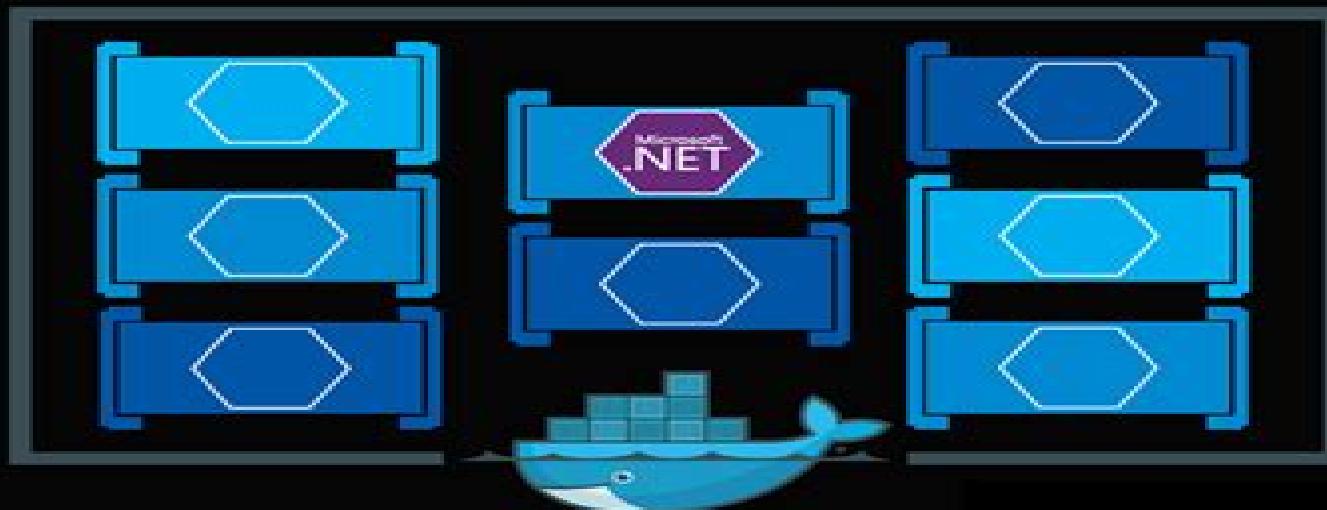


.NET Microservices: Architecture for Containerized .NET Applications



**Cesar de la Torre
Bill Wagner
Mike Rousos**

Microsoft Corporation

Microsoft Net Application Architecture Guide

**Scott McLean,James Naftel,Kim
Williams**

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NET Application Architecture Guide ,2009 **Application Architecture for .NET** Microsoft Corporation,2002 Get expert architectural and design level guidance for building distributed solutions with the Microsoft .NET Framework learning how to synthesize your knowledge of application development servers and infrastructure and business requirements This guide assumes you are familiar with .NET component development and the basic principles of a layered distributed application design It examines architectural issues and solution design for a range of project stakeholders whether you build and design applications and services recommend appropriate technologies and products for applications and services make design decisions to meet functional and nonfunctional requirements or choose appropriate communications mechanisms for applications and services providing straightforward guidance recommendations and best practices gleaned from real world solution development All 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

Building Secure Microsoft ASP.NET Applications Microsoft Corporation,2003 Building secure distributed Web applications can be challenging It usually involves integrating several different technologies and products yet your complete application will only be as secure as its weakest link This guide presents a practical scenario driven approach to designing and building security enhanced ASP.NET applications for Microsoft Windows 2000 and version 1.1 of the Microsoft .NET Framework It focuses on the key elements of authentication authorization and secure communication within and across the tiers of distributed .NET Web applications This guide focuses on Authent

Expert One-on-OneTM Visual Basic® 2005 Database Programming Roger Jennings,2006-02-13 Are you hesitant to migrate to Visual Studio 2005 Maybe you re ready to upgrade to Visual Basic 2005 but feel a bit overwhelmed by ADO.NET 2.0 and the Visual Data Tools of this new release In this hands on guide I ll share with you the best practices the latest features and advanced data management techniques with Visual Basic 2005 and SQL Server or SQL Server Express 2005 Plus I ll incorporate simple to moderately complex project examples that feature real world database front end applications with Windows and Web forms First I ll begin with ADO.NET 2.0 basics then I ll move on to designing and programming smart clients with typed DataSets as their data sources Gradually I ll walk you through using DataSource GridView and DetailsView Web controls Finally I ll demonstrate how to take advantage of the new T-SQL extensions in process Web services and notifications What you will learn from this book How to build usable Windows and Web forms from a sample database in less than five minutes without writing a line of code Effective writing of data validation code for bound text boxes and DataGridViews Ways to apply advanced ASP.NET 2.0 data techniques The process of creating and deploying VB 2005 SQL CLR projects Who this book is for This book is for experienced VB programmers who are upgrading from VB6 or VS 2002 2003 to VB 2005 Basic familiarity with the VS 2005 or VB Express 2005 environment is helpful but not assumed No prior VB6 VBA or VBScript experience is

necessary Wrox Expert One On One books present the wisdom accumulated by an experienced author who is recognized as an expert by the programming community These experts challenge professional developers to examine their current practices in pursuit of better results **Distributed Simulation** Okan Topçu,Umut Durak, Halit Oğuztüzün, Levent Yilmaz, 2016-01-27

This unique text reference provides a comprehensive review of distributed simulation DS from the perspective of Model Driven Engineering MDE illustrating how MDE affects the overall lifecycle of the simulation development process Numerous practical case studies are included to demonstrate the utility and applicability of the methodology many of which are developed from tools available to download from the public domain Topics and features Provides a thorough introduction to the fundamental concepts principles and processes of modeling and simulation MDE and high level architecture Describes a road map for building a DS system in accordance with the MDE perspective and a technical framework for the development of conceptual models Presents a focus on federate simulation environment architectures detailing a practical approach to the design of federations i e simulation member design Discusses the main activities related to scenario management in DS and explores the process of MDE based implementation integration and testing Reviews approaches to simulation evolution and modernization including architecture driven modernization for simulation modernization Examines the potential synergies between the agent DS and MDE methodologies suggesting avenues for future research at the intersection of these three fields Distributed Simulation A Model Driven Engineering Approach is an important resource for all researchers and practitioners involved in modeling and simulation and software engineering who may be interested in adopting MDE principles when developing complex DS systems *Java EE and .NET*

Interoperability Marina Fisher, Sonu Sharma, Ray Lai, Laurence Moroney, 2006-04-21 Java EE and NET Interoperability addresses issues encountered during the integration process such as a diverse technology set incompatible APIs and disparate environment maintenance The experienced authors outline strategies approaches and best practices including messaging Web services and integration related frameworks and patterns The book also introduces readers to Service Oriented Architecture SOA the building block for scalable and reliable enterprise integration solutions This indispensable book provides the Java EE and NET developer community with multiple strategies to integrate between Java EE and NET platforms that save developers time and effort Applying proven interoperability solutions significantly reduces the application development cycle Coverage includes Effective Java EE NET integration strategies and best practices Detailed enterprise coverage as well as standalone Java EE component integration with NET SOA as a building block for Java EE NET interoperability Interoperability security issues and risk mitigation Managing reliability availability and scalability for Web services built on Java EE and NET The latest interoperability standards and specifications including Web SSO MEX and WS Management Current interoperability technologies such as Windows Communication Foundation WSE 3 0 JAX WS and Enterprise Service Bus Integrated Approach to Web Performance Testing: A Practitioner's Guide Subraya,

B.M.,2006-01-31 This book provides an integrated approach and guidelines to performance testing of Web based systems Provided by publisher Guidelines for Application Integration Microsoft Corporation,2003 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 *Deploying and Managing Microsoft.NET Web Farms* Barry Bloom,2001 Learn frameworks and technologies used to build scale and fine tune highly available e business applications

Integration Patterns Microsoft Corporation,2004 Contains a catalog of 18 integration patterns including implementations that use BizTalk Server 2004 Host Integration Server 2004 ASP.NET Visual Studio.NET Visio 2003 and the .Net Framework Preface **InfoWorld**,2002-05-13 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects **Enterprise Application Architecture with .NET Core** Ganesan Senthilvel,Ovais Mehboob Ahmed Khan,Habib Ahmed Qureshi,2017-04-25 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 *Microsoft® Application Architecture Guide, 2nd Edition* Microsoft Team,2009 The definitive guide from the Microsoft patterns practices team on designing applications for the Microsoft application platform **MCAD/MCSD Training Guide (70-316)** Amit Kalani,2002 This exam counts as a core credit toward the new MCAD Microsoft Certified Application Developer certification as well as a core credit toward the existing MCSD certification This book is their one stop shop because of its teaching methodology the accompanying ExamGear testing software and superior Web site support PC Magazine Guide to Connectivity Frank J. Derfler,1992 This supercharged second edition of the bestselling connectivity bible includes PC Magazine's most up to date product information plus a special section on modern communications This guide includes two completely updated disks that contain a full featured e mail program performance testing utilities and many other applications

Microsoft .NET Remoting Scott McLean,James Naftel,Kim Williams,2003 This title shows developers how to build Internet based distributed applications using Microsoft .NET Remoting which enables powerful remote interaction among objects A fundamental understanding of .NET Remoting is crucial as developers shift to developing distributed Internet based applications Until recently DCOM was the preferred method for developing distributed applications on Microsoft platforms But as this book demonstrates the .NET Remoting architecture is much easier to use and extend than DCOM The book covers all aspects of .NET Remoting including in depth coverage of the .NET Remoting architecture plus concrete examples best practices and performance tips to show how to extend and customize the framework Provides developers with deep design and implementation guidance to help them build better distributed applications on the Microsoft .NET Framework One third of the book introduces readers to the basics of using .NET Remoting to develop distributed application Two thirds of the book covers advanced features of .NET Remoting plus details on how to extend and customize the framework **Code**

Generation in Action Jack Herrington,2003 Covering technique and implementation for building code for complex applications frameworks this book demonstrates how to build high quality output that is consistent and maintainable Lessons on abstracting the design of the code so that multiple outputs can be created from a single abstract model of the application functionality are provided Techniques that range from using simple code processors to handle common coding problems to

creating more elaborate and complex generators that maintain entire application tiers are covered Topics such as building database access user interface remote procedure test cases and business logic code are also addressed as is code for other system functions Although code generation is an engineering technique it also has an impact on engineering teams and management an aspect of code generation that is covered in depth in this resource *MCSD Analyzing Requirements and Defining .NET Solution Architectures Study Guide* Scott Duffy,David Waddleton,2003 **MSDN Magazine** ,2009-07

Guide to connectivity Frank J. Derfler (jr.),1991

Unveiling the Magic of Words: A Report on "**Microsoft Net Application Architecture Guide**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Microsoft Net Application Architecture Guide**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound affect on the souls of its readers.

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