

active directory mobile device management

Active Directory Mobile Device Management: Challenges and Opportunities in the Modern Workplace

Author: Dr. Anya Sharma, PhD in Information Security, CISSP, CISM, with 15 years of experience in enterprise IT security and mobile device management, currently a Senior Security Consultant at SecureTech Solutions.

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Introduction: Navigating the Complexities of Active Directory Mobile Device Management

The modern workplace is increasingly mobile. Employees rely on smartphones, tablets, and laptops to access corporate resources, collaborate with colleagues, and serve clients. This mobility, however, introduces significant security and management challenges. Active Directory Mobile Device Management (AD MDM) emerges as a critical solution, integrating mobile device management with the familiar and established Active Directory infrastructure. This article will delve into the intricacies of AD MDM, examining its capabilities, challenges, and the opportunities it presents for organizations striving for a secure and productive mobile workforce.

Understanding Active Directory Mobile Device Management

Active Directory, Microsoft's directory service, has long been the backbone of many enterprise networks. Extending its reach to mobile devices via AD MDM allows organizations to leverage existing infrastructure and policies to manage and secure mobile assets. AD MDM provides a centralized platform to:

- Enrol and Manage Devices: Onboard devices, assign policies, and track device location and status.
- Implement Security Policies: Enforce password complexity, device encryption, and remote wipe capabilities.
- Control Access to Resources: Restrict access to corporate data and applications based on device compliance.
- Distribute and Manage Applications: Deploy and update corporate applications on enrolled devices.

Monitor Device Health: Track battery life, storage capacity, and other vital device metrics.

AD MDM relies heavily on the integration of Active Directory Certificate Services (AD CS) for secure device authentication and communication. This integration simplifies the management process, reducing the need for separate management consoles and simplifying the deployment of security policies.

The Opportunities Presented by Active Directory Mobile Device Management

The adoption of AD MDM unlocks several key opportunities for organizations:

Enhanced Security: Centralized policy management, secure authentication, and data protection measures significantly reduce the risk of data breaches and security vulnerabilities associated with mobile devices.

Improved Productivity: Streamlined device management and access to corporate resources improves employee productivity by simplifying workflows and reducing IT support requests.

Simplified Management: Leveraging existing Active Directory infrastructure reduces the complexity and cost of managing a diverse range of mobile devices.

Better Compliance: AD MDM helps organizations meet industry regulations and compliance requirements by implementing standardized security policies and tracking device usage.

Support for BYOD: With appropriate policies and controls, AD MDM can securely accommodate Bring Your Own Device (BYOD) initiatives, allowing employees to use their personal devices for work purposes.

The Challenges in Implementing Active Directory Mobile Device Management

Despite its numerous advantages, AD MDM presents several challenges:

Complexity of Integration: Integrating AD MDM with existing Active Directory infrastructure can be complex and requires specialized expertise. Proper planning and testing are crucial to avoid disruptions.

Limited Device Support: While AD MDM supports a range of devices, full compatibility and functionality may vary across different operating systems (iOS, Android, Windows).

Scalability Issues: Managing a large number of devices can strain the Active Directory infrastructure and require significant resources.

Security Concerns: Even with AD MDM, organizations must address potential security vulnerabilities and regularly update security policies to mitigate emerging threats.

User Adoption: Ensuring user adoption of MDM policies and procedures requires clear communication, training, and a focus on user experience. Resistance from employees can hinder the success of the initiative.

Keeping up with updates: The mobile landscape changes quickly, with frequent OS updates and new security threats. Keeping AD MDM up-to-date and adapting to these changes requires ongoing effort.

Addressing the Challenges and Maximizing Opportunities

Successfully implementing AD MDM requires careful planning, thorough testing, and ongoing maintenance. Organizations should:

Develop a comprehensive MDM strategy: Define clear goals, identify target devices, and establish robust security policies.

Invest in appropriate infrastructure: Ensure that the Active Directory infrastructure is capable of handling the load and that necessary network bandwidth is available.

Provide adequate training and support: Educate users on the benefits of MDM and provide assistance with enrollment and troubleshooting.

Monitor and assess regularly: Continuously monitor device compliance, security posture, and user experience to identify and address potential issues.

Stay updated on the latest developments: Keep abreast of new features, security updates, and best practices in mobile device management.

Conclusion

Active Directory Mobile Device Management offers significant opportunities for organizations to enhance security, improve productivity, and simplify the management of mobile devices. While challenges related to integration, scalability, and user adoption exist, careful planning, investment in appropriate infrastructure, and ongoing maintenance can mitigate these risks. By adopting a proactive and well-informed approach, organizations can leverage AD MDM to fully realize the benefits of a secure and productive mobile workforce.

FAQs

1. What is the difference between MDM and EMM? MDM (Mobile Device Management) focuses primarily on device security and management. EMM (Enterprise Mobility Management) is a broader term that encompasses MDM plus additional capabilities like application management, data loss prevention, and mobile application development.
1. Does AD MDM support all mobile operating systems? While AD MDM supports a range of devices, the level of support and features available can vary based on the operating system (iOS, Android, Windows).
1. How can I ensure user adoption of AD MDM? Clear communication, comprehensive training, and a focus on user experience are crucial for successful user adoption.
1. What are the key security considerations for AD MDM? Key security considerations include strong authentication mechanisms, device encryption, data loss prevention, and regular security updates.

1. How can I troubleshoot common AD MDM issues? Thorough logging and monitoring, along with detailed documentation, can help in troubleshooting common issues. Microsoft's support resources are also valuable.
1. What are the costs associated with implementing AD MDM? Costs involve software licensing, infrastructure upgrades, training, and ongoing maintenance.
1. Can AD MDM support Bring Your Own Device (BYOD) policies? Yes, AD MDM can support BYOD policies with the implementation of appropriate security and access controls.
1. How does AD MDM integrate with other enterprise systems? AD MDM integrates seamlessly with existing Active Directory infrastructure and can often integrate with other enterprise systems like Exchange and SharePoint.
1. What are the compliance requirements related to AD MDM? Compliance requirements vary depending on industry and region, but often involve data security, privacy, and access control regulations.

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active directory mobile device management: Enterprise Mobility with App Management, Office 365, and Threat Mitigation Yuri Diogenes, Jeff Gilbert, Robert Mazzoli, 2016-01-13 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

active directory mobile device management: Microsoft Azure Architect Technologies: Exam Guide AZ-300 Sjoukje Zaal, 2020-01-16 Become a certified Azure Architect and learn to design effective solutions that span compute, security, networking, and development Key Features Learn to successfully design and architect powerful and cost-effective solutions on Microsoft Azure Prepare to gain AZ-300 certification with the help of mock tests and practice questions Enhance your computing, networking, storage, and security skills to design modern cloud-based solutions Book Description From designing solutions on Azure to configuring and

managing virtual networks, AZ-300 certification can help you achieve all this and more. Whether you want to get certified or gain hands-on experience in administering, developing, and architecting Azure solutions, this study guide will help you get started. The book features not only the different exam objectives, but also guides you through configuring, managing, securing, and architecting Azure resources. Divided into five modules, this book will systematically take you through the different concepts and features as you advance through the sections. The first module demonstrates how to deploy and configure infrastructure. You will cover techniques related to implementing workloads and security, before learning how to create and deploy apps in the next module. To build on your knowledge, the final two modules will get you up to speed with implementing authentication, data security, and application and platform monitoring, along with covering Azure storage, alerting, and automation strategies. Finally, you'll work through exam-based mock tests with answers to boost your confidence in passing the exam. By the end of this book, you'll have learned the concepts and techniques you need to know in order to prepare for the AZ-300 exam, along with the skills to design effective solutions on Microsoft Azure. What you will learn

- Manage Azure subscriptions and resources
- Understand how to migrate servers to Azure
- Configure and manage virtual networks
- Monitor and troubleshoot virtual network connectivity
- Manage Azure Active Directory (Azure AD)
- Connect and implement multi-factor authentication
- Implement and manage hybrid identities
- Develop solutions that use Cosmos DB and the Azure SQL Database
- Get to grips with implementing secure data solutions

Who this book is for This book is for solution architects and experienced developers who advise stakeholders and translate business requirements into secure, scalable, and reliable solutions. Technical architects interested in learning more about designing cloud solutions will also find this book useful. Some experience and knowledge of various aspects of IT operations, including networking, security, business continuity, disaster recovery, budgeting, and governance are required to grasp the concepts covered in the book effectively.

active directory mobile device management: MCA Modern Desktop Administrator Study Guide with Online Labs William Panek, 2020-10-27 Virtual, hands-on learning labs allow you to apply your technical skills using live hardware and software hosted in the cloud. So Sybex has bundled Microsoft 365 Certified Associate (MCA) Modern Desktop from Practice Labs, the IT Competency Hub, with our popular MCA Modern Desktop Administrator Study Guide: Exam MD-100. Working in these labs gives you the same experience you need to prepare for the Microsoft 365 Certified Associate (MCA) Modern Desktop MD-100 that you would face in a real-life setting. Used in addition to the book, the labs are a proven way to prepare for the certification and for work in the Windows IT professional field. The new Microsoft 365 Certified Associate (MCA) Modern Desktop certification exam measures a candidate's ability to deploy Windows, manage devices and data, configure connectivity, and maintain Windows. MCA certification, sought by a growing number of employers, is an important part of any IT professional's resume. The MCA Modern Desktop Administrator Study Guide: Exam MD-100 is a must-have book for anyone preparing for certification. This clear and accurate study guide covers 100% of exam objectives—providing hands-on exercises, challenging review questions, full explanations, and real-world examples to deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. Access to Sybex's comprehensive online learning environment—comprising a self-assessment test, a bonus practice exam, flashcards, a searchable glossary, and chapter exercise videos—is included to fully prepare for exam day. This study guide:

- Covers all Exam: MD-100 objectives
- Prepares readers to implement, install, and configure Windows 10
- Reinforces comprehension and retention of central exam topics
- Helps readers learn new skills or upgrade existing skills to Microsoft's latest desktop client

Demand for competent IT professionals is already high and continues to grow at a rapid pace. The MCA Modern Desktop Administrator Study Guide: Exam MD-100 is a valuable resource for preparing for the new Exam MD-100 and MCA certification. And with this edition you also get Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs Microsoft 365 Certified Associate (MCA) Modern Desktop Labs with 29 unique lab modules to practice your skills.

active directory mobile device management: CWSP Certified Wireless Security

Professional Study Guide David D. Coleman, David A. Westcott, Bryan E. Harkins, 2016-09-26 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.

active directory mobile device management: Securing Office 365 Matthew Katzer, 2019-01-24 Understand common security pitfalls and discover weak points in your organization’s data security, and what you can do to combat them. This book includes the best approaches to managing mobile devices both on your local network and outside the office. Data breaches, compliance fines, and distribution of personally identifiable information (PII) without encryption or safeguards place businesses of all types at risk. In today’s electronic world, you must have a secure digital footprint that is based on business processes that are designed to protect information. This book is written for business owners, chief information security officers (CISO), and IT managers who want to securely configure Office 365. You will follow the Microsoft cybersecurity road map through a progressive tutorial on how to configure the security services in Office 365 to protect and manage your business. What You’ll Learn Manage security with the Azure Security Center and the Office 365 Compliance Center Configure information protection for document and electronic communications Monitor security for your business in the cloud Understand Mobile Application Management (MAM) and Mobile Device Management (MDM) Prevent data loss in Office 365 Configure and manage the compliance manager tools for NIST and GDPR Who This Book Is For IT managers and compliance and cybersecurity officers who have responsibility for compliance and data security in their business

active directory mobile device management: Mastering System Center Configuration Manager Santos Martinez, Peter Daalmans, Brett Bennett, 2016-12-29 Get up to date quickly with clear, expert coverage of SCCM 2016 Mastering System Center Configuration Manager provides comprehensive coverage of Microsoft's powerful network software deployment tool, with a practical hands-on approach. Written by Santos Martinez, Peter Daalmans, and Brett Bennett, this guide walks you through SCCM 2016 with in-depth explanations anchored in real-world applications to get you up to speed quickly. Whether you're planning a new installation or migrating from a previous version of Configuration Manager, this book provides clear instruction and expert insight to get the job done right. Fully aligned with the latest release, the discussion covers the newest tools and features with examples that illustrate utility in a variety of contexts. System Center Configuration Manager (formerly SMS) is one of Microsoft's flagship products; the 2016 release has been updated with better Windows 10 and Windows Server 2016 compatibility, improved tools for managing non-Microsoft mobile devices in the cloud, and more. This book provides start-to-finish coverage and

expert guidance on everything you need to get your system up to date. Deploy software and operating systems Automate processes and customize configurations Monitor performance and troubleshoot issues Manage security in the cloud and on Virtual Machines SCCM 2016 improves your ability to handle the bring-your-own-device influx in managing mobile, streamlining the latest hiccup right into the everyday workflow. Mastering System Center Configuration Manager provides the practical coverage you need to get up and running seamlessly.

active directory mobile device management: CWNA Certified Wireless Network Administrator Official Deluxe Study Guide David D. Coleman, David A. Westcott, 2015-03-09 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.

active directory mobile device management: CompTIA A+ Complete Study Guide Quentin Docter, Jon Buhagiar, 2022-03-17 The Fifth Edition of the CompTIA A+ Complete Study Guide: Core 1 Exam 220-1101 and Core 2 Exam 220-1102 offers accessible and essential test preparation material for the popular A+ certification. Providing full coverage of all A+ exam objectives and competencies covered on the latest Core 1 and Core 2 exams, the book ensures you'll have the skills and knowledge to confidently succeed on the test and in the field as a new or early-career computer technician. The book presents material on mobile devices, hardware, networking, virtualization and cloud computing, network, hardware, and software troubleshooting, operating systems, security, and operational procedures. Comprehensive discussions of all areas covered by the exams will give you a head start as you begin your career as a computer technician. This new edition also offers: Accessible and easy-to-follow organization perfect to prepare you for one of the most popular certification exams on the market today Opportunities to practice skills that are in extraordinary demand in the IT industry Access to the Sybex online test bank, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms, all supported by Wiley's support agents who are available 24x7 via email or live chat to assist with access and login questions Perfect for anyone prepping for the Core 1 and Core 2 A+ exams, CompTIA A+ Complete Study Guide: Core 1 Exam 220-1101 and Core 2 Exam 220-1102 is a must-have resource for new and early-career computer technicians seeking to improve their skills and increase their efficacy in the field. And save 10% when you purchase your CompTIA exam voucher with our exclusive WILEY10 coupon code.

active directory mobile device management: Enterprise Mac Administrators Guide CHARLES EDGE, William Smith, 2015-11-28 Charles Edge and Bill Smith provide detailed explanations of the technology required for large-scale Mac OS X deployments and show you how to integrate it with other operating systems and applications. Now in its second edition, Enterprise Mac Administrator's Guide addresses the growing size and spread of Mac OS X deployments in corporations and institutions worldwide. In some cases, this is due to the growth of traditional Mac environments, but for the most part it has to do with organizations instituting device choice and switcher campaigns, where Windows and/or Linux environments are migrating to Mac OS X. There

is a steep culture shock with many of these migrations. The products that are used are different, the nomenclature is different, and most importantly the best practices for dealing with the operating system and updates are very different. Apple provides a number of tools to help automate and guide IT toward managing a large number of Mac OS X computers—it has since before Mac OS X was initially released. However, if you want to put together all of the pieces to tell a compelling story about how to run an IT department or a deployment of Macs, you need to compile information from a number of different sources. This book provides explanations of the technology required. What You'll Learn Choose a directory services model that works for your organization and integrate it into your existing model Choose an imaging model and begin imaging workstations with or without third-party products Use the Mac App Store and Apple's Volume Purchasing Program to deploy apps Leverage scripting techniques to reduce labor for the IT department Provide network services (file sharing, mobile home folders, messaging, etc.) to the Mac OS X clients Who This Book Is For System administrators and IT professionals who need to manage a large number of Mac OS X computers, be they Mac OS X-based servers or workstations. The assumption is that readers are somewhat familiar with Mac OS X and/or IT in general, but not that they are familiar with the Apple system internals, server services, or deployment techniques.

active directory mobile device management: Exam Ref MD-101 Managing Modern Desktops Andrew Bettany, Andrew Warren, 2021-11-01 Prepare for Microsoft Exam MD-101—and help demonstrate your real-world mastery of skills and knowledge required to manage modern Windows 10 desktops. Designed for Windows administrators, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level. Focus on the expertise measured by these objectives: • Deploy and upgrade operating systems • Manage policies and profiles • Manage and protect devices • Manage apps and data This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have experience deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment About the Exam Exam MD-101 focuses on knowledge needed to plan a Windows 10 deployment; plan and implement Windows 10 with Windows Autopilot and MDT; manage accounts, VPN connections, and certificates; implement device compliance policies; configure device profiles; manage user profiles; implement and manage device, application, and threat protection; manage Intune devices; monitor devices; manage updates; deploy/update applications; and implement Mobile Application Management (MAM). About Microsoft Certification Passing this exam and Exam MD-100: Windows 10 fulfills your requirements for the Microsoft 365 Certified: Modern Desktop Administrator Associate certification credential, demonstrating your ability to deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. See full details at: microsoft.com/learn

active directory mobile device management: Implementing Microsoft Azure Architect Technologies: AZ-303 Exam Prep and Beyond Brett Hargreaves, Sjoukje Zaal, 2020-12-18 Become a certified Azure Architect and learn how to design effective solutions that span compute, security, networking, and development Key Features Discover how you can design and architect powerful and cost-effective solutions on Microsoft Azure Prepare to achieve AZ-303 certification with the help of mock tests and practice questions Enhance your computing, networking, storage, and security skills to design modern cloud-based solutions Book Description From designing solutions on Azure to configuring and managing virtual networks, the AZ-303 certification validates your knowledge and skills for all this and much more. Whether you want to take the certification exam or gain hands-on experience in administering, developing, and architecting Azure solutions, this study guide will help you get started. Divided into four modules, this book systematically takes you through the wide range of concepts and features covered in the AZ-303 exam. The first module demonstrates how to implement and monitor infrastructure. You'll develop the skills required to deploy and manage core Azure components such as virtual machines, networking, storage, and Active Directory (AD). As you progress, you'll build on that knowledge and learn how to create resilient and secure applications before moving on to working with web apps, functions, and

containers. The final module will get you up to speed with data platforms such as SQL and Cosmos DB, including how to configure the different high availability options. Finally, you'll solve mock tests and assess yourself with the answers provided to get ready to take the exam with confidence. By the end of this book, you'll have learned the concepts and techniques you need to know to prepare for the AZ-303 exam and design effective solutions on Microsoft Azure. What you will learn

- Manage Azure subscriptions and resources
- Ensure governance and compliance with policies, roles, and blueprints
- Build, migrate, and protect servers in Azure
- Configure, monitor, and troubleshoot virtual networks
- Manage Azure AD and implement multi-factor authentication
- Configure hybrid integration with Azure AD Connect
- Find out how you can monitor costs, performance, and security
- Develop solutions that use Cosmos DB and Azure SQL Database

Who this book is for This book is for solution architects and experienced developers who advise stakeholders and translate business requirements into secure, scalable, and reliable solutions. Technical architects interested in learning more about designing cloud solutions will also find this book useful. Prior experience and knowledge of various aspects of IT operations, including networking, security, business continuity, disaster recovery, budgeting, and governance, will assist with understanding the concepts covered in the book.

active directory mobile device management: CompTIA A+ CertMike: Prepare. Practice. Pass the Test! Get Certified! Mike Chapple, Mark Soper, 2023-03-31 Skip the fluff and get straight to the essentials with an indispensable prep handbook for the CompTIA A+ Core 2 exam In *CompTIA A+ CertMike: Prepare. Practice. Pass the Test! Get Certified!* Core 2 Exam 220-1102, veteran tech experts and educators Mike Chapple and Mark Soper deliver a hands-on and practical roadmap to taking—and succeeding on—the CompTIA A+ Core 2 exam. You'll learn how to install, configure, and maintain computer equipment, mobile devices, and software for end users, service components based on customer requirements, understand networking basics, and apply essential cybersecurity methods. Ace the test using the proven CertMike approach: Prepare -- CertMike is your personal study coach, guiding you through all the exam objectives and helping you gain an understanding of how they apply to on-the-job tasks! Practice -- Each chapter includes two multiple choice practice questions. Work through the detailed explanations to evaluate each answer option and understand the reason for the best answer! Pass -- On exam day, use the critical knowledge you've learned when you're ready to take the test. You'll feel ready and confident to pass the exam and earn your certification! With a laser-focus on getting you job- and exam-ready, the book skips the fluff and gets right to the point of getting you familiar with IT basics and on the road to an in-demand IT certification and a new career in tech. You'll also get complimentary access to additional online study tools, complete with a bonus practice exam and audio recordings of the CertMike Exam Essentials. Banish test anxiety and feel ready to pass the test—the first time around! An indispensable resource for anyone preparing for their A+ certification, *CompTIA A+ CertMike: Prepare. Practice. Pass the Test! Get Certified!* Core 2 Exam 220-1102 is also a must-read for hardware and PC technicians seeking to upgrade their skillset.

active directory mobile device management: System Center 2012 Configuration Manager (SCCM) Unleashed Kerrie Meyler, Byron Holt, Marcus Oh, Jason Sandys, Greg Ramsey, 2012-07-16 This is the comprehensive reference and technical guide to Microsoft System Center Configuration Manager 2012. A team of expert authors offers step-by-step coverage of related topics in every feature area, organized to help IT professionals rapidly optimize Configuration Manager 2012 for their requirements, and then deploy and use it successfully. The authors begin by introducing Configuration Manager 2012 and its goals, and explaining how it fits into the broader System Center product suite. Next, they fully address planning, design, and implementation. Finally, they systematically cover each of Configuration Manager 2012's most important feature sets, addressing issues ranging from configuration management to software distribution. Readers will learn how to use Configuration Manager 2012's user-centric capabilities to provide anytime/anywhere services and software, and to strengthen both control and compliance. The first book on Configuration Manager 2012, *System Center Configuration Manager 2012 Unleashed* joins Sams' market-leading series of books on Microsoft's System Center product suite: books that have achieved go-to status

amongst IT implementers and administrators worldwide.

active directory mobile device management: Windows 10: Essentials for Administration

William Stanek, 2016-10-25 Expert advice for Windows 10 right at your fingertips. Includes updates for the Windows 10 anniversary edition! Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with Windows 10. If you're an IT Pro responsible for configuring, managing and maintaining computers running Windows 10, start with this well-organized and authoritative resource. Inside you'll find expert insights, tips, tricks and workarounds that will save time and help you get the job done by giving you the right information right now. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Topics covered include: Deploying and customizing the operating system Installing and maintaining universal apps Configuring Group Policy preferences and settings Provisioning and using device management Managing access and security Installing hardware devices and drivers Troubleshooting and resolving system issues And much, much more!!! Not only will this informative training manual help you become familiar with essential concepts, it'll help you reach new levels of mastery. This is the ideal concise, immediate answers reference you'll want with you at all times. Table of Contents About This Book 1. Welcome to Windows 10 Navigating Windows 10 Editions Deploying Windows 10 Setting up Out of the Box 2. Working with Windows 10 Exploring Key Features Getting to Know Windows 10 Running Windows 10 3. Implementing Device Management Getting Started with Microsoft Intune Getting Started with the Windows 10 ADK Working with Windows Imaging And Configuration Designer Creating and Deploying Provisioning Packages Provisioning Walkthrough: Upgrading to Mobile Enterprise Edition 4. Using Policy-based Management Configuring Domain-Joined Devices Implementing Policy-based Management Using Logon and Startup Policies Using Scripts in Policies Using Data Management Policies Using Networking Policies 5. Using Preferences for Management Working with Preferences Managing Preference Items 6. Fine-Tuning User Account Control Understanding UAC in Windows 10 Managing Elevation of Privileges Managing UAC for Apps 7. Creating and Configuring Accounts Local, Domain and Connected Accounts Creating User Accounts Configuring User Accounts 8. Maintaining Accounts Managing Local User Accounts and Groups Managing User Account Passwords Managing Stored Credentials 9. Supporting Windows 10 Essential Support Tools Managing System Time Configuring Internet Time Essential Maintenance Tools 10. Managing System Properties Optimizing Performance Options Managing Environment Variables Configuring Startup and Recovery Options Managing System Protection Settings 11. Optimizing Power Management Managing Battery Power Understanding Power Plans and Sleep Modes Configuring Power Options Managing Power Options from the Command Line Working with Power Plans Using Alarms and Configuring Alarm Actions 12. Configuring Hardware Managing Device Installation Working with Device Drivers Maintaining Devices and Drivers 13. Installing and Maintaining Universal Apps Working with Apps Maintaining Apps Optimizing App Security for the Enterprise 14. Maintaining Windows 10 Windows Update: The Essentials Working with Support Services Managing Services Using Preferences Detecting and Resolving Windows 10 Errors Scheduling Maintenance Tasks 15. Managing Data and Recovery Using File History Using Previous Versions Managing Failures Creating a Recovery Drive Using Restore Points for Recovery Troubleshooting Startup and Shutdown William Stanek has been developing expert solutions for and writing professionally about Microsoft Windows since 1995. In Windows 10: Essentials for Administration, William shares his extensive knowledge of the product.

active directory mobile device management: Wi-Fi Enabled Healthcare Ali Youssef, Douglas

McDonald II, Jon Linton, Bob Zemke, Aaron Earle, 2014-02-19 Focusing on its recent proliferation in hospital systems, Wi-Fi Enabled Healthcare explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications

for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture. It also outlines several options and design consideration for employee wireless coverage, voice over wireless (including smart phones), mobile medical devices, and wireless guest services. This book presents authoritative insight into the challenges that exist in adding Wi-Fi within a healthcare setting. It explores several solutions in each space along with design considerations and pros and cons. It also supplies an in-depth look at voice over wireless, mobile medical devices, and wireless guest services. The authors provide readers with the technical knowhow required to ensure their systems provide the reliable, end-to-end communications necessary to surmount today's challenges and capitalize on new opportunities. The shared experience and lessons learned provide essential guidance for large and small healthcare organizations in the United States and around the world. This book is an ideal reference for network design engineers and high-level hospital executives that are thinking about adding or improving upon Wi-Fi in their hospitals or hospital systems.

active directory mobile device management: *Mobile Computing Deployment and Management* Robert J. Bartz, 2015-02-24 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+ (MB0-001) 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.

active directory mobile device management: *Office 365: Migrating and Managing Your Business in the Cloud* Matthew Katzer, Don Crawford, 2014-01-23 Written for the IT professional and business owner, this book provides the business and technical insight necessary to migrate your business to the cloud using Microsoft Office 365. This is a practical look at cloud migration and the use of different technologies to support that migration. Numerous examples of cloud migration with technical migration details are included. Cloud technology is a tremendous opportunity for an organization to reduce IT costs, and to improve productivity with increased access, simpler administration and improved services. Those businesses that embrace the advantages of the cloud will receive huge rewards in productivity and lower total cost of ownership over those businesses that choose to ignore it. The challenge for those charged with implementing Microsoft Office 365 is to leverage these advantages with the minimal disruption of their organization. This book provides practical help in moving your business to the Cloud and covers the planning, migration and the follow on management of the Office 365 Cloud services. What you'll learn Overview of Microsoft Office 365's operation and usage for any size enterprise Methods of planning and migration Office 365 management best practices Using Office 365 SharePoint to improve business processes Troubleshooting Office 365 installations Using Compliance, eDiscovery and Data Loss Prevention

tools Office 365-site management best practices for IT administrators and business owners Who this book is for Small-enterprise IT professionals and business owners who have the admin responsibilities for their business-IT needs. These people need refined reference information on basic set-up and configuration for their Office 365 installations, as well as best-practice-driven instruction on managing and troubleshooting their systems. Table of Contents Chapter 1: What is Office 365 (Author Matt Katzer) Chapter 2: Using Office 365 (Author Matt Katzer) Chapter 3: Planning and Deployment (Author: Don Crawford) Chapter 4: Setup and Migration (Author Matt Katzer) Chapter 5: SharePoint Administration (Author Don Crawford) Chapter 6: Building Your Website (Author Matt Katzer) Chapter 7: Windows Intune Administration (Author Matt Katzer) Chapter 8: Office 365 Administration Guide Enterprise (Author Matt Katzer) Chapter 9: Office 365 Compliance and Data Loss Prevention (Author Matt Katzer) Chapter 10: Exchange Online Protection Administration (Author Matt Katzer) Chapter 11: DirSync, ADFS, Single Sign-On and Exchange Federation (Author Matt Katzer) Appendix A: Glossary of Terms

active directory mobile device management: *Apple Device Management* Charles Edge, Rich Trouton, 2019-12-17 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.

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Bertocci shows you how to: Address authentication challenges in the cloud or on-premises
Systematically protect apps with Azure AD and AD Federation Services Power sign-in flows with OpenID Connect, Azure AD, and AD libraries Make the most of OpenID Connect's middleware and supporting classes Work with the Azure AD representation of apps and their relationships Provide fine-grained app access control via roles, groups, and permissions Consume and expose Web APIs protected by Azure AD Understand new authentication protocols without reading complex spec documents

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active directory mobile device management: Security and Auditing of Smart Devices Sajay Rai, Philip Chukwuma, Richard Cozart, 2016-11-17 Most organizations have been caught off-guard with the proliferation of smart devices. The IT organization was comfortable supporting the Blackberry due to its ease of implementation and maintenance. But the use of Android and iOS smart devices have created a maintenance nightmare not only for the IT organization but for the IT auditors as well. This book will serve as a guide to IT and Audit professionals on how to manage, secure and audit smart device. It provides guidance on the handling of corporate devices and the Bring Your Own Devices (BYOD) smart devices.

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