

Unlock the Power of Azure Serverless Computing: A Comprehensive Guide



Azure Serverless Computing Cookbook: Build and monitor Azure applications hosted on serverless architecture using Azure functions, 3rd Edition

by Praveen Kumar Sreeram

★★★★☆ 4 out of 5

Language : English
File size : 46198 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 458 pages



In today's fast-paced digital landscape, businesses demand agile, cost-effective, and scalable solutions. Azure Serverless Computing emerges as a game-changer, offering a revolutionary approach to application development and deployment. This comprehensive cookbook empowers you with the knowledge and practical techniques to harness the full potential of serverless computing in Azure.

Chapter 1: Understanding Azure Serverless Computing

Embark on a journey to understand the core concepts of serverless computing. Discover the benefits, architecture, and key components that underpin this transformative technology. Learn how Azure Serverless

Computing fits into the broader cloud ecosystem and empowers developers to create innovative applications.

Chapter 2: Azure Functions: Building Event-Driven Applications

Delve into the realm of Azure Functions, the cornerstone of serverless computing in Azure. Explore the different function types, triggers, and bindings. Create event-driven applications that respond to various events, seamlessly integrating with other Azure services and third-party APIs.

Chapter 3: Azure Cosmos DB: Managing NoSQL Data at Scale

Unleash the power of Azure Cosmos DB, a globally distributed, multi-model database service designed for serverless applications. Learn how to model, query, and manage NoSQL data efficiently. Leverage its scalability, low latency, and built-in security features to meet the demands of modern applications.

Chapter 4: Azure Storage: Storing Data in the Cloud Securely

Explore the capabilities of Azure Storage, a comprehensive suite of storage solutions for serverless applications. Discover how to store various data types, including blobs, tables, queues, and files. Implement best practices for data protection, durability, and cost optimization.

Chapter 5: Azure API Management: Securing and Managing APIs

Delve into the world of Azure API Management, a gateway service that secures, transforms, and manages APIs. Learn how to expose serverless functions as APIs, apply access control, monitor usage, and enhance the overall developer experience.

Chapter 6: Serverless Architecture Patterns

Discover the architectural patterns that underpin successful serverless applications. Explore microservices, event-driven architectures, and data streaming patterns. Learn how to design and implement robust, scalable, and maintainable serverless solutions.

Chapter 7: Best Practices for Serverless Development

Uncover the best practices that enhance the development and management of serverless applications in Azure. Learn how to troubleshoot common challenges, monitor performance, and implement continuous integration and delivery pipelines for seamless deployment and updates.

Master the art of Azure Serverless Computing with this comprehensive guide. Empower your team to design, build, and manage serverless applications that drive innovation, reduce costs, and accelerate your business growth. Embrace the transformative power of serverless computing and unlock a world of possibilities.



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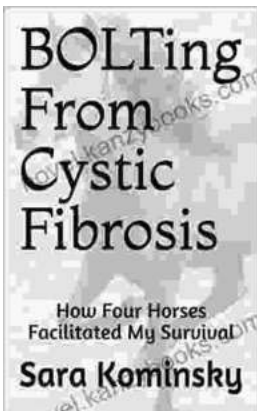
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