

## Microsoft Application Architecture Guide 2013

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Microsoft Application Architecture Guide 2013

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.

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Microsoft® Application Architecture Guide by Microsoft ...

How this guide is structured. The Azure Application Architecture Guide is organized as a series of steps, from the architecture and design to implementation. For each step, there is supporting guidance that will help you with the design of your application architecture. Architecture styles. The first decision point is the most fundamental.

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Azure Application Architecture Guide - Azure Architecture ...

The physical architecture, which consists of one or more servers and the network infrastructure, enables you to implement the logical architecture for a SharePoint Server 2013 solution. The physical architecture is typically described in two ways: by its size and by its topology.

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Overview of SharePoint 2013 ... - docs.microsoft.com

The purpose of the Application Architecture Guide 2.0 is to improve your effectiveness when building applications on the Microsoft platform. The primary audience for this guide is solution architects and development leads. The guide provides design-level guidance for the architecture and design of applications built on the Microsoft .NET platform.

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Application Architecture Guide 2 - Sharif

A thin guide that frames out the application architecture space and maps relevant principles, patterns, and practices for application types, layers, quality attributes and technologies. KB of App Arch Nuggets. A thick, browsable knowledge base (KB) of guidelines, how tos, checklists, patterns, videos ... etc. Successful Customers.

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Application Architecture Guide 2.0 Project Overview

Whether you are an architect, developer, product manager, project manager, analyst, Microsoft Application Architecture Guide (Patterns & Practices) is a great desk reference. Please note that this reference is not an end-all-be-all for programming, but rather a 'guide' to aid in planning and designing any project (regardless of size and scope).

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Buy Microsoft Application Architecture Guide 2e (Patterns ...

Microservices architecture e-book This guide is an introduction to developing microservices-based applications and managing them using containers. It discusses architectural design and implementation approaches using .NET Core and Docker containers.

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.NET & Azure cloud application architecture guidance

ASP.NET Core Application Architecture. ASP.NET. ASP.NET allows you to build high-performance, cross-platform web applications. Patterns like MVC and built-in support for Dependency Injection allow you to build applications that are easier to test and maintain. ... In this short guide, explore Microsoft Azure services for a variety of .NET ...

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Free e-books and practical advice for developing for web, desktop, mobile, and microservices with Docker. Learn how to migrate existing .NET apps to the cloud.

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.NET Application Architecture Guides - dotnet.microsoft.com

Microservices architecture e-book This guide is an introduction to developing microservices-based applications and managing them using containers. It discusses architectural design and implementation approaches using .NET Core and Docker containers.

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.NET microservices application architecture guidance

The guide includes steps for: Choosing the right cloud application architecture style for your app or solution. Selecting appropriate compute and data store technologies. Incorporating 10 design principles to build a scalable, resilient and manageable application.

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Cloud Application Architecture Guide E-Book | Microsoft Azure

Choosing the right cloud application architecture style for your app or solution. Selecting appropriate compute and data store technologies. Incorporating 10 design principles to build a scalable, resilient, and manageable application. Following the five pillars of software quality to ensure your cloud app is successful.

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## Cloud Application Architecture Guide E-Book | Microsoft Azure

This guide is intended to provide a starting point for architects and application developers who are designing applications for the cloud. It guides the reader to choose an architectural style, then select appropriate technologies and apply relevant design patterns and proven practices.

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## Azure Application Architecture Guide | Azure blog and ...

An N-tier architecture divides an application into logical layers and physical tiers. Layers are a way to separate responsibilities and manage dependencies. Each layer has a specific responsibility. A higher layer can use services in a lower layer, but not the other way around.

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## N-tier architecture style - Azure Application Architecture ...

In this article. An architecture style is a family of architectures that share certain characteristics. For example, N-tier is a common architecture style. More recently, microservice architectures have started to gain favor. Architecture styles don't require the use of particular technologies, but some technologies are well-suited for certain architectures.

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## Architecture styles - Azure Application Architecture Guide ...

All successful applications change over time, whether to fix bugs, add new features, bring in new technologies, or make existing systems more scalable and resilient. If all the parts of an application are tightly coupled, it becomes very hard to introduce changes into the system.

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## Design for change - Azure Application Architecture Guide ...

Application Architecture for .NET book. Read reviews from world ' s largest community for readers. ... 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 ...

Get the definitive guide on designing applications on the Microsoft application platform â € ” 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 also get links to additional technical resources that can help with your application development.

This is your most concise, practical reference to deploying, configuring, and running SharePoint 2013. Perfect for admins at all levels, it covers both technical topics and business solutions. SharePoint MVP Ben Curry focuses on the crucial step-by-step information for performing day-to-day tasks quickly, reliably, and well. No obscure settings, abstract theory, or hype...just help you can really trust—and really use! Install SharePoint Server 2013 Configure farms and databases Create and extend web applications Set up and scale service applications Deploy and manage sites/collections Implement BI solutions Integrate Excel Services and PowerPivot Configure enterprise content types and metadata Deploy Enterprise Search Manage documents and web content Brand your site Deliver social tools, including microblogging Back up and restore

Covers SharePoint 2013, Office 365 's SharePoint Online, and Other Office 365 Components In SharePoint 2013 Field Guide, top consultant Errin O ' Connor and the team from EPC Group bring together best practices and proven strategies drawn from hundreds of successful SharePoint and Office 365 engagements. Reflecting this unsurpassed experience, they guide you through deployments of every type, including the latest considerations around private, public, and hybrid cloud implementations, from ECM to business intelligence (BI), as well as custom development and identity management. O ' Connor reveals how world-class consultants approach, plan, implement, and deploy SharePoint 2013 and Office 365 's SharePoint Online to maximize both short- and long-term value. He covers every phase and element of the process, including initial “ whiteboarding ” ; consideration around the existing infrastructure; IT roadmaps and the information architecture (IA); and planning for security and compliance in the new IT landscape of the hybrid cloud. SharePoint 2013 Field Guide will be invaluable for implementation team members ranging from solution architects to support professionals, CIOs to end-users. It ' s like having a team of senior-level SharePoint and Office 365 hybrid architectureconsultants by your side, helping you optimize your success from start to finish! Detailed Information on How to... Develop a 24-36 month roadmap reflecting initial requirements, longterm strategies, and key unknowns for organizations from 100 users to 100,000 users Establish governance that reduces risk and increases value, covering the system as well as information architecture components, security, compliance, OneDrive, SharePoint 2013, Office 365, SharePoint Online, Microsoft Azure, Amazon Web Services, and identity management Address unique considerations of large, global, and/or multilingual enterprises Plan for the hybrid cloud (private, public, hybrid, SaaS, PaaS, IaaS) Integrate SharePoint with external data sources: from Oracle and SQL Server to HR, ERP, or document management for business intelligence initiatives Optimize performance across multiple data centers or locations including US and EU compliance and regulatory considerations (PHI, PII, HIPAA, Safe Harbor, etc.) Plan for disaster recovery, business continuity, data replication, and archiving Enforce security via identity management and authentication Safely support mobile devices and apps, including BYOD Implement true records management (ECM/RM) to support legal/compliance

requirements Efficiently build custom applications, workflows, apps and web parts Leverage Microsoft Azure or Amazon Web Services (AWS)

Do you need to learn about cloud computing architecture with Microsoft's Azure quickly? Read this book! It gives you just enough info on the big picture and is filled with key terminology so that you can join the discussion on cloud architecture.

Cloud applications have a unique set of characteristics. They run on commodity hardware, provide services to untrusted users, and deal with unpredictable workloads. These factors impose a range of problems that you, as a designer or developer, need to resolve. Your applications must be resilient so that they can recover from failures, secure to protect services from malicious attacks, and elastic in order to respond to an ever changing workload. This guide demonstrates design patterns that can help you to solve the problems you might encounter in many different areas of cloud application development. Each pattern discusses design considerations, and explains how you can implement it using the features of Windows Azure. The patterns are grouped into categories: availability, data management, design and implementation, messaging, performance and scalability, resilience, management and monitoring, and security. You will also see more general guidance related to these areas of concern. It explains key concepts such as data consistency and asynchronous messaging. In addition, there is useful guidance and explanation of the key considerations for designing features such as data partitioning, telemetry, and hosting in multiple datacenters. These patterns and guidance can help you to improve the quality of applications and services you create, and make the development process more efficient. Enjoy!

Get the information you need to make good SharePoint design decisions Determine the best design for your SharePoint implementation by gaining a deeper understanding of how the platform works. Written by a team of SharePoint experts, this practical guide introduces the Microsoft SharePoint 2013 architecture, and walks you through design considerations for planning and building a custom SharePoint solution. It ' s ideal for IT professionals, whether or not you have experience with previous versions of SharePoint. Discover how to: Dive deeper into SharePoint 2013 architecture components Gather requirements for a solution that fits your needs Upgrade from Microsoft SharePoint 2010 to 2013 Design service applications for performance and redundancy Provide the right storage plan for a SharePoint farm Map authentication and authorization requirements to your solution Take steps necessary to design a secure implementation Plan your business continuity management strategy Validate your SharePoint architecture to ensure success

The style and approach of the book is an easytoread SharePoint admin guide. This is not a stepbystep instruction book, but rather a guide on how to implement and execute a disaster recovery plan to your SharePoint environment. This book is great for both SharePoint and SQL administrators new to the SharePoint 2013 architecture, and who are looking to get a good

grounding in how to use implement a solid disaster recoveryrecovery plan. It's assumed that you have some experience in SharePoint and Windows Server and, as well be familiar with SQL.

Over the past 20 years, software architectures have significantly contributed to the development of complex and distributed systems. Nowadays, it is recognized that one of the critical problems in the design and development of any complex software system is its architecture, i.e. the organization of its architectural elements. Software Architecture presents the software architecture paradigms based on objects, components, services and models, as well as the various architectural techniques and methods, the analysis of architectural qualities, models of representation of architectural templates and styles, their formalization, validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled.

Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building

## Acces PDF Microsoft Application Architecture Guide 2013

high performance web applications using ASP.NET Core 2.0 and MVC

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