

## Windows Azure Le Services Author Bruce Johnson Jun 2013

Microsoft's Windows Phone 7 handsets have injected a new vibrancy into the smartphone marketplace and provided bold new opportunities for the Microsoft development community. Take advantage of these opportunities with *Beginning Windows Phone App Development*, written specifically to help you learn the skills you'll need to develop rich, functional apps for the Windows Phone 7 platform. Authors Henry Lee and Eugene Chuvyrov cover the very latest developments in the field—including the extended APIs offered in the new Mango platform update—so you'll have timely, accurate information at your fingertips. *Beginning Windows Phone App Development* starts with the basics, walking you through the process of downloading and setting up the right development tools, including Visual Studio, Expression Blend, Silverlight SDK, and Windows Phone SDK. It then takes you step-by-step through the development process as you build and deploy a working application, complete with a sophisticated user interface. Finally, you'll receive step-by-step instructions on packaging and selling your applications through the Windows Phone Marketplace.

This book presents the proceedings of the 7th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2018), held at Duy Tan University, Da Nang, Vietnam. The event brought together researchers, scientists, engineers, and practitioners to exchange new ideas and experiences in the domain of intelligent computing theories with prospective applications in various engineering disciplines. These proceedings are divided into two volumes. Covering broad areas of information and decision sciences, with papers exploring both the theoretical and practical aspects of data-intensive computing, data mining, evolutionary computation, knowledge management and networks, sensor networks, signal processing, wireless networks, protocols and architectures, this volume is a valuable resource for postgraduate students in various engineering disciplines.

Ce livre sur Bot Framework (en version V4 au moment de l'écriture) s'adresse aux développeurs qui souhaitent disposer des informations nécessaires pour développer un chatbot intelligent basé sur les services cognitifs d'Azure. Après une présentation du concept de chatbot et de quelques cas d'usage fréquents d'utilisation, l'auteur explique l'impact de l'intelligence artificielle sur les performances d'un chatbot. Il décrit ensuite les services cognitifs de Microsoft Azure en mettant l'accent sur ceux relatifs à la vision par ordinateur comme Vision ou ceux de compréhension du langage naturel comme LUIS ou QnA maker. Dans la suite du livre, le lecteur apprend à créer et à configurer un chatbot en utilisant Visual Studio et le langage C# et à utiliser des commandes CLI pour gérer des services cognitifs et des fichiers de configuration à l'aide de scripts. Pour finir, le dernier chapitre introduit l'outil Dispatch qui facilite l'intégration et la gestion de plusieurs services cognitifs dans un seul et même chatbot. Pour appréhender au mieux les concepts étudiés, des projets Visual Studio prêts à l'emploi accompagnent tous les exemples nécessitant l'utilisation de .NET et sont disponibles en téléchargement sur le site. A l'issue de la lecture de ce livre, le lecteur aura acquis une première expérience dans l'exploitation des services cognitifs d'Azure avec Bot Framework.

The book *Cloud Computing Fundamentals* is intended for both undergraduate and graduate students who seek a quick overview of cloud computing technologies without the need to go into complex technical details. Each chapter is written to provide enough information for students to have a broad picture of the different concepts underlying cloud computing and its applications in the real world. Students will find that attention has been given to keep notes on each topic discussed as concise and precise as possible to impart the necessary knowledge required for a basic understanding of cloud computing. At the end of each chapter, students will also find a summary and review questions that help focus on key points covered. This book can be used as supplementary material for a course in cloud computing.

Use Microsoft Azure to optimally design your data solutions and save time and money. Scenarios are presented covering analysis, design, integration, monitoring, and derivatives. This book is about data and provides you with a wide range of possibilities to implement a data solution on Azure, from hybrid cloud to PaaS services. Migration from existing solutions is presented in detail. Alternatives and their scope are discussed. Five of six chapters explore PaaS, while one focuses on SQL Server features for cloud and relates to hybrid cloud and IaaS functionalities. What You'll Learn Know the Azure services useful to implement a data solution Match the products/services used to your specific needs Fit relational databases efficiently into data design Understand how to work with any type of data using Azure hybrid and public cloud features Use non-relational alternatives to solve even complex requirements Orchestrate data movement using Azure services Approach analysis and manipulation according to the data life cycle Who This Book Is For Software developers and professionals with a good data design background and basic development skills who want to learn how to implement a solution using Azure data services

"L'informatique dans les nuages, autrement dit « Cloud Computing », est certainement une des évolutions majeures de l'informatique. Dorénavant, les données ne sont plus stockées sur des serveurs locaux ou sur le poste client mais quelque part sur des serveurs distants. Cela change une grande partie de l'organisation de l'informatique d'une entreprise et de nombreuses interrogations sont soulevées pour lesquelles ce livre se propose de répondre en faisant le tour de la question et des différentes approches possibles. "

Nato dall'esperienza diretta degli autori, tutti quali ficati professionisti che lavorano da anni nel settore, ASP.NET 4.5 e ASP. NET MVC 4 in C# e VB è una guida completa dedicata all'ultima versione della tecnologia di Microsoft per lo sviluppo di applicazioni web. Con uno stile pratico e ricco di esempi, il libro guida il lettore all'interno delle caratteristiche di ASP.NET 4.5, spiegando a fondo tutte le novità introdotte nell'ultima versione. Dalla costruzione dei layout, passando per databinding, custom control, fino alle novità dei controlli, di Entity Framework, JavaScript, mobile e ASP.NET MVC 4, questa guida tratta in modo esauriente e approfondito tutti gli argomenti fondamentali che servono a programmatori e progettisti per costruire e gestire una buona applicazione basata sull'ultima release di ASP.NET. PUNTI DI FORZA Tutte le novità introdotte da ASP.NET 4.5 Le basi e i concetti avanzati legati ad ASP.NET Web Forms Databinding e novità di ASP.NET Web Forms Introduzione e uso di ASP.NET MVC Sfruttare i meccanismi di caching Modi ficare il comportamento del runtime Sicurezza, aree protette e accesso via social

network AJAX e tecniche di programmazione client-side Distribuzione delle applicazioni e Windows Azure Build enterprise-ready applications and projects with Microsoft SQL Azure using this book and eBook.

High-performance computing (HPC) describes the use of connected computing units to perform complex tasks. It relies on parallelization techniques and algorithms to synchronize these disparate units in order to perform faster than a single processor could, alone. Used in industries from medicine and research to military and higher education, this method of computing allows for users to complete complex data-intensive tasks. This field has undergone many changes over the past decade, and will continue to grow in popularity in the coming years. Innovative Research Applications in Next-Generation High Performance Computing aims to address the future challenges, advances, and applications of HPC and related technologies. As the need for such processors increases, so does the importance of developing new ways to optimize the performance of these supercomputers. This timely publication provides comprehensive information for researchers, students in ICT, program developers, military and government organizations, and business professionals.

À l'heure du tout numérique et des multiples supports informatiques, les volumes d'information en circulation et dans nos appareils électroniques augmentent. La maîtrise de cette masse documentaire devient critique en raison de l'explosion des données numériques, de l'informatisation accélérée des processus d'entreprise et du foisonnement d'obligations légales et réglementaires. Après avoir étudié les différentes problématiques engendrées par la dématérialisation de l'information (accès, partage, protection, etc.), cet ouvrage s'intéresse aux documents d'activité et présente en détail les normes de gestion documentaire, notamment les ISO 15489 et 30300. Il étudie également les différentes écoles de pensées sur l'évaluation de la valeur des documents numériques, un aspect central du métier des archives, ainsi que l'importance des métadonnées pour identifier, classer et conserver l'information. Enfin, dans un univers mouvant, où l'obsolescence rapide des technologies oblige à développer des outils et des procédures pour conserver les archives sur une longue durée tout en garantissant leur sécurité, il traite le point capital de la pérennité du patrimoine informationnel.

Aggiornata a .NET Framework 4.5 e Visual Studio 2012, questa guida completa a Visual Basic 2012 è l'espressione corale di un gruppo di sviluppatori che utilizza questo linguaggio sin dalla sua prima versione per costruire applicazioni di ogni tipo, da quelle dedicate al web a complessi sistemi enterprise. Il libro, che include le ultime novità introdotte dal framework nella versione 4.5, tratta le basi del linguaggio, ne illustra i concetti più avanzati e spiega l'uso dell'OOP in VB, per poi passare alle tecnologie più attuali come LINQ, Entity Framework, ASP.NET, XAML, applicazioni distribuite e per il Windows Store. È il testo ideale sia per lo sviluppatore beginner sia per chi usa da tempo il linguaggio e vuole scoprire tutte le novità di Visual Basic 2012.

Ce livre a pour but d'apprendre le C++ Moderne. Le C++ Moderne c'est C++ 11, 14, 17 et 20. Organisé en chapitres à thèmes, cet ouvrage permet aux débutants d'apprendre le langage même en lisant les chapitres dans un ordre différent de celui proposé par l'auteur. C++ 11 est le fruit de plusieurs années de travail au niveau du comité de standardisation ISO et les versions suivantes, à savoir C++ 14, 17 et 20 ne sont que la suite de cet effort. On notera cependant que C++ 20 est toujours partiellement implémenté par les compilateurs du marché, que ce soit Visual C++ de Microsoft, Clang (LLVM) ou GCC. Sur le cloud, tout est orienté Server et Linux reigne en maître. Que ce soit via des la programmation multithreads ou asynchrones, C++ tire son épingle du jeu et , Server-side Avec les enjeux du Cloud, on s'aperçoit que seules les Technologies qui sont à la pointe du marché des comme Go, Go, daor ou Docker

Exam Practice Questions in Quiz Simulation: With 300+ Q/A, IPSpecialist's Practice Questions is a concise collection of important topics to

keep in mind. The questions are especially prepared following the exam blueprint to give you a clear understanding of what to expect from the certification exam. It goes further on to give answers with thorough explanations. In short, it is a perfect resource that helps you evaluate your preparation for the exam.

Get up to speed with core PostgreSQL tasks such as database administration, application development, database performance monitoring, and database testing Key Features Build real-world enterprise database management systems using Postgres 12 features Explore the development, administrative and security aspects of PostgreSQL 12 Implement best practices from industry experts to build powerful database applications Book Description PostgreSQL is an open-source object-relational database management system (DBMS) that provides enterprise-level services, including high performance and scalability. This book is a collection of unique projects providing you with a wealth of information relating to administering, monitoring, and testing PostgreSQL. The focus of each project is on both the development and the administrative aspects of PostgreSQL. Starting by exploring development aspects such as database design and its implementation, you'll then cover PostgreSQL administration by understanding PostgreSQL architecture, PostgreSQL performance, and high-availability clusters. Various PostgreSQL projects are explained through current technologies such as DevOps and cloud platforms using programming languages like Python and Node.js. Later, you'll get to grips with the well-known database API tool, PostgREST, before learning how to use popular PostgreSQL database testing frameworks. The book is also packed with essential tips and tricks and common patterns for working seamlessly in a production environment. All the chapters will be explained with the help of a real-world case study on a small banking application for managing ATM locations in a city. By the end of this DBMS book, you'll be proficient in building reliable database solutions as per your organization's needs. What you will learn Set up high availability PostgreSQL database clusters in the same containment, a cross-containment, and on the cloud Monitor the performance of a PostgreSQL database Create automated unit tests and implement test-driven development for a PostgreSQL database Develop PostgreSQL apps on cloud platforms using DevOps with Python and Node.js Write robust APIs for PostgreSQL databases using Python programming, Node.js, and PostgREST Create a geospatial database using PostGIS and PostgreSQL Implement automatic configuration by Ansible and Terraform for Postgres Who this book is for This PostgreSQL book is for database developers, database administrators, data architects, or anyone who wants to build end-to-end database projects using Postgres. This book will also appeal to software engineers, IT technicians, computer science researchers, and university students who are interested in database development and administration. Some familiarity with PostgreSQL and Linux is required to grasp the concepts covered in the book effectively.

L'accès à des ressources IT virtualisées hors de l'entreprise, ou cloud computing, est l'évolution qui soulève le plus d'interrogations auprès des décideurs et des architectes de systèmes d'information. Ceux-ci comprennent assez bien les bénéfices de cette informatique dématérialisée sans toujours parvenir à en apprécier les implications et le degré de maturité. Dressant un panorama détaillé du cloud computing, cet ouvrage en analyse l'écosystème au travers des acteurs qui le construisent et via les propositions de valeurs qu'ils offrent. Il en présente, entre autres, les éditeurs de logiciels, les sociétés de conseil et de services, les marchés émergents, les tendances et évolutions, ainsi que les conséquences attendues sur le paysage IT.

Written for IT and business professionals, this book provides the technical and business insight needed to plan, deploy and manage the services provided by the Microsoft Azure cloud. Find out how to integrate the infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) models with your existing business infrastructure while maximizing availability, ensuring continuity and safety of your data, and

keeping costs to a minimum. The book starts with an introduction to Microsoft Azure and how it differs from Office 365—Microsoft's 'other' cloud. You'll also get a useful overview of the services available. Part II then takes you through setting up your Azure account, and gets you up-and-running on some of the core Azure services, including creating web sites and virtual machines, and choosing between fully cloud-based and hybrid storage solutions, depending on your needs. Part III now takes an in-depth look at how to integrate Azure with your existing infrastructure. The authors, Anthony Puca, Mike Manning, Brent Rush, Marshall Copeland and Julian Soh, bring their depth of experience in cloud technology and customer support to guide you through the whole process, through each layer of your infrastructure from networking to operations. High availability and disaster recovery are the topics on everyone's minds when considering a move to the cloud, and this book provides key insights and step-by-step guidance to help you set up and manage your resources correctly to optimize for these scenarios. You'll also get expert advice on migrating your existing VMs to Azure using InMage, mail-in and the best 3rd party tools available, helping you ensure continuity of service with minimum disruption to the business. In the book's final chapters, you'll find cutting edge examples of cloud technology in action, from machine learning to business intelligence, for a taste of some exciting ways your business could benefit from your new Microsoft Azure deployment.

With the evolution of digitized data, our society has become dependent on services to extract valuable information and enhance decision making by individuals, businesses, and government in all aspects of life. Therefore, emerging cloud-based infrastructures for storage have been widely thought of as the next generation solution for the reliance on data increases. Data Intensive Storage Services for Cloud Environments provides an overview of the current and potential approaches towards data storage services and its relationship to cloud environments. This reference source brings together research on storage technologies in cloud environments and various disciplines useful for both professionals and researchers.

This book presents selected papers from the 3rd International Conference on Micro-Electronics and Telecommunication Engineering, held at SRM Institute of Science and Technology, Ghaziabad, India, on 30-31 August 2019. It covers a wide variety of topics in micro-electronics and telecommunication engineering, including micro-electronic engineering, computational remote sensing, computer science and intelligent systems, signal and image processing, and information and communication technology.

This book introduces researchers and practitioners to Cyber-Physical Systems (CPS) and its applications in the built environment. It begins with a fundamental introduction to CPS technology and associated concepts. It then presents numerous examples of applications from managing construction projects to smart transportation systems and smart cities. It concludes with a discussion of future directions for CPS deployment in the construction, operation and maintenance of constructed facilities. Featuring internationally recognized experts as contributors, *Cyber-Physical Systems in the Built Environment*, is an ideal resource for engineers, construction managers, architects, facilities

managers, and planners working on a range of building and civil infrastructure projects.

Chapter 1: Introduction -- Chapter 2: Infrastructure as a Service -- Chapter 3: Platform as a Service -- Chapter 4: Application as a Service -- Chapter 5: Paradigms for Developing Cloud Applications -- Chapter 6: Addressing the Cloud Challenges -- Chapter 7: Security -- Chapter 8: Managing the Cloud Infrastructure -- Chapter 9: Related Technologies -- Chapter 10: Future trends and Research Directions.

Microsoft's Windows Phone 7 handsets have injected a new vibrancy into the smartphone marketplace and provided bold new opportunities for the Microsoft development community. Now in its second edition, *Beginning Windows Phone 7 Development* has been written to help you identify those opportunities and to learn the skills you'll need to harness them. It covers the very latest developments in the field, including the extended APIs offered in Microsoft's automatic platform update, so you'll have timely, accurate information at your fingertips. *Beginning Windows Phone 7 Development, Second Edition* starts with the basics, walking you through the process of downloading and setting up the right development tools, including Visual Studio, Expression Blend, Silverlight SDK, and Windows Phone SDK. It then takes you step-by-step through the development process as you build and deploy a working application, complete with a sophisticated user interface. Finally, you'll receive step-by-step instructions on selling your applications through the Windows Phone Marketplace.

Conquer Windows Server 2019—from the inside out! Dive into Windows Server 2019—and really put your Windows Server expertise to work. Focusing on Windows Server 2019's most powerful and innovative features, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all you need to plan, implement, or manage Windows Server in enterprise, data center, cloud, and hybrid environments. Fully reflecting new innovations for security, hybrid cloud environments, and Hyper-Converged Infrastructure (HCI), it covers everything from cluster sets to Windows Subsystem for Linux. You'll discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery.

- Optimize the full Windows Server 2019 lifecycle, from planning and configuration through rollout and administration
- Leverage new configuration options including App Compatibility Features on Demand (FOD) or Desktop Experience
- Ensure fast, reliable upgrades and migrations
- Manage Windows servers, clients, and services through Windows Admin Center
- Seamlessly deliver and administer core DNS, DHCP, file, print, storage, and Internet services
- Use the Storage Migration Service to simplify storage moves and configuration at the destination
- Seamlessly integrate Azure IaaS and hybrid services with Windows Server 2019
- Improve agility with advanced container technologies, including container networking and integration into Kubernetes orchestration clusters
- Deliver Active Directory identity, certificate, federation, and rights management services
- Protect servers, clients, VMs, assets, and

users with advanced Windows Server 2019 security features, from Just Enough Administration to shielded VMs and guarded virtualization fabrics • Monitor performance, manage event logs, configure advanced auditing, and perform backup/recovery Windows Server 2019 For Experienced Windows Server Users and IT Professionals • Your role: Experienced intermediate to-advanced level Windows Server user or IT professional • Prerequisites: Basic understanding of Windows Server procedures, techniques, and navigation

Thoroughly revised to present the very latest in PACS-based multimedia in medical imaging informatics—from the electronic patient record to the full range of topics in digital medical imaging—this new edition by the founder of PACS and multimedia image informatics features even more clinically applicable material than ever before. It uses the framework of PACS-based image informatics, not physics or engineering principles, to explain PACS-based multimedia informatics and its application in clinical settings and labs. New topics include Data Grid and Cloud Computing, IHE XDS-I Workflow Profile (Integrating the Healthcare Enterprise Cross-enterprise Document Sharing for Imaging), extending XDS to share images, and diagnostic reports and related information across a group of enterprise health care sites. PACS-Based Multimedia Imaging Informatics is presented in 4 sections. Part 1 covers the beginning and history of Medical Imaging, PACS, and Imaging Informatics. The other three sections cover Medical Imaging, Industrial Guidelines, Standards, and Compliance; Informatics, Data Grid, Workstation, Radiation Therapy, Simulators, Molecular Imaging, Archive Server, and Cloud Computing; and multimedia Imaging Informatics, Computer-Aided Diagnosis (CAD), Image-Guide Decision Support, Proton Therapy, Minimally Invasive Multimedia Image-Assisted Surgery, BIG DATA. New chapter on Molecular Imaging Informatics Expanded coverage of PACS and eHR's (Electronic Health Record), with HIPPA compliance New coverage of PACS-based CAD (Computer-Aided Diagnosis) Reorganized and expanded clinical chapters discuss one distinct clinical application each Minimally invasive image assisted surgery in translational medicine Authored by the world's first and still leading authority on PACS and medical imaging PACS-Based Multimedia Imaging Informatics: Basic Principles and Applications, 3rd Edition is the single most comprehensive and authoritative resource that thoroughly covers the critical issues of PACS-based hardware and software design and implementation in a systematic and easily comprehensible manner. It is a must-have book for all those involved in designing, implementing, and using PACS-based Multimedia Imaging Informatics.

Explains both cloud security and privacy, and digital forensics in a unique, systematic way Discusses both security and privacy of cloud and digital forensics in a systematic way Contributions by top U.S., Chinese and international researchers, and professionals active in the field of information / network security, digital / computer forensics, and the cloud and big data Of interest to those focused upon security and implementation, and those focused upon incident

## management Logical, well-structured and organized

This volume provides comprehensive chapter-by-chapter assessment of one of the world's most important regional trade agreements, the TPP/CPTPP.

Cloud Data Center Network Architectures and Technologies has been written with the support of Huawei's vast technical knowledge and experience in the data center network (DCN) field, as well as its understanding of customer service requirements. This book describes in detail the architecture design, technical implementation, planning and design, and deployment suggestions for cloud DCNs based on the service challenges DCNs encounter. It starts by describing the overall architecture and technical evolution of DCNs, with the aim of helping readers understand the development of DCNs. It then proceeds to explain the design and implementation of cloud DCNs, including the service model of a single data center (DC), construction of physical and logical networks of DCs, construction of multiple DCNs, and security solutions of DCs. Next, this book dives deep into practices of cloud DCN deployment based on real-world cases to help readers better understand how to build cloud DCNs. Finally, this book introduces DCN openness and some of the hottest forward-looking technologies. In summary, you can use this book as a reference to help you to build secure, reliable, efficient, and open cloud DCNs. It is intended for technical professionals of enterprises, research institutes, information departments, and DCs, as well as teachers and students of computer network-related majors in colleges and universities. Authors Lei Zhang Mr. Zhang is the Chief Architect of Huawei's DCN solution. He has more than 20 years' experience in network product and solution design, as well as a wealth of expertise in product design and development, network planning and design, and network engineering project implementation. He has led the design and deployment of more than 10 large-scale DCNs for Fortune Global 500 companies worldwide. Le Chen Mr. Chen is a Huawei DCN Solution Documentation Engineer with eight years' experience in developing documents related to DCN products and solutions. He has participated in the design and delivery of multiple large-scale enterprise DCNs. Mr. Chen has written many popular technical document series, such as DCN Handbook and BGP Topic. Provides information on creating a secure, internal cloud using Microsoft Windows Server Hyper-V and Microsoft System Center Virtual Machine Manager 2012.

Get practical instructions and real-world advice for setting up public cloud services using Microsoft cloud technologies. This book is structured into lessons with links to demos and labs to give you hands-on experience setting up a work environment, building websites, customizing online marketing, building customized apps, and other essential tasks. With guidance from two experts in Microsoft cloud technologies, you will: Step through the process of setting up your business in the cloud Learn how to use the latest technology without investing in hardware and software Follow demos and instructions to get your business up and running quickly Chapters will cover: Working with Microsoft Office 365 and OneDrive for business Managing mobile devices with Windows Intune Using Yammer and Microsoft Dynamics CRM Online Running applications and building web sites with Azure Blending services in a holistic approach \*For academic audience: PowerPoint slides and a test bank will be provided as instructor resources.

ICT Update est un magazine bimestriel édité par le CTA et disponible sur Internet (<http://ictupdate.cta.int>), en version papier et sous forme d'une newsletter diffusée par e-mail. Ce numéro est consacré aux chaînes de valeur.

This book is written for Windows professionals who are familiar with PowerShell and want to learn to build, operate, and administer their Windows workloads in the Microsoft cloud. Pro PowerShell for Microsoft Azure is packed with practical examples and scripts, with easy-to-

follow explanations for a wide range of day-to-day needs and essential administration tasks. Author Sherif Talaat begins by explaining the fundamental concepts behind the Microsoft Azure platform and how to get started configuring it through PowerShell. Readers will find out how to deploy, configure and manage the various components of the Azure platform, from storage and virtual networks to Azure Web Sites, HDInsight clusters and the Azure SQL Database. Workload automation, scheduling and resource management are covered in depth to help build efficiency in everyday tasks, and administrators will gain full control over Azure identity and access rights using Azure Active Directory and Rights Management Services. Put your PowerShell skills to good use and ensure that your applications and data are available anywhere at any time, with Pro PowerShell for Microsoft Azure. What You'll Learn Create and manage virtual networks and VPNs using PowerShell. Configure and maintain Azure Storage accounts, blobs, and containers. Provision and manage a redundant Windows or Linux server. Deploy and configure your sites in the cloud using Microsoft Azure Web Sites. Provision Apache Hadoop clusters in the cloud using Azure HDInsight. Deploy, configure and manage a Microsoft Azure SQL Database. Protect and secure identities and resources with Azure Active Directory and Azure Rights Management Services. Who This Book Is For This is book is for the intermediate to advanced Windows professional who is ready to make the leap to the cloud.

Microsoft Azure Planning, Deploying, and Managing Your Data Center in the Cloud Apress

We're thrilled to share another free ebook with you: Introducing Microsoft Azure HDInsight, by Avkash Chauhan, Valentine Fontama, Michele Hart, Wee Hyong Tok, and Buck Woody. Here are the download links: Download the PDF (6.37 MB; 130 pages) from <http://aka.ms/IntroHDInsight/PDF> Download the EPUB (8.46 MB) from <http://aka.ms/IntroHDInsight/EPUB> Download the MOBI (12.8 MB) from <http://aka.ms/IntroHDInsight/MOBI> Download the code samples (6.83 KB) from <http://aka.ms/IntroHDInsight/CompContent> Get a head start evaluating Windows Azure - with technical insights from a Microsoft MVP Mitch Tulloch. This guide introduces the latest features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Topics include: Understanding Windows Azure Windows Azure Compute Services Windows Azure Network Services Windows Azure Data Services Windows Azure App Services Getting Started with Windows Azure

The Windows Azure Platform has rapidly established itself as one of the most sophisticated cloud computing platforms available. With Microsoft working to continually update their product and keep it at the cutting edge, the future looks bright—if you have the skills to harness it. In particular, new features such as remote desktop access, dynamic content caching and secure content delivery using SSL make the latest version of Azure a more powerful solution than ever before. It's widely agreed that cloud computing has produced a paradigm shift in traditional architectural concepts by providing new ways to both store and process data. The basic concepts of the cloud are now well understood throughout the industry. What is much less well understood, and the primary focus of this book, is how the the Windows Azure technology can be applied in real-world scenarios and made to work for you. This book answers those questions, demonstrating how all the features of Windows Azure—both old and new—can be put to work. By the time you're done reading, you will be comfortable building high-quality end-to-end Windows Azure services of your own. The book, like the Azure platform itself, is divided into three key parts—Windows Azure, SQL Azure, and Windows Azure AppFabric. Each of these plays a unique role in the functioning of your cloud service. It is the goal of this book to show you how to use these components, both separately and together, to build flawless cloud applications as well as hybrid architectures that fit in alongside your business' existing systems. Pro Windows Azure Platform, Second Edition is a down-to-earth, code-centric book that shows precisely how the all the components of Windows Azure are employed, and demonstrates the techniques and best

practices you'll need to put them to work.

Prepare for Microsoft Exam 70-532--and help demonstrate your real-world mastery of Microsoft Azure solution development. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Design and implement Websites Create and manage Virtual Machines Design and implement Cloud Services Design and implement a storage strategy Manage application and network services This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Will be valuable for Microsoft Azure developers, solution architects, DevOps engineers, and QA engineers Assumes you have experience designing, programming, implementing, automating, and monitoring Microsoft Azure solutions and that you are proficient with tools, techniques, and approaches for building scalable, resilient solutions Developing Microsoft Azure Solutions About the Exam Exam 70-532 focuses on the skills and knowledge needed to develop Microsoft Azure solutions that include websites, virtual machines, cloud services, storage, application services, and network services. About Microsoft Certification Passing this exam earns you a Microsoft Specialist certification in Microsoft Azure, demonstrating your expertise with the Microsoft Azure enterprise-grade cloud platform. You can earn this certification by passing Exam 70-532, Developing Microsoft Azure Solutions; or Exam 70-533, Implementing Microsoft Azure Infrastructure Solutions; or Exam 70-534, Architecting Microsoft Azure Solutions. See full details at: [microsoft.com/learning](http://microsoft.com/learning)

This book develops a crowdsourced sensor-cloud service composition framework taking into account spatio-temporal aspects. This book also unfolds new horizons to service-oriented computing towards the direction of crowdsourced sensor data based applications, in the broader context of Internet of Things (IoT). It is a massive challenge for the IoT research field how to effectively and efficiently capture, manage and deliver sensed data as user-desired services. The outcome of this research will contribute to solving this very important question, by designing a novel service framework and a set of unique service selection and composition frameworks. Delivering a novel service framework to manage crowdsourced sensor data provides high-level abstraction (i.e., sensor-cloud service) to model crowdsourced sensor data from functional and non-functional perspectives, seamlessly turning the raw data into "ready to go" services. A creative indexing model is developed to capture and manage the spatio-temporal dynamism of crowdsourced service providers. Delivering novel frameworks to compose crowdsourced sensor-cloud services is vital. These frameworks focuses on spatio-temporal composition of crowdsourced sensor-cloud services, which is a new territory for existing service oriented computing research. A creative failure-proof model is also designed to prevent composition failure caused by fluctuating QoS. Delivering an incentive model to drive the coverage of crowdsourced service providers is also vital. A new spatio-temporal incentive model targets changing coverage of the crowdsourced providers to achieve demanded coverage of crowdsourced sensor-cloud services within a region. The outcome of this research is expected to potentially create a sensor services crowdsourcing market and new commercial opportunities focusing on crowdsourced data based applications. The crowdsourced community based approach adds significant value to journey planning and map services thus creating a competitive edge for a technologically-minded companies incentivizing new start-ups, thus enabling higher market innovation. This book primarily targets researchers and practitioners, who conduct research work in service oriented computing, Internet of Things (IoT), smart city and spatio-temporal travel planning, as well as advanced-level students studying this field. Small and Medium Entrepreneurs, who invest in crowdsourced IoT services and journey planning infrastructures, will also want to purchase this book.

Understanding the latest capabilities in the cyber threat landscape as well as the cyber forensic challenges and approaches is the best way

users and organizations can prepare for potential negative events. Adopting an experiential learning approach, this book describes how cyber forensics researchers, educators and practitioners can keep pace with technological advances, and acquire the essential knowledge and skills, ranging from IoT forensics, malware analysis, and CCTV and cloud forensics to network forensics and financial investigations. Given the growing importance of incident response and cyber forensics in our digitalized society, this book will be of interest and relevance to researchers, educators and practitioners in the field, as well as students wanting to learn about cyber forensics.

Security concerns around the rapid growth and variety of devices that are controlled and managed over the Internet is an immediate potential threat to all who own or use them. This book examines the issues surrounding these problems, vulnerabilities, what can be done to solve the problems, investigating the roots of the problems and how programming and attention to good security practice can combat the threats today that are a result of lax security processes on the Internet of Things, cloud computing and social media.

Get valuable tips and techniques for automating your cloud deployments with Azure PowerShell cmdlets, and learn how to provision Azure services on the fly. In this hands-on guide, Microsoft cloud technology expert Michael Washam shows you how to automate various management tasks and deploy solutions that are both complex and at scale. By combining the native automation capabilities of PowerShell with Azure Infrastructure Services, these powerful cmdlets enable you to create and configure virtual machines with ease. You'll learn how to take advantage of these technologies to build complete virtual networks. If you have experience with PowerShell and Azure, you're ready to get started. Install and authenticate cmdlets to set up your environment Create and update virtual machines with Azure platform images Manage network endpoints, access control lists, and IP addresses Use cmdlets to manage and configure virtual machine storage Automate Azure virtual networks with hybrid technologies such as site-to-site, point-to-site, and ExpressRoute Dive into advanced virtual machine provisioning capabilities and management techniques Learn tips and tricks for deleting or moving virtual machines within (or out of) your subscription

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