

A Risk-Driven Approach Packt Publishing Ltd

This is a practical guide for software developers, and different than other software architecture books. Here's why: It teaches risk-driven architecting. There is no need for meticulous designs when risks are small, nor any excuse for sloppy designs when risks threaten your success. This book describes a way to do just enough architecture. It avoids the one-size-fits-all process tar pit with advice on how to tune your design effort based on the risks you face. It democratizes architecture. This book seeks to make architecture relevant to all software developers. Developers need to understand how to use constraints as guiderails that ensure desired outcomes, and how seemingly small changes can affect a system's properties. It cultivates declarative knowledge. There is a difference between being able to hit a ball and knowing why you are able to hit it, what psychologists refer to as procedural knowledge versus declarative knowledge. This book will make you more aware of what you have been doing and provide names for the

concepts. It emphasizes the engineering. This book focuses on the technical parts of software development and what developers do to ensure the system works not job titles or processes. It shows you how to build models and analyze architectures so that you can make principled design tradeoffs. It describes the techniques software designers use to reason about medium to large sized problems and points out where you can learn specialized techniques in more detail. It provides practical advice. Software design decisions influence the architecture and vice versa. The approach in this book embraces drill-down/pop-up behavior by describing models that have various levels of abstraction, from architecture to data structure design.

Microsoft Application Architecture Guide "O'Reilly Media, Inc."

Summary SPA Design and Architecture teaches you the design and development skills you need to create SPAs. Includes an overview of MV* frameworks, unit testing, routing, layout management, data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The next step in the development of web-based software, single-page web applications deliver the sleekness and fluidity of a native desktop application in a browser. If you're ready to make the leap from traditional web applications to SPAs, but don't know where to begin, this book will get you going. About the Book SPA Design and Architecture teaches you the design and development skills you need to create SPAs. You'll start with an

introduction to the SPA model and see how it builds on the standard approach using linked pages. The author guides you through the practical issues of building an SPA, including an overview of MV* frameworks, unit testing, routing, layout management, data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice.

What's Inside Working with modular JavaScript Understanding MV* frameworks Layout management Client-side task automation Testing SPAs About the Reader This book assumes you are a web developer and know JavaScript basics. About the Author Emmitt Scott is a senior software engineer and architect with experience building large-scale, web-based applications. Table of Contents PART 1 THE BASICS What is a single-page application? The role of MV* frameworks Modular JavaScript PART 2 CORE CONCEPTS Navigating the single page View composition and layout Inter-module interaction Communicating with the server Unit testing Client-side task automation APPENDIXES Employee directory example walk-through Review of the XMLHttpRequest API Chapter 7 server-side setup and summary Installing Node.js and Gulp.js

Improving .NET Application Performance and Scalability Addison-Wesley Professional

"I am sure practitioners, auditors, and regulators will find the content of Mr Shaik's book of value. The accessible style is also welcome. All in all, a worthwhile addition to the finance literature and one that hopefully helps plug the knowledge gap in this field." — from the foreword by Professor Moorad Choudhry, Brunel University Managing Derivatives Contracts is a

comprehensive and practical treatment of the end-to-end management of the derivatives contract operations, systems, and platforms that support the trading and business of derivative products. This book focuses on the processes and systems in the derivatives contract life cycle that underlie and implement the activities of derivatives trading, pricing, and risk management. Khader Shaik, a Wall Street derivatives platform implementation expert, lays out all the fundamentals needed to understand, conduct, and manage derivatives operations. In particular, he provides both introductory and in-depth treatment of the following topics: derivative product classes; the market structure, mechanics, and players of derivatives markets; types of derivative contracts and life cycle management; derivatives technology platforms, software systems, and protocols; derivatives contracts management; and the new regulatory landscape as shaped by reforms such as Dodd-Frank Title VII and EMIR. Managing Derivatives Contracts focuses on the operational processes and market environment of the derivatives life cycle; it does not address the mathematics or finance of derivatives trading, which are abundantly treated in the standard literature. Managing Derivatives Contracts is divided into four parts. The first part provides a structural overview of the derivatives markets and product classes. The second part examines the roles of derivatives market players, the organization of buy-side and sell-side firms, critical data elements, and the Dodd-Frank reforms. Within the framework of total market flow and straight-through processing as constrained by regulatory compliance, the core of the book details the contract

life cycle from origination to expiration for each of the major derivatives product classes, including listed futures and options, cleared and bilateral OTC swaps, and credit derivatives. The final part of the book explores the underlying information technology platform, software systems, and protocols that drive the end-to-end business of derivatives. In particular, it supplies actionable guidelines on how to build a platform using vendor products, in-house development, or a hybrid approach.

Azure for Architects Microsoft Press
Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

Fowler Apress

Get the definitive guide on designing applications on the Microsoft application platform—straight from the Microsoft patterns & practices team. Learn how to choose the most appropriate architecture and the best implementation technologies that the Microsoft application platform offers applications developers. Get critical design recommendations and guidelines organized by application type—from

Web, mobile, and rich Internet applications to Office Business Applications. You'll also get links to additional technical resources that can help with your application development.

The Definitive Guide to the Microsoft Enterprise Library IGI Global

Build and design multiple types of applications that are cross-language, platform, and cost-effective by understanding core Azure principles and foundational concepts Key Features Get familiar with the different design patterns available in Microsoft Azure Develop Azure cloud architecture and a pipeline management system Get to know the security best practices for your Azure deployment Book Description Thanks to its support for high availability, scalability, security, performance, and disaster recovery, Azure has been widely adopted to create and deploy different types of application with ease. Updated for the latest developments, this third edition of Azure for Architects helps you get to grips with the core concepts of designing serverless architecture, including containers, Kubernetes deployments, and big data solutions. You'll learn how to architect solutions such as serverless functions, you'll discover deployment patterns for containers and Kubernetes, and you'll explore large-scale big data processing using Spark and Databricks. As you advance, you'll implement DevOps using Azure DevOps, work with intelligent solutions using Azure Cognitive Services, and integrate security, high availability, and scalability into each solution. Finally, you'll delve into Azure security concepts such as OAuth, OpenConnect, and managed identities. By the end of this book, you'll have gained the confidence to design

intelligent Azure solutions based on containers and serverless functions. What you will learn Understand the components of the Azure cloud platform Use cloud design patterns Use enterprise security guidelines for your Azure deployment Design and implement serverless and integration solutions Build efficient data solutions on Azure Understand container services on Azure Who this book is for If you are a cloud architect, DevOps engineer, or a developer looking to learn about the key architectural aspects of the Azure cloud platform, this book is for you. A basic understanding of the Azure cloud platform will help you grasp the concepts covered in this book more effectively.

A Guide for Programmers CRC Press Practical Software Architecture Solutions from the Legendary Robert C. Martin (“Uncle Bob”) By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books *Clean Code* and *The Clean Coder*, legendary software craftsman Robert C. Martin (“Uncle Bob”) reveals those rules and helps you apply them. Martin’s *Clean Architecture* doesn’t merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you’ve come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you’ll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design

principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what’s critically important and what’s merely a “detail” Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures *Clean Architecture* is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else’s designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

Azure for Architects Simon and Schuster Architect and design highly scalable, robust, clean and highly performant applications in .NET Core About This Book Incorporate architectural soft-skills such as DevOps and Agile methodologies to enhance program-level objectives Gain knowledge of architectural approaches on the likes of SOA architecture and microservices to provide traceability and rationale for architectural decisions Explore a variety of practical use cases and code examples to implement the tools and techniques described in the book Who This Book Is For This book is for experienced .NET developers who are aspiring to become architects of enterprise-grade applications, as well as software architects who would like to leverage .NET to create effective blueprints of applications. What You Will Learn Grasp the important aspects and

best practices of application lifecycle management Leverage the popular ALM tools, application insights, and their usage to monitor performance, testability, and optimization tools in an enterprise Explore various authentication models such as social media-based authentication, 2FA and OpenID Connect, learn authorization techniques Explore Azure with various solution approaches for Microservices and Serverless architecture along with Docker containers Gain knowledge about the recent market trends and practices and how they can be achieved with .NET Core and Microsoft tools and technologies In Detail If you want to design and develop enterprise applications using .NET Core as the development framework and learn about industry-wide best practices and guidelines, then this book is for you. The book starts with a brief introduction to enterprise architecture, which will help you to understand what enterprise architecture is and what the key components are. It will then teach you about the types of patterns and the principles of software development, and explain the various aspects of distributed computing to keep your applications effective and scalable. These chapters act as a catalyst to start the practical implementation, and design and develop applications using different architectural approaches, such as layered architecture, service oriented architecture, microservices and cloud-specific solutions. Gradually, you will learn about the different approaches and models of the Security framework and explore various authentication models and authorization techniques, such as social media-based authentication and safe storage using app secrets. By the end of the book, you will get to know the

concepts and usage of the emerging fields, such as DevOps, BigData, architectural practices, and Artificial Intelligence. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to show you the best tools and techniques required to become a successful software architect.

[How to Become an It Architect](#) John Wiley & Sons

Enterprise Architecture (EA) is typically an aggregate of the business, application, data, and infrastructure architectures of any forward-looking enterprise. Due to constant changes and rising complexities in the business and technology landscapes, producing sophisticated architectures is on the rise. Architectural patterns are gaining a lot ... [Implementing cloud design, DevOps, IoT, and serverless solutions on your public cloud](#) Simon and Schuster

You can have the best coders in the world working in your teams, but if your project management isn't up to scratch, your project is almost certain to be delayed, to come in over budget, and in some cases to fail entirely. By taking precise control of your application development process, you can make changes, both large and small, throughout your project's life cycle that will lead to better-quality finished products that are consistently delivered on time and within budget. Application lifecycle management (ALM) is an area of rapidly growing interest within the development community. Because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines, its effects on your project can be wide ranging and pronounced. It is a project management tool that has practical

implications for the whole team—from architects to designers, from developers to testers. *Pro Application Lifecycle Management with Visual Studio 2012* focuses on the most powerful ALM tool available for the Microsoft .NET Framework: Visual Studio Team Foundation Server. It demonstrates the key concepts and techniques of ALM at first with a guide to the overall methodology, and then delves into architecture and testing—illustrating all of the concepts, tips and tricks using the tools TFS provides. The book serves as a complete guide to the ALM style—with no fluff and many relevant code samples and examples. After reading the book, you will understand how TFS can be used to generate continuous meaningful reporting on your project's health for the decision makers on your team as well as for your project's sponsors.

Managing Derivatives Contracts Pearson Education

An authoritative guide to Windows NT driver development, now completely revised and updated. The CD-ROM includes all source code, plus Microsoft hardware standards documents, demo software, and more.

NET Patterns Springer

Describes ways to incorporate domain modeling into software development.

Software Engineering Research, Management and Applications 2011

Packt Publishing Ltd

Integrate proven performance and scalability techniques throughout the .NET application life cycle—and gain an edge in building better-performing products. This guide presents a robust framework organized by task and role, helping developers, architects, testers, and administrators prioritize and implement the best options at the appropriate time. It offers focused, end-

to-end guidance—including processes for modeling performance and techniques for measuring, testing, and fine-tuning your applications. You'll also get tips direct from Microsoft development teams for improving the performance and scalability of managed code; Microsoft ASP.NET, ADO.NET, and SQL Server; Web services; .NET Remoting; XML; and more. The book features a "How To" section that details the steps for a number of specific performance-related tasks, such as adding performance counters and using the common language runtime (CLR) profiler. PATTERNS & PRACTICES guides are reviewed and approved by Microsoft engineering teams, consultants, partners, and customers—delivering accurate, real-world information that's been technically validated and tested.

A Guide to Derivatives Market Structure, Contract Life Cycle, Operations, and Systems Addison-Wesley Professional

This book introduces one of the most exciting and popular .NET-oriented initiatives; the Enterprise Application Library, which offers nine classes of reusable code used to solve a variety of common problem spaces. It is the first book to introduce all ten of the enterprise application blocks, which have been recently updated for .NET 2.0. It covers a number of topics, including configuration, data access, exception management, caching, application updates, UI separation, asynchronous invocation, logging, security, and XML-based information aggregation. With this book readers will be able to build .NET applications faster and more efficiently.

A Craftsman's Guide to Software Structure and Design Microsoft Press

"A comprehensive overview of the challenges teams face when moving to microservices, with industry-tested

solutions to these problems." - Tim Moore, *Lightbend 44 reusable patterns to develop and deploy reliable production-quality microservices-based applications*, with worked examples in Java Key Features 44 design patterns for building and deploying microservices applications Drawing on decades of unique experience from author and microservice architecture pioneer Chris Richardson A pragmatic approach to the benefits and the drawbacks of microservices architecture Solve service decomposition, transaction management, and inter-service communication Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book *Microservices Patterns* teaches you 44 reusable patterns to reliably develop and deploy production-quality microservices-based applications. This invaluable set of design patterns builds on decades of distributed system experience, adding new patterns for composing services into systems that scale and perform under real-world conditions. More than just a patterns catalog, this practical guide with worked examples offers industry-tested advice to help you design, implement, test, and deploy your microservices-based application. What You Will Learn How (and why!) to use microservices architecture Service decomposition strategies Transaction management and querying patterns Effective testing strategies Deployment patterns This Book Is Written For Written for enterprise developers familiar with standard enterprise application architecture. Examples are in Java. About The Author Chris Richardson is a Java Champion, a JavaOne rock star, author of Manning's *POJOs in Action*, and creator of the original

CloudFoundry.com. Table of Contents Escaping monolithic hell Decomposition strategies Interprocess communication in a microservice architecture Managing transactions with sagas Designing business logic in a microservice architecture Developing business logic with event sourcing Implementing queries in a microservice architecture External API patterns Testing microservices: part 1 Testing microservices: part 2 Developing production-ready services Deploying microservices Refactoring to microservices

Architecture, Design, and Process

Packt Publishing Ltd

This is a comprehensive .NET-retraining guide written for the COBOL/CICS mainframe programmer from the perspective of a former COBOL/CICS programmer.

Azure for Architects Van Haren

Extend your existing technology investments--and increase your organization's agility--by integrating disparate applications and data into solutions that work together to meet ever-evolving business needs. This guide defines application integration and describes the requirements, capabilities, and best practices to help you achieve success. It is written for technical decision makers and architects looking for practical recommendations on how to orchestrate an application integration project that puts heterogeneous and legacy applications to work--helping to maximize ROI and organizational responsiveness. *PATTERNS & PRACTICES* guides are reviewed and approved by Microsoft engineering teams, consultants, partners, and customers--delivering accurate, real-world information that's been technically validated and tested.

Pro Power BI Architecture Apress

This book contains the extended and revised versions of selected papers from the 4th International Symposium on Business Modeling and Software Design, BMSD 2014, held in Luxembourg, Luxembourg, in June 2014. The symposium was organized and sponsored by the Interdisciplinary Institute for Collaboration and Research on Enterprise Systems and Technology (IICREST), in collaboration with the Public Research Centre Henri Tudor (TUDOR). Cooperating organizations were the Dutch Research School for Information and Knowledge Systems (SIKS), Aristotle University of Thessaloniki (AUTH), the UTwente Center for Telematics and Information Technology (CTIT), and AMAKOTA Ltd. The 37 papers presented at BMSD 2014 were selected from 52 submissions. The seven papers published in this book were carefully reviewed, selected, revised, and extended from the presented papers. The selection considers a large number of BMSD-relevant research topics: from modeling and simulation-related subjects, such as declarative business

rules, business (process) modeling, business process simulation, and information systems modeling, through architectures-related areas, such as impact analysis with regard to enterprise architectures and architectural principles for service cloud applications, to topics touching upon quality-of-service-aware service systems.

Tackling Complexity in the Heart of Software Microsoft Press

How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.