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[Apple Device Management Enterprise Mobility Strategy & Solutions Mobile Device Management Designing Production-Grade and Large-Scale IoT Solutions Mobile Device Security For Dummies HoloLens Blueprints Telecom Operations Management Solutions with NetExpert IoT Solutions in Microsoft's Azure IoT Suite Enterprise Mobility with App Management, Office 365, and Threat Mitigation Mobile Computing Deployment and Management Deploying iPads in the Classroom A Comprehensive Guide to Enterprise Mobility Enterprise Mobility Suite Managing BYOD and Company-Owned Devices Cisco Network Design Solutions for Small-medium Businesses Building an Effective IoT Ecosystem for Your Business Foundations of Information Security Trends and Challenges in Digital Business Innovation Right-Time Experiences Build, Run, and Sell Your Apple Consulting Practice Web, Artificial Intelligence and Network Applications Learning Microsoft Endpoint Manager Mobile and Wireless Design Essentials Mastering Windows Security and Hardening Knowledge-Based Software Engineering Middleware Solutions for Wireless Internet of Things A Comprehensive Guide to Information Security Management and Audit Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing Advanced Research on Cloud Computing Design and Applications Lifecycle IoT Security for Engineers Apple macOS and iOS System Administration Security and Privacy Protection in Information Processing Systems BYOD for Healthcare Bring Your Own Devices \(BYOD\) Survival Guide CWNA Certified Wireless Network Administrator Official Deluxe Study Guide iPhone with Microsoft Exchange Server 2010 Towards the Internet of Things CWSP Certified Wireless Security Professional Study Guide End to End Security with z Systems WiMAX Monthly Newsletter June 2010 IBM MobileFirst in Action for mGovernment and Citizen Mobile Services](#)

**BYOD for Healthcare** Feb 24 2020 With 70 percent of organizations already adopting bring your own device (BYOD) and Gartner expecting this number to increase to 90 percent by the end of 2014, it is not a question of if, or when, it's a question of will you be ready. BYOD for Healthcare provides authoritative guidance to help you thrive during the healthcare BYOD (hBYOD) revolution. Jessica Keyes, president of New Art Technologies, Inc., professor at the University of Liverpool, and former managing director of R&D for the New York Stock Exchange, supplies an understanding of these new end users, their demands, and the strategic and tactical ramifications of these demands. Maintaining a focus on the healthcare industry, the book considers the broad range of technical considerations, including selection, connectivity, training, support, and security. It examines the integration of BYOD to current health IT, legal, regulatory, and ethical issues. It also covers risk assessment and mitigation strategies for an hBYOD environment that are in line with medical laws, regulations, ethics, and the HIPAA and HITECH Acts. The text discusses BYOD security and provides time-saving guidance on how to configure your hBYOD environment. It also considers how BYOD impacts resource management, certification of EMR/EHR software, health informatics, and health information exchange. The book covers content and data management, risk assessment, and performance measurement and management. It includes a set of Quick Start guides with tips for assessing costs, cloud integration, and legal issues. It also contains a robust appendix with information on everything from security settings for Apple iOS devices to a sample employee mobile device agreement.

[Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing](#) Jul 31 2020 In today's market, emerging technologies are continually assisting in common workplace practices as companies and organizations search for innovative ways to solve modern issues that arise. Prevalent applications including internet of things, big data, and cloud computing all have noteworthy benefits, but issues remain when separately integrating them into the professional practices. Significant research is needed on converging these systems and leveraging each of their advantages in order to find solutions to real-time problems that still exist. Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing is a pivotal reference source that provides vital research on the relation between these technologies and the impact they collectively have in solving real-world challenges. While highlighting topics such as cloud-based analytics, intelligent algorithms, and information security, this publication explores current issues that remain when attempting to implement these systems as well as the specific applications IoT, big data, and cloud computing have in various professional sectors. This book is ideally designed for academicians, researchers, developers, computer scientists, IT professionals, practitioners, scholars, students, and engineers seeking research on the integration of emerging technologies to solve modern societal issues.

[IBM MobileFirst in Action for mGovernment and Citizen Mobile Services](#) Jun 17 2019 Mobile technology is changing the way government interacts with the public anytime and anywhere. mGovernment is the evolution of eGovernment. Like the evolution of web applications, mobile applications require a process transformation, and not by simply creating wrappers to mobile-enable existing web applications. This IBM® Redpaper™ publication explains what the key focus areas are for implementing a successful mobile government, how to address these focus areas with capabilities from IBM MobileFirst™ enterprise software, and what guidance and preferred practices to offer the IT practitioner in the public sector. This paper explains the key focus areas specific to governments and public sector clients worldwide in terms of enterprise mobility and describes the typical reference architecture for the adoption and implementation of mobile government solutions. This paper provides practical examples through typical use cases and usage scenarios for using the capabilities of the IBM MobileFirst products in the overall solution and provides guidance, preferred practices, and lessons learned to IT consultants and architects working in public sector engagements. The intended audience of this paper includes the following individuals: Client decision makers and solution architects leading mobile enterprise adoption projects in the public sector A wide range of IBM services and sales professionals who are involved in selling IBM software and designing public sector client solutions that include the IBM MobileFirst product suite Solution architects, consultants, and IBM Business Partners responsible for designing and deploying solutions that include the integration of the IBM MobileFirst product suite

**Apple macOS and iOS System Administration** Apr 27 2020 Effectively manage Apple devices anywhere from a handful of Macs at one location to thousands of iPhones across many locations. This book is a comprehensive guide for supporting Mac and iOS devices in organizations of all sizes. You'll learn how to control a fleet of macOS clients using tools like Profile Manager, Apple Device Enrollment Program (DEP), and Apple Remote Desktop. Then integrate your Mac clients into your existing Microsoft solutions for file sharing, print sharing, Exchange, and Active Directory authentication without having to deploy additional Mac-specific middle-ware or syncing between multiple directory services. Apple macOS and iOS System Administration shows how to automate the software installation and upgrade process using the open source Munki platform and provides a scripted out-of-the box experience for large scale deployments of macOS endpoints in any organization. Finally, you'll see how to provision and manage thousands of iOS devices in a standardized and secure

fashion with device restrictions and over-the-air configuration. What You'll Learn Integrate macOS and iOS clients into enterprise Microsoft environments Use Apple's Volume Purchase Program to manage App installations and share pools of Apps across multiple users Mass deploy iOS devices with standard configurations Remotely manage a fleet of macOS devices using Apple's Remote Desktop Who This Book Is For System or desktop administrators in enterprise organizations who need to integrate macOS or iOS clients into their existing IT infrastructure or set-up a new infrastructure for an Apple environment from scratch.

**Towards the Internet of Things** Oct 22 2019 This book presents a comprehensive framework for IoT, including its architectures, security, privacy, network communications, and protocols. The book starts by providing an overview of the aforementioned research topics, future directions and open challenges that face the IoT development. The authors then discuss the main architectures in the field, which include Three- and Five-Layer Architectures, Cloud and Fog Based Architectures, a Social IoT Application Architecture. In the security chapter, the authors outline threats and attacks, privacy preservation, trust and authentication, IoT data security, and social awareness. The final chapter presents case studies including smart home, wearables, connected cars, industrial Internet, smart cities, IoT in agriculture, smart retail, energy engagement, IoT in healthcare, and IoT in poultry and farming. Discusses ongoing research into the connection of the physical and virtual worlds; Includes the architecture, security, privacy, communications, and protocols of IoT; Presents a variety of case studies in IoT including wearables, smart cities, and energy management.

**Build, Run, and Sell Your Apple Consulting Practice** Apr 08 2021 Starting an app development company is one of the most rewarding things you'll ever do. Or it sends you into bankruptcy and despair. If only there was a guide out there, to help you along the way. This book is your guide to starting, running, expanding, buying, and selling a development consulting firm. But not just any consulting firm, one with a focus on Apple. Apple has been gaining adoption in businesses ranging from traditional 5 person start ups to some of the largest companies in the world. Author Charles Edge has been there since the days that the Mac was a dying breed in business, then saw the advent of the iPhone and iPad, and has consulted for environments ranging from the home user to the largest Apple deployments in the world. Now there are well over 10,000 shops out there consulting on Apple in business and more appearing every day. Build, Run, and Sell Your Apple Consulting Practice takes you through the journey, from just an idea to start a company all the way through mergers and finally into selling your successful and growing Apple development business. What You'll Learn Create and deploy grassroots as well as more traditional marketing plans Engage in the community of developers and companies that will hire you and vice versa Effectively buy and sell your time and talents to grow your business while remaining agile Who This Book Is For Business owners looking to grow and diversify their companies as well as developers, engineers, and designers working on Apple apps who would like to branch out into starting their own consulting business.

**HoloLens Blueprints** May 21 2022 Unveil the world of mixed reality with HoloLens About This Book Bring holographic insights to existing line-of-business applications, tools, and workflows Focus on developing end-to-end realistic holographic application. Build interactive model scripts and test them in Unity3D and holographic emulators Who This Book Is For This book is targeted at developers and designers working on mixed-reality developments for complex integrated scenarios using HoloLens. What You Will Learn Interact with holograms using different interaction models Develop your first holographic app Integrate holographic applications with cloud systems Visualize data feeds coming from the cloud through holograms Manage the application distribution of enterprise-enabled HoloLens Integrate HoloLens applications with services deployed on Azure Identify and create 3D Assets and Scenes Use HoloLens to explore the Internet of Things In Detail Do you want to create stunning applications with HoloLens? Are you a developer who is fascinated with Microsoft HoloLens and its capabilities? If so, this is the book for you. This book introduces and demystifies the HoloLens platform and shows you different ways of interaction with computers (mixed-reality). You will start your mixed-reality journey by understanding different types of digital reality. You will learn to build your first holographic app. Also, you will understand holographic application integration possibilities within Line of Business Applications using Azure. Moving ahead, you will create Integrated Solutions using IoT with HoloLens. Gradually you'll learn how to create and deploy apps on a device. You will learn to publish application to the store; if you are an enterprise developer, you will also manage and distribute applications for enterprise-enabled or domain-joined HoloLens. Finally, you will develop an end-to-end realistic holographic app, ranging from scenario identification to sketching, development, deployment, and, finally, production. Style and approach The book is a project-based guide to help you to create some really astonishing mixed-reality applications. It will provide end-to-end solutions and enable you to build stunning applications for HoloLens.

**Right-Time Experiences** May 09 2021 "This book illustrates how businesses can use mobility, big data, and analytics to enhance or change business processes, improve margins through better insight, transform customer experiences, and empower employees with real-time, actionable insights. The author depicts how companies can create competitive differentiation using mobile, cloud computing big data, and analytics to improve commerce, customer service, and communications with employees and consumers"--

**Trends and Challenges in Digital Business Innovation** Jun 10 2021 This book describes the trends in digital innovation that are of most importance for businesses and explores the key challenges. The book is in three parts, the first of which focuses on developments in digital systems. Here, the ever-growing relevance of big data, cloud computing, and mobile services for business is discussed, and detailed consideration is given to the importance of social listening for understanding user behavior and needs and the implications of IT consumerization. In the second part, trends in digital management are examined, with chapters devoted to work practice, digital business identity as well as branding and governance. The final part of the book presents and reviews case studies of digital innovation at the global level that provide a benchmark of best practices, with inclusion of instructive fact sheets. While the book offers academic coverage of the digital transformation of business organizations and the associated challenges, it also describes concrete, real-world issues in clear, easy-to-understand language and will serve as a toolbox for managers that can be readily consulted. The text is supported by informative illustrations and tables, and practitioners will also benefit from the reported case studies and highlighted insights and recommendations.

**Lifecycle IoT Security for Engineers** May 29 2020 This comprehensive resource provides a thorough introduction to the security risks, attack vectors and vulnerabilities an Internet of things (IoT) product and its network can face at different phases of its lifecycle. The risks at each stage of the development and operations (DevOps) lifecycle of an IoT product are analyzed. Examples of recent, relevant security threats faced by the industry are discussed and why the security breach happened, how it was resolved, and what could have been done to avoid them will be explained. Readers will learn the best practices to secure their IoT products, and networks in a holistic way. IoT and the diverse and unique nature of IoT applications across the commercial and industrial landscape, are introduced, including the need for securing IoT. The lifecycle of IoT security, specifically the security implementations that need to be carried out at various stages in the operational process of an IoT service are presented, as well as the security requirements during the planning, security integration, operational, maintenance, and planned discontinuation phase of an IoT service. The vulnerabilities in IoT, the various attack vectors exploited by attackers, and preventive measures that can be undertaken to avoid these security attacks are also explored. Readers are acclimated with various steps that must be undertaken to prepare for IoT security attacks, and techniques that can be employed to detect

them. Key challenges involved with implementing appropriate levels of security in IoT due to heterogeneity, interoperability, human errors, and commercial factors are discussed, as well as the need for regulatory guidance for the IoT industry and highlights specific examples of regulations in leading markets across the globe.

**Building an Effective IoT Ecosystem for Your Business** Aug 12 2021 This descriptive, practical guide explains how to build a commercially impactful, operationally effective and technically robust IoT ecosystem that takes advantage of the IoT revolution and drives business growth in the consumer IoT as well as industrial internet spaces. With this book, executives, business managers, developers and decision-makers are given the tools to make more informed decisions about IoT solution development, partner eco-system design, and the monetization of products and services. Security and privacy issues are also addressed. Readers will explore the design guidelines and technology choices required to build commercially viable IoT solutions, but also uncover the various monetization and business modeling for connected products.

**Cisco Network Design Solutions for Small-medium Businesses** Sep 13 2021 Master the design and deployment of small and medium-sized business networks.

**Mobile Device Security For Dummies** Jun 22 2022 The information you need to avoid security threats on corporate mobile devices Mobile devices have essentially replaced computers for corporate users who are on the go and there are millions of networks that have little to no security. This essential guide walks you through the steps for securing a network and building a bulletproof framework that will protect and support mobile devices in the enterprise. Featuring real-world case scenarios, this straightforward guide shares invaluable advice for protecting mobile devices from the loss of sensitive and confidential corporate information. Provides a practical, fast-track approach to protecting a mobile device from security threats Discusses important topics such as specific hacker protection, loss/theft protection, backing up and restoring data, and more Offers critical advice for deploying enterprise network protection for mobile devices Walks you through the advantages of granular application access control and enforcement with VPN Business can be mobile without being vulnerable?and Mobile Device Security For Dummies shows you how.

**iPhone with Microsoft Exchange Server 2010** Nov 22 2019 iPhone with Microsoft Exchange Server 2010 - Business Integration and Deployment is a practical, step-by-step tutorial on planning, installing and configuring Exchange Server to deploy iPhones into your business. This book is aimed at system administrators who don't necessarily know about Exchange Server 2010 or ActiveSync-based mobile devices. A basic level of knowledge around Windows Servers is expected, and knowledge of smartphones and email systems in general will make some topics a little easier.

**Telecom Operations Management Solutions with NetExpert** Apr 20 2022 The communications environment is rapidly changing. The barriers of traditional phone and data technologies are going to break down, and users can expect a true multimedia environment with existing services transferred and new services implemented. New suppliers, such as cable companies, will compete with interexchange carriers, RBOCs, and local phone companies for the market share. The differentiator is the price/performance ratio of the service under consideration. Today's migrated and new services lack powerful management solutions. Telecom Operations Management Solutions with NetExpert examines the most advanced products available to manage new technologies as well as addresses services, such as: Advanced telephony Wireless networks Commercial broadband Mass-market broadband Competitive access services Intercarrier communications Infrastructure services This resource also demonstrates how expert systems solve the problem of handling the large volume of data streams from numerous network components. Practical solutions support each example of an application - offering first-hand operational experience. The book provides practical examples to deploy management solutions based on NetExpert framework from Objective Systems Integrator. The framework consists of the principal modules, such as a gateway to managed devices and services as well as the workstation for operators. This framework is extended by point rulesets to manage individual devices by domain rulesets to manage device groups by enterprise rulesets to manage complete telco services The solution sets support all layers of telecommunication management networks, such as element, network, service, and business layers. As a result, these solution sets are extremely important to both incumbent and new telco service providers. Numerous cases cover customized solutions for managing wireless networks, sonet rings, ATM, old and new phone services, broadband services, and special access services of ISPs. Telecom Operations Management Solutions with NetExpert describes never-before-published information about solution sets based on an expert-system-based framework.

**Mastering Windows Security and Hardening** Dec 04 2020 A comprehensive guide to administering and protecting the latest Windows 11 and Windows server operating system from ongoing cyber threats using zero-trust security principles Key Features Learn to protect your Windows environment using zero-trust and a multi-layered security approach Implement security controls using Intune, Configuration Manager, Defender for Endpoint, and more Understand how to onboard modern cyber-threat defense solutions for Windows clients Book Description Are you looking for the most current and effective ways to protect Windows-based systems from being compromised by intruders? This updated second edition is a detailed guide that helps you gain the expertise to implement efficient security measures and create robust defense solutions using modern technologies. The first part of the book covers security fundamentals with details around building and implementing baseline controls. As you advance, you'll learn how to effectively secure and harden your Windows-based systems through hardware, virtualization, networking, and identity and access management (IAM). The second section will cover administering security controls for Windows clients and servers with remote policy management using Intune, Configuration Manager, Group Policy, Defender for Endpoint, and other Microsoft 365 and Azure cloud security technologies. In the last section, you'll discover how to protect, detect, and respond with security monitoring, reporting, operations, testing, and auditing. By the end of this book, you'll have developed an understanding of the processes and tools involved in enforcing security controls and implementing zero-trust security principles to protect Windows systems. What you will learn Build a multi-layered security approach using zero-trust concepts Explore best practices to implement security baselines successfully Get to grips with virtualization and networking to harden your devices Discover the importance of identity and access management Explore Windows device administration and remote management Become an expert in hardening your Windows infrastructure Audit, assess, and test to ensure controls are successfully applied and enforced Monitor and report activities to stay on top of vulnerabilities Who this book is for If you're a cybersecurity or technology professional, solutions architect, systems engineer, systems administrator, or anyone interested in learning how to secure the latest Windows-based systems, this book is for you. A basic understanding of Windows security concepts, Intune, Configuration Manager, Windows PowerShell, and Microsoft Azure will help you get the best out of this book.

**Foundations of Information Security** Jul 11 2021 High-level overview of the information security field. Covers key concepts like confidentiality, integrity, and availability, then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. In this high-level survey of the information security field, best-selling author Jason Andress covers the basics of a wide variety of topics, from authentication and authorization to maintaining confidentiality and performing penetration testing. Using real-world security breaches as examples, Foundations of Information Security explores common applications of

these concepts, such as operations security, network design, hardening and patching operating systems, securing mobile devices, as well as tools for assessing the security of hosts and applications. You'll also learn the basics of topics like: Multifactor authentication and how biometrics and hardware tokens can be used to harden the authentication process The principles behind modern cryptography, including symmetric and asymmetric algorithms, hashes, and certificates The laws and regulations that protect systems and data Anti-malware tools, firewalls, and intrusion detection systems Vulnerabilities such as buffer overflows and race conditions A valuable resource for beginning security professionals, network systems administrators, or anyone new to the field, Foundations of Information Security is a great place to start your journey into the dynamic and rewarding field of information security.

*Security and Privacy Protection in Information Processing Systems* Mar 27 2020 This book constitutes the refereed proceedings of the 28th IFIP TC 11 International Information Security and Privacy Conference, SEC 2013, held in Auckland, New Zealand, in July 2013. The 31 revised full papers presented were carefully reviewed and selected from 83 submissions. The papers are organized in topical sections on malware, authentication and authorization, network security/cryptography, software security, policy compliance and obligations, privacy protection, risk analysis and security metrics, social engineering, and security management/forensics.

**Apple Device Management** Oct 26 2022 Working effectively with Apple platforms at a corporate or business level includes not only infrastructure, but a mode of thinking that administrators have to adopt to find success. A mode of thinking that forces you to leave 30 years of IT dogma at the door. This book is a guide through how to integrate Apple products in your environment with a minimum of friction. Because the Apple ecosystem is not going away. You'll start by understanding where Apple, third-party software vendors, and the IT community is taking us. What is Mobile Device Management and how does it work under the hood. By understanding how MDM works, you will understand what needs to happen on your networks in order to allow for MDM, as well as the best way to give the least amount of access to the servers or services that's necessary. You'll then look at management agents that do not include MDM, as well as when you will need to use an agent as opposed to when to use other options. Once you can install a management solution, you can deploy profiles on a device or you can deploy profiles on Macs using scripts. With Apple Device Management as your guide, you'll customize and package software for deployment and lock down devices so they're completely secure. You'll also work on getting standard QA environments built out, so you can test more effectively with less effort. Apple is forging their own path in IT. They trade spots with Amazon, Google, and Microsoft as the wealthiest company to ever exist. And they will not be constrained by 30 or more years of dogma in the IT industry. You can try to shoehorn Apple devices into outdated modes of device management, or you can embrace Apple's stance on management with the help of this book. What You'll Learn Deploy profiles across devices effectively and securely Install apps remotely both from the app store and through custom solutions Work natively with Apple environments rather than retrofitting older IT solutions Who This Book Is For Mac administrators within organizations that want to integrate with the current Apple ecosystem, including Windows administrators learning how to use/manage Macs, mobile administrators working with iPhones and iPads, and mobile developers tasked with creating custom apps for internal, corporate distribution.

**Middleware Solutions for Wireless Internet of Things** Oct 02 2020 The proliferation of powerful but cheap devices, together with the availability of a plethora of wireless technologies, has pushed for the spread of the Wireless Internet of Things (WIoT), which is typically much more heterogeneous, dynamic, and general-purpose if compared with the traditional IoT. The WIoT is characterized by the dynamic interaction of traditional infrastructure-side devices, e.g., sensors and actuators, provided by municipalities in Smart City infrastructures, and other portable and more opportunistic ones, such as mobile smartphones, opportunistically integrated to dynamically extend and enhance the WIoT environment. A key enabler of this vision is the advancement of software and middleware technologies in various mobile-related sectors, ranging from the effective synergic management of wireless communications to mobility/adaptivity support in operating systems and differentiated integration and management of devices with heterogeneous capabilities in middleware, from horizontal support to crowdsourcing in different application domains to dynamic offloading to cloud resources, only to mention a few. The book presents state-of-the-art contributions in the articulated WIoT area by providing novel insights about the development and adoption of middleware solutions to enable the WIoT vision in a wide spectrum of heterogeneous scenarios, ranging from industrial environments to educational devices. The presented solutions provide readers with differentiated point of views, by demonstrating how the WIoT vision can be applied to several aspects of our daily life in a pervasive manner.

[Advanced Research on Cloud Computing Design and Applications](#) Jun 29 2020 Modern society requires a specialized, persistent approach to IT service delivery. Cloud computing offers the most logical answer through a highly dynamic and virtualized resource made available by an increasing number of service providers. Advanced Research on Cloud Computing Design and Applications shares the latest high quality research results on cloud computing and explores the broad applicability and scope of these trends on an international scale, venturing into the hot-button issue of IT services evolution and what we need to do to be prepared for future developments in cloud computing. This book is an essential reference source for researchers and practitioners in the field of cloud computing, as well as a guide for students, academics, or anyone seeking to learn more about advancement in IT services. This publication features chapters covering a broad range of relevant topics, including cloud computing for e-government, cloud computing in the public sector, security in the cloud, hybrid clouds and outsourced data, IT service personalization, and supply chain in the cloud.

**Web, Artificial Intelligence and Network Applications** Mar 07 2021 This proceedings book presents the latest research findings, and theoretical and practical perspectives on innovative methods and development techniques related to the emerging areas of Web computing, intelligent systems and Internet computing. The Web has become an important source of information, and techniques and methodologies that extract quality information are of paramount importance for many Web and Internet applications. Data mining and knowledge discovery play a key role in many of today's major Web applications, such as e-commerce and computer security. Moreover, Web services provide a new platform for enabling service-oriented systems. The emergence of large-scale distributed computing paradigms, such as cloud computing and mobile computing systems, has opened many opportunities for collaboration services, which are at the core of any information system. Artificial intelligence (AI) is an area of computer science that builds intelligent systems and algorithms that work and react like humans. AI techniques and computational intelligence are powerful tools for learning, adaptation, reasoning and planning, and they have the potential to become enabling technologies for future intelligent networks. Research in the field of intelligent systems, robotics, neuroscience, artificial intelligence and cognitive sciences is vital for the future development and innovation of Web and Internet applications. Chapter "An Event-Driven Multi Agent System for Scalable Traffic Optimization" is available open access under a Creative Commons Attribution 4.0 International License via [link.springer.com](http://link.springer.com).

*CWNA Certified Wireless Network Administrator Official Deluxe Study Guide* Dec 24 2019 Complete CWNA-106 prep, with full coverage and hands-on practice CWNA Certified Wireless Network Administrator Deluxe Study Guide is your official study guide for the leading wireless certification program. Updated for the new CWNA-106 exam, this book provides coverage of all exam objectives, plus review questions and hands-on exercises that help you build your skills and your confidence before exam day. Start with a pre-assessment test to

find out how much you already know, then fill in the gaps with detailed coverage of radio frequency technology, regulations and standards, protocols and devices, network implementation and security, RF site surveying, and much more. Sybex's interactive online learning environment and test bank gives you access to hundreds of questions and robust study tools, including chapter tests, practice exams, flashcards, a glossary of key terms, and bonus chapter material — all to help you prepare for and increase your chances of passing the exam the first time around. Find your starting point with a pre-assessment test Get up to speed on all CWNA-106 exam objectives Sharpen your practical skills with hands-on exercises Test your knowledge with practice exam questions Savvy candidates know that strategic prep is essential to first-time success, and CWNA Certified Wireless Network Administrator Deluxe Study Guide is your toolbox for building the next step in your wireless career.

**Designing Production-Grade and Large-Scale IoT Solutions** Jul 23 2022 Get to grips with key IoT aspects along with modern trends, architectures, and technologies that support IoT solutions, such as cloud computing, modern app architecture paradigms, and data analytics Key Features • Understand the big picture of designing production-grade IoT solutions from an industry expert • Get up and running with the development and designing aspects of the Internet of Things • Solve business problems specific to your domain using different IoT platforms and technologies Book Description With the rising demand for and recent enhancements in IoT, a developer with sound knowledge of IoT is the need of the hour. This book will help you design, build, and operate large-scale E2E IoT solutions to transform your business and products, increase revenue, and reduce operational costs. Starting with an overview of how IoT technologies can help you solve your business problems, this book will be a useful guide to helping you implement end-to-end IoT solution architecture. You'll learn to select IoT devices; real-time operating systems; IoT Edge covering Edge location, software, and hardware; and the best IoT connectivity for your IoT solution. As you progress, you'll work with IoT device management, IoT data analytics, IoT platforms, and put these components to work as part of your IoT solution. You'll also be able to build IoT backend cloud from scratch by leveraging the modern app architecture paradigms and cloud-native technologies such as containers and microservices. Finally, you'll discover best practices for different operational excellence pillars, including high availability, resiliency, reliability, security, cost optimization, and high performance, which should be applied for large-scale production-grade IoT solutions. By the end of this IoT book, you'll be confident in designing, building, and operating IoT solutions. What you will learn • Understand the detailed anatomy of IoT solutions and explore their building blocks • Explore IoT connectivity options and protocols used in designing IoT solutions • Understand the value of IoT platforms in building IoT solutions • Explore real-time operating systems used in microcontrollers • Automate device administration tasks with IoT device management • Master different architecture paradigms and decisions in IoT solutions • Build and gain insights from IoT analytics solutions • Get an overview of IoT solution operational excellence pillars Who this book is for This book is for E2E solution architects, systems and technical architects, and IoT developers looking to design, build, and operate E2E IoT applications and solutions. Basic knowledge of cloud computing, software engineering, and distributed system design will help you get the most out of this book.

**Enterprise Mobility Suite Managing BYOD and Company-Owned Devices** Oct 14 2021 Manage all the mobile devices your workforce relies on Learn how to use Microsoft's breakthrough Enterprise Mobility Suite to help securely manage all your BYOD and company-owned mobile devices: Windows, iOS, and Android. Two of the leading mobile device management experts at Microsoft show you how to systematically help protect employee privacy and corporate assets without compromising productivity. You'll find best practices, step-by-step guidance, and real-world scenarios for every stage of planning, design, deployment, and administration. Empower your mobile users while improving security and controlling costs Master proven best practices for centrally managing smartphones and tablets Plan mobile strategies that encompass users, devices, apps, and data Overcome BYOD's unique challenges, constraints, and compliance issues Provide common "hybrid" user identities and a seamless experience across all resources: on-premises, datacenter, and cloud Simplify and improve device enrollment, monitoring, and troubleshooting Help safeguard both corporate and personal information

**A Comprehensive Guide to Information Security Management and Audit** Sep 01 2020 The text is written to provide readers with a comprehensive study of information security and management system, audit planning and preparation, audit techniques and collecting evidence, international information security (ISO) standard 27001, and asset management. It further discusses important topics such as security mechanisms, security standards, audit principles, audit competence and evaluation methods, and the principles of asset management. It will serve as an ideal reference text for senior undergraduate, graduate students, and researchers in fields including electrical engineering, electronics and communications engineering, computer engineering, and information technology. The book explores information security concepts and applications from an organizational information perspective and explains the process of audit planning and preparation. It further demonstrates audit techniques and collecting evidence to write important documentation by following the ISO 27001 standards. The book- Elaborates on the application of confidentiality, integrity, and availability (CIA) in the area of audit planning and preparation. Covers topics such as managing business assets, agreements on how to deal with business assets, and media handling. Demonstrates audit techniques and collects evidence to write the important documentation by following the ISO 27001 standards. Explains how the organization's assets are managed by asset management, and access control policies. Presents seven case studies.

**Mobile Device Management** Aug 24 2022 Ing. Markus Pierer M.Sc. proves whether or not there is a generic valid system comparison approach for various individual specifications facilitating the selection process for organizations. He illustrates important basics of enterprise mobility management, realizes classification of mobile devices and accomplishes conceptual definitions. The author divides feature descriptions in categories, thus making various different systems comparable and consistent. This comparison aims at integrating mobile devices in the existing infrastructure of small and medium-sized enterprises.

**Learning Microsoft Endpoint Manager** Feb 06 2021 The first-ever book on Microsoft Endpoint Manager (MEM), written by Microsoft Program Manager Scott Duffey! Did you just land an IT job only to learn your new employer is using Microsoft Endpoint Manager (MEM) for device management? Perhaps you stretched the truth on your resume and suggested you knew it already? Maybe you are an old-hat, know-your-stuff device management pro for another MDM or PC management product but your company is now migrating? Whatever the case, this book will be your zero-to-hero ramp-up guide. Microsoft Endpoint Manager has rapidly become the tool of choice for IT professionals around the world for managing corporate and personal devices but the learning curve can be steep. This book can be used to fast-track your understanding of MEM by laying out the concepts, including examples and tips for the real world, along with guided lab exercises. Topics include: • Microsoft Endpoint Manager - What it is and how to use it • How to set up a MEM learning environment • Mobile Device Management (MDM) for iOS, macOS, Android, and Windows 10 devices with Microsoft Intune • Device enrollment concepts for Personal and Corporate devices including Windows Autopilot, Apple Automated Device Enrollment (ADE), and Google ZeroTouch • Endpoint Security configuration in MEM including device Compliance and Azure AD Conditional Access across Microsoft Intune, Configuration Manager, Azure AD, Microsoft Defender for Endpoint, and Office 365. • Deploying, protecting, and configuring mobile and desktop applications with Microsoft Intune.

**Deploying iPads in the Classroom** Dec 16 2021 Master the skills and knowledge to plan and execute a deployment of iPads that will suit your school and your classroom. This book helps you evaluate your various options for deploying iPads—from configuring the tablets manually, through using Apple Configurator for imaging tablets, to subscribing to the heavy-duty Apple School Manager web service—and then shows you how to put your chosen approach into practice. Step-by-step instructions and practical examples walk you through the key questions you need to answer to get the most from your IT investment and then show you how to turn your decisions into deeds. The iPad is a wonderful device for helping students to study more comfortably and learn more quickly. Apple's popular tablet enables you to put in each student's hands a full-power computer that enables her to access resources both on the school's network and on the Internet; communicate via email, instant messaging, and video chat; and create digital content that she can submit effortlessly to your online marking system. Students love using the iPad—perhaps even more than teachers do! What You'll Learn Plan your iPad deployment and choose the right iPad models, accessories, and apps Image, configure, and deploy iPads in your classroom Review tips, tricks, and techniques for managing iPads and keeping your digital classroom running smoothly Who This Book Is For Teachers and IT administrators at schools or colleges, and administrators and organizers in other bodies that need to deploy iPads en masse to conference attendees or hotel visitors

**Enterprise Mobility Strategy & Solutions** Sep 25 2022 Do you know that organizations and IT departments scramble to devise a good strategy for enterprise mobility? Surprisingly, only half of them have well-defined mobile strategies, confirms a recent survey of over six hundred companies by IBM. Now this is where a handbook for enterprise mobility can be instrumental for CIOs, CTOs, and IT decision-makers who look for creating robust enterprise mobile strategies and solutions. This book shares some of the practical cases related with enterprise mobility, which will be relevant and resourceful for enterprises seeking to get through their own obstacles and setbacks. It is divided into four major sections comprised of following: 1. The Mobility Revolution 2. Enterprise Mobility in the Workplace 3. The Scope of Enterprise Mobility 4. Other Aspects of Enterprise Mobility These sections further unfold into thirteen chapters. This book should also help you explore and understand the key aspects like mobile device management (MDM), BYOD, and mobile security. Precisely, it could be no less than a handbook for CIOs, CTOs, and organizations who want to enable enterprise mobility effectively.

**Bring Your Own Devices (BYOD) Survival Guide** Jan 25 2020 Where end-users once queued up to ask the IT department for permission to buy a new computer or a new version of software, they are now bypassing IT altogether and buying it on their own. From laptops and smartphones to iPads and virtually unlimited software apps, end-users have tasted their freedom and love it. IT will simply never be the same. Bri

**Enterprise Mobility with App Management, Office 365, and Threat Mitigation** Feb 18 2022 Enable employees to be productive and access data from any location or device Protect both corporate assets and employee privacy, so your people can be fully productive from any device, anywhere. Learn how to use Microsoft Intune to manage applications to satisfy your unique requirements, make the most of Mobile Device Management (MDM) for Office 365, and defend on-premises resources with Microsoft Advanced Threat Analytics (ATA). Plan, deploy, and deliver complete enterprise mobility while improving security Choose the right Microsoft enterprise mobility solution for your organization Protect apps and data with Microsoft Intune Mobile Application Management (MAM) Identify suspicious user or device activity in hybrid cloud/on-premises environments Prepare for and successfully implement Microsoft ATA Flexibly manage diverse mobile devices with MDM for Office 365 Configure access, define policies, enroll mobile devices, and manage compliance

**Mobile Computing Deployment and Management** Jan 17 2022 Mobile computing skills are becoming standard in the IT industry Mobile Computing Deployment and Management: Real World Skills for CompTIA Mobility+ Certification and Beyond is the ultimate reference for mobile computing. Certified Wireless Network Expert Robert J. Bartz guides IT and networking professionals through the fundamental and advanced concepts of mobile computing, providing the information and instruction necessary to get up to speed on current technology and best practices. The book maps to the CompTIA Mobility+ (MBO-001) exam, making it an ideal resource for those seeking this rewarding certification. The mobile device has already overshadowed the PC as a primary means for Internet access for a large portion of the world's population, and by 2020, there will be an estimated 10 billion mobile devices worldwide. Mobile connectivity has become the new standard for business professionals, and when combined with cloud computing, it creates a world where instant access is the norm. To remain relevant, IT professionals must hone their mobile skills. The ability to manage, develop, and secure a mobile infrastructure is quickly becoming a key component to entering the IT industry, and professionals lacking those skills will be left behind. This book covers all aspects of mobile computing, including: Radio frequency, antenna, and cellular technology Physical and logical infrastructure technologies Common mobile device policies and application management Standards and certifications, and more Each chapter includes hands-on exercises, real-world examples, and in-depth guidance from the perspective of a mobile computing expert. IT professionals looking to expand their capabilities need look no further than Mobile Computing Deployment and Management: Real World Skills for CompTIA Mobility+ Certification and Beyond for the most comprehensive approach to mobile computing on the market today.

**Knowledge-Based Software Engineering** Nov 03 2020 This book constitutes the refereed proceedings of the 11th Joint Conference on Knowledge-Based Software-Engineering, JCKBSE 2014, held in Volgograd, Russia, in September 2014. The 59 full and 3 short papers presented were carefully reviewed and selected from 197 submissions. The papers are organized in topical sections on methodology and tools for knowledge discovery and data mining; methods and tools for software engineering education; knowledge technologies for semantic web and ontology engineering; knowledge-based methods and tools for testing, verification and validation, maintenance and evolution; natural language processing, image analysis and recognition; knowledge-based methods and applications in information security, robotics and navigation; decision support methods for software engineering; architecture of knowledge-based systems, including intelligent agents and softbots; automating software design and synthesis; knowledge management for business processes, workflows and enterprise modeling; knowledge-based methods and applications in bioscience, medicine and justice; knowledge-based requirements engineering, domain analysis and modeling; intelligent user interfaces and human-machine interaction; lean software engineering; program understanding, programming knowledge, modeling programs and programmers.

**CWSP Certified Wireless Security Professional Study Guide** Sep 20 2019 The most detailed, comprehensive coverage of CWSP-205 exam objectives CWSP: Certified Wireless Security Professional Study Guide offers comprehensive preparation for the CWSP-205 exam. Fully updated to align with the new 2015 exam, this guide covers all exam objectives and gives you access to the Sybex interactive online learning system so you can go into the test fully confident in your skills. Coverage includes WLAN discovery, intrusion and attack, 802.11 protocol analysis, wireless intrusion prevention system implementation, Layer 2 and 3 VPN over 802.11 networks, managed endpoint security systems, and more. Content new to this edition features discussions about BYOD and guest access, as well as detailed and insightful guidance on troubleshooting. With more than double the coverage of the "official" exam guide, plus access to interactive learning tools, this book is your ultimate solution for CWSP-205 exam prep. The CWSP is the leading vendor-neutral security certification administered for IT professionals, developed for those working with and securing wireless networks. As an advanced certification, the

CWSP requires rigorous preparation — and this book provides more coverage and expert insight than any other source. Learn the ins and outs of advanced network security Study 100 percent of CWSP-205 objectives Test your understanding with two complete practice exams Gauge your level of preparedness with a pre-test assessment The CWSP is a springboard for more advanced certifications, and the premier qualification employers look for in the field. If you've already earned the CWTS and the CWNA, it's time to take your career to the next level. CWSP: Certified Wireless Security Professional Study Guide is your ideal companion for effective, efficient CWSP-205 preparation.

*IoT Solutions in Microsoft's Azure IoT Suite* Mar 19 2022 Collect and analyze sensor and usage data from Internet of Things applications with Microsoft Azure IoT Suite. Internet connectivity to everyday devices such as light bulbs, thermostats, and even voice-command devices such as Google Home and Amazon.com's Alexa is exploding. These connected devices and their respective applications generate large amounts of data that can be mined to enhance user-friendliness and make predictions about what a user might be likely to do next. Microsoft's Azure IoT Suite is a cloud-based platform that is ideal for collecting data from connected devices. You'll learn in this book about data acquisition and analysis, including real-time analysis. Real-world examples are provided to teach you to detect anomalous patterns in your data that might lead to business advantage. We live in a time when the amount of data being generated and stored is growing at an exponential rate. Understanding and getting real-time insight into these data is critical to business. IoT Solutions in Microsoft's Azure IoT Suite walks you through a complete, end-to-end journey of how to collect and store data from Internet-connected devices. You'll learn to analyze the data and to apply your results to solving real-world problems. Your customers will benefit from the increasingly capable and reliable applications that you'll be able to deploy to them. You and your business will benefit from the gains in insight and knowledge that can be applied to delight your customers and increase the value from their business. What You'll Learn Go through data generation, collection, and storage from sensors and devices, both relational and non-relational Understand, from end to end, Microsoft's analytic services and where they fit into the analytical ecosystem Look at the Internet of your things and find ways to discover and draw on the insights your data can provide Understand Microsoft's IoT technologies and services, and stitch them together for business insight and advantage Who This Book Is For Developers and architects who plan on delivering IoT solutions, data scientists who want to understand how to get better insights into their data, and anyone needing or wanting to do real-time analysis of data from the Internet of Things

**A Comprehensive Guide to Enterprise Mobility** Nov 15 2021 Although enterprise mobility is in high demand across domains, an absence of experts who have worked on enterprise mobility has resulted in a lack of books on the subject. A Comprehensive Guide to Enterprise Mobility fills this void. It supplies authoritative guidance on all aspects of enterprise mobility—from technical aspects and applications to

**WiMAX Monthly Newsletter June 2010** Jul 19 2019

*Mobile and Wireless Design Essentials* Jan 05 2021 Describes mobile and wireless design techniques from the developer's perspective, offering in-depth analysis of the complete range of network technologies Details development options for building Smart Client, Thin Client, and messaging applications as well as PIM (personal information management) and location-based services The author is an experienced trainer who leads seminars and workshops worldwide for iAnywhere Solutions, a subsidiary of Sybase

*End to End Security with z Systems* Aug 20 2019 This IBM® Redpaper™ provides a broad understanding of the components necessary to secure your IBM z Systems environment. It provides an end-to-end architectural reference document for a use case that employs both mobile and analytics. It also provides an end to end explanation of security on z Systems from the systems of record through the systems of engagement. Security is described in terms of transactions, covering what happens after a transaction hits the system of engagement and what needs to be in place from that moment forward. The audience for this paper is IT architects and those planning to use z Systems for their mobile and analytics environments.

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