

WINDOWS SERVER 2012 SECURITY FROM END TO EDGE AND BEYOND

Architecting, Designing, Planning, and
Deploying Windows Server 2012 Security Solutions

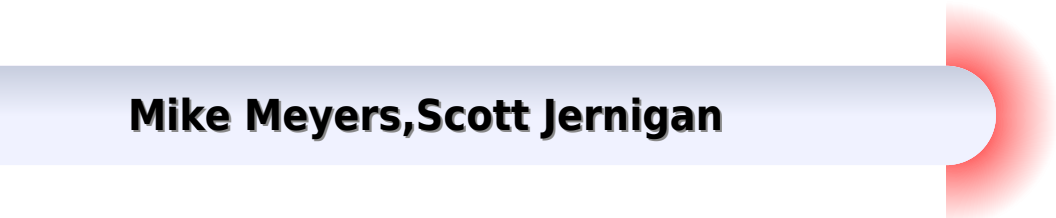


Thomas W. Shinder
Yuri Diogenes
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Windows Server 2012 Security Guide

Mike Meyers, Scott Jernigan



Windows Server 2012 Security Guide:

Windows Server 2012 Security from End to Edge and Beyond Yuri Diogenes, Debra Littlejohn Shinder, Thomas W Shinder, 2013-04-18 Windows Server 2012 Security from End to Edge and Beyond shows you how to architect design plan and deploy Microsoft security technologies for Windows 8 Server 2012 in the enterprise The book covers security technologies that apply to both client and server and enables you to identify and deploy Windows 8 security features in your systems based on different business and deployment scenarios The book is a single source for learning how to secure Windows 8 in many systems including core endpoint and anywhere access Authors Tom Shinder and Yuri Diogenes both Microsoft employees bring you insider knowledge of the Windows 8 platform discussing how to deploy Windows security technologies effectively in both the traditional datacenter and in new cloud based solutions With this book you will understand the conceptual underpinnings of Windows 8 security and how to deploy these features in a test lab and in pilot and production environments The book s revolutionary Test Lab Guide approach lets you test every subject in a predefined test lab environment This combined with conceptual and deployment guidance enables you to understand the technologies and move from lab to production faster than ever before Critical material is also presented in key concepts and scenario based approaches to evaluation planning deployment and management Videos illustrating the functionality in the Test Lab can be downloaded from the authors blog http://blogs.technet.com/b/security_talk Each chapter wraps up with a bullet list summary of key concepts discussed in the chapter Provides practical examples of how to design and deploy a world class security infrastructure to protect both Windows 8 and non Microsoft assets on your system Written by two Microsoft employees who provide an inside look at the security features of Windows 8 Test Lab Guides enable you to test everything before deploying live to your system [Windows Server 2012 Security from End to Edge and Beyond](#) Thomas Shinder, Yuri Diogenes, Debra Shinder, 2013 Windows Server 2012 Security from End to Edge and Beyond shows you how to architect design plan and deploy Microsoft security technologies for Windows 8 Server 2012 in the enterprise The book covers security technologies that apply to both client and server and enables you to identify and deploy Windows 8 security features in your systems based on different business and deployment scenarios The book is a single source for learning how to secure Windows 8 in many systems including core endpoint and anywhere access Authors Tom Shinder and Yuri Diogenes both Microsoft employees bring you insider knowledge of the Windows 8 platform discussing how to deploy Windows security technologies effectively in both the traditional datacenter and in new cloud based solutions With this book you will understand the conceptual underpinnings of Windows 8 security and how to deploy these features in a test lab and in pilot and production environments The book s revolutionary Test Lab Guide approach lets you test every subject in a predefined test lab environment This combined with conceptual and deployment guidance enables you to understand the technologies and move from lab to production faster than ever before Critical material is also presented in key concepts and scenario

based approaches to evaluation planning deployment and management Videos illustrating the functionality in the Test Lab can be downloaded from the authors blog http://blogs.technet.com/b/security_talk Each chapter wraps up with a bullet list summary of key concepts discussed in the chapter Provides practical examples of how to design and deploy a world class security infrastructure to protect both Windows 8 and non Microsoft assets on your system Written by two Microsoft employees who provide an inside look at the security features of Windows 8 Test Lab Guides enable you to test everything before deploying live to your system

Windows 2012 Server Network Security Derrick Rountree, 2013-03-19 Windows 2012 Server Network Security provides the most in depth guide to deploying and maintaining a secure Windows network The book drills down into all the new features of Windows 2012 and provides practical hands on methods for securing your Windows systems networks including Secure remote access Network vulnerabilities and mitigations DHCP installations configuration MAC filtering DNS server security WINS installation configuration Securing wired and wireless connections Windows personal firewall Remote desktop services Internet connection sharing Network diagnostics and troubleshooting Windows network security is of primary importance due to the sheer volume of data residing on Windows networks Windows 2012 Server Network Security provides network administrators with the most focused and in depth coverage of Windows network security threats along with methods and techniques for securing important mission critical networks and assets The book also covers Windows 8 Provides practical examples of how to secure your Windows network Focuses specifically on Windows network security rather than general concepts One of the first books to cover Windows Server 2012 network security

Administering Windows Server 2012 R2 Orin Thomas, 2014 Fully updated for Windows Server 2012 R2 Designed to help enterprise administrators develop real world job role specific skills this Training Guide focuses on core infrastructure administration for Windows Server 2012 R2 Build hands on expertise through a series of lessons exercises and suggested practices and help maximize your performance on the job This Microsoft Training Guide Focuses on job role specific expertise for core infrastructure administration tasks Fully updated for Windows Server 2012 R2 including new practices Provides in depth hands on training you take at your own pace Creates a foundation of skills which along with on the job experience can be measured by Microsoft Certification exams such as 70-411 Topics include Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering network policies Administering remote access Managing file services Monitoring and auditing Windows Server 2012 R2

Windows Server 2012 R2 Pocket Consultant Volume 2 William Stanek, 2014-01-15 Portable and precise this pocket sized guide delivers ready answers for administering storage security and networking features in Windows Server 2012 R2 Zero in on core tasks through quick reference tables instructions and lists You ll get the focused information you need to save time and get the job done whether at your desk or in the field Coverage includes Managing file systems and

drives Configuring storage Data sharing Managing TCP IP networking Running DHCP clients and servers Optimizing DNS Administering network printers and print services Security compliance and auditing Backup and recovery

Windows Server 2012 Unleashed Rand Morimoto, Michael Noel, Guy Yardeni, Omar Droubi, Andrew Abbate, Chris Amaris, 2012-09-10

This is the most comprehensive and realistic guide to Windows Server 2012 planning design prototyping implementation migration administration and support Extensively updated it contains unsurpassed independent and objective coverage of Windows Server 2012's key innovations including improved virtualization components enhanced security tools new web and management resources and Windows 8 integration Windows Server 2012 Unleashed reflects the authors extraordinary experience implementing Windows Server 2012 in large scale environments since its earliest alpha releases reaching back more than two years prior to its official launch Microsoft MVP Rand Morimoto and his colleagues fully address every aspect of deploying and operating Windows Server 2012 including Active Directory networking and core application services security migration from Windows Server 2003 2008 administration fault tolerance optimization troubleshooting and much more Valuable for Windows professionals at all skill levels this book will be especially indispensable for intermediate to advanced level professionals seeking expert in depth solutions Every chapter contains tips tricks best practices and lessons learned from actual deployments practical information for using Windows Server 2012 to solve real business problems Plan and migrate from Windows Server 2003 and 2008 Leverage powerful capabilities that are truly new in Windows Server 2012 Install Windows Server 2012 and the GUI less Windows Server Core Upgrade to Windows Server 2012 Active Directory Utilize advanced AD capabilities including federated forests and identity management Plan and deploy network services from DNS and DHCP to IPv6 IPAM and IIS Protect systems and data with server level security transport level security and security policies Deliver true end to end secured anytime anywhere access to remote mobile clients Efficiently configure and manage users sites OUs domains and forests through Server Manager console Create more fault tolerant environments with DFS clustering and Network Load Balancing Leverage major Hyper V virtualization improvements in availability redundancy and guest support Manage Active Directory more efficiently with Active Directory Administrative Center Best Practice Analyzer and PowerShell scripts Systematically tune optimize debug and troubleshoot Windows Server 2012

Training Guide Mitch Tulloch, 2014 Fully updated for Windows Server 2012 R2 Designed to help enterprise administrators develop real world job role specific skills this Training Guide focuses on deploying and managing core infrastructure services in Windows Server 2012 R2 Build hands on expertise through a series of lessons exercises and suggested practices and help maximize your performance on the job This Microsoft Training Guide Provides in depth hands on training you take at your own pace Focuses on job role specific expertise for deploying and managing core infrastructure services Creates a foundation of skills which along with on the job experience can be measured by Microsoft Certification exams such as 70 410 Topics include Preparing for Windows Server 2012 R2 Deploying servers Server remote management New Windows PowerShell capabilities

Deploying domain controllers Active Directory administration Network administration Advanced networking capabilities

Training Guide Configuring Advanced Windows Server 2012 R2 Services (MCSA) Orin Thomas, 2014 Fully updated for Windows Server 2012 R2 Designed to help enterprise administrators develop real world job role specific skills this Training Guide focuses on configuration of advanced services in Windows Server 2012 R2 Build hands on expertise through a series of lessons exercises and suggested practices and help maximize your performance on the job This Microsoft Training Guide Focuses on job role specific expertise for advanced configuration tasks Fully updated for Windows Server 2012 R2 including new practices Provides in depth hands on training you take at your own pace Creates a foundation of skills which along with on the job experience can be measured by Microsoft Certification exams such as 70 412 Topics include Advanced Active Directory Infrastructure Active Directory Sites and Replication Advanced DHCP and DNS Active Directory Certificate Services Backup and Recovery Advanced File Services and Storage High Availability Site Resilience Dynamic Access Control and Active Directory Rights Management Services Active Directory Federation Services Training Guide Installing and Configuring Windows Server 2012 R2 (MCSA) Mitch Tulloch, 2014-05-08 Fully updated for Windows Server 2012 R2 Designed to help enterprise administrators develop real world job role specific skills this Training Guide focuses on deploying and managing core infrastructure services in Windows Server 2012 R2 Build hands on expertise through a series of lessons exercises and suggested practices and help maximize your performance on the job This Microsoft Training Guide Provides in depth hands on training you take at your own pace Focuses on job role specific expertise for deploying and managing core infrastructure services Creates a foundation of skills which along with on the job experience can be measured by Microsoft Certification exams such as 70 410 Topics include Preparing for Windows Server 2012 R2 Deploying servers Server remote management New Windows PowerShell capabilities Deploying domain controllers Active Directory administration Network administration Advanced networking capabilities *Windows 2012 Server Network Security* Derrick Rountree, 2013-04-17 Windows 2012 Server Network Security provides the most in depth guide to deploying and maintaining a secure Windows network The book drills down into all the new features of Windows 2012 and provides practical hands on methods for securing your Windows systems networks including Secure remote access Network vulnerabilities and mitigations DHCP installations configuration MAC filtering DNS server security WINS installation configuration Securing wired and wireless connections Windows personal firewall Remote desktop services Internet connection sharing Network diagnostics and troubleshooting Windows network security is of primary importance due to the sheer volume of data residing on Windows networks Windows 2012 Server Network Security provides network administrators with the most focused and in depth coverage of Windows network security threats along with methods and techniques for securing important mission critical networks and assets The book also covers Windows 8 **Designing Hyper-V Solutions** Saurabh Grover, 2015-08-07 Deploy Microsoft Virtualization and VDI solutions using real world Hyper V configurations About This Book Get acquainted with the

basics of Windows Server Hyper V 2012 R2 and understand how to efficiently design a highly available virtualization solution Assess your physical server environment and understand the fundamentals of server consolidation and sizing of Hyper V hosts Design practical solutions for common design patterns with explanations of these design decisions Who This Book Is For This book is aimed at IT admins consultants and architects alike who wish to deploy manage and maintain Hyper V solutions in organizations of various sizes Readers are expected to have a working knowledge of managing Windows Servers and a fair understanding of networking and storage concepts What You Will Learn Set up independent and highly available clustered Hyper V hosts via GUI and PowerShell Acquire knowledge about Generation 1 and 2 Virtual Machines their creation and management and also look at the VM Conversion process Understand NIC Teaming Extensible Virtual Switch and other networking advancements Gain insight into virtual machine storage changes and its follow up benefits Discover backup and recovery patterns for Hyper V Familiarize yourself with the essentials of Hyper V Replica Leverage the benefits of Microsoft VDI In Detail The IT community has already experienced the benefits of server virtualization However they were limited to one option primarily until Microsoft released its flagship Hypervisor platform Windows Server Hyper V 2012 and R2 along with Hyper V Server 2012 and R2 present a cost effective yet robust virtualization solution to enterprises who wish to consolidate their physical server workloads or migrate their pre existing VMware workloads to Hyper V Hyper V has proven to be a stable and an economical virtualization solution and with its high availability live migration and new network virtualization and storage enhancement features enterprises will never feel the need to consider another alternative This book is a practical example oriented tutorial that will guide you through the basics and architecture of the Hyper V platform and thereafter help you understand how to build your Virtualization infrastructure from the ground up The book then goes on to focus on scalability and high availability aspects and trains you in setting up highly available Hyper V clusters and the live migration of virtual machines You will also learn about the advancements in virtual networking and storage in Windows Server 2012 After the implementation guidance the book then advises you on how to set up backup and recovery and how to prepare a disaster recovery plan via Hyper V Replica The book concludes with a good insight into Microsoft VDI implementation guidance Style and approach This is a handy and easy to follow guide that describes virtualization concepts and the Hyper V design approach Each topic is explained sequentially and is enhanced with real world scenarios practical examples screenshots and step by step explanations to help readers understand clearly

Mike Meyers' CompTIA Security+ Certification Guide (Exam SY0-401) Mike Meyers, 2015-07-30 An all new CompTIA Security exam guide from top CompTIA training and exam prep expert Mike Meyers In Mike Meyers CompTIA Security Certification Guide Exam SY0 401 the bestselling author and leading authority on CompTIA A certification brings his highly effective methodology to IT security for the first time Like the exam this book goes beyond knowledge application and is designed to ensure that security personnel anticipate security risks and guard against them Meyers in the trenches voice and the clarity of his explanations

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security breaches and other information assurance failures This practical resource explains how to integrate information assurance into your enterprise planning in a non technical manner It leads you through building an IT strategy and offers an organizational approach to identifying implementing and controlling information assurance initiatives for small businesses and global enterprises alike Common threats and vulnerabilities are described and applicable controls based on risk profiles are provided Practical information assurance application examples are presented for select industries including healthcare retail and industrial control systems Chapter ending critical thinking exercises reinforce the material covered An extensive list of scholarly works and international government standards is also provided in this detailed guide Comprehensive coverage includes Basic information assurance principles and concepts Information assurance management system Current practices regulations and plans Impact of organizational structure Asset management Risk management and mitigation Human resource assurance Advantages of certification accreditation and assurance Information assurance in system development and acquisition Physical and environmental security controls Information assurance awareness training and education Access control Information security monitoring tools and methods Information assurance measurements and metrics Incident handling and computer forensics Business continuity management Backup and restoration Cloud computing and outsourcing strategies Information assurance big data concerns

MCSA Windows Server 2012 R2 Installation and Configuration Study Guide William Panek,2015-01-20 Master Windows Server installation and configuration with hands on practice and interactive study aids for the MCSA Windows Server 2012 R2 exam 70 410 MCSA Windows Server 2012 R2 Installation and Configuration Study Guide Exam 70 410 provides complete preparation for exam 70 410 Installing and Configuring Windows Server 2012 R2 With comprehensive coverage of all exam topics and plenty of hands on practice this self paced guide is the ideal resource for those preparing for the MCSA on Windows Server 2012 R2 Real world scenarios demonstrate how the lessons are applied in everyday settings Readers also get access to the interactive practice tests electronic flashcards and video demonstration of the more difficult tasks which help readers fully understand the scope of principles at work Exam 70 410 is one of three exams MCSA candidates must take to obtain their MCSA Windows Server 2012 R2 The test is aligned with the 2012 update to the Windows server operating system and so is the book This study guide contains everything users need to know for the exam including the 2012 update s changes to Hyper V and Active Directory Avoid surprises on exam day and master the material while learning to Install and configure Windows Server 2012 R2 Configure Hyper V and server roles and features Install and administer Active Directory Manage Group Policy Exam prep is about more than passing the test it helps you gain hands on experience performing more complex operations giving you the confidence you need to successfully apply what you ve learned in a work environment If you re looking to triumph over the MCSA exam 70 410 MCSA Windows Server 2012 R2 Installation and Configuration Study Guide Exam 70 410 provides the information and practice you need

Using Windows Server Essentials 2012 Jim Clark,2013-01-31 Using Windows Server

2012 Essentials Step by Step is our comprehensive guide to Microsoft's ideal first server platform. Written specifically for home and small business owners new to servers or those migrating from Microsoft's Windows Home Server. Using Windows Server 2012 Essentials provides easy-to-follow steps for installing, configuring, and extending Windows Server 2012 Essentials at home or at the office. Fully illustrated with hundreds of colour screenshots, this 586-page eBook is designed to provide a friendly deep dive into the features and workings of Microsoft's server platform, no IT degree required. Author and Microsoft Most Valuable Professional Jim Clark walks you through first steps with your server, from the computer hardware you'll need to host Windows Server 2012 Essentials through installing the software, configuring user accounts and security settings, connecting client PCs, mobile devices, and Apple Macs. We take a look at backing up and restoring your vital data, sharing files and folders across multiple users and devices, accessing the server remotely via the web or VPN, streaming music, video, and photos, and a whole lot more. The eBook wraps up with a high-level guide to additional software you could consider installing to extend the Windows Server 2012 platform, as well as an introduction to advanced server management tools and features. Whether you're considering the use of a server at home or for your small business, thinking of moving from a Network Attached Storage device or back-up hard drive to a more powerful option, or simply whether you just want to find out more, Using Windows Server 2012 Essentials Step by Step has been written to answer all of your questions by non-IT geeks for non-IT geeks.

MCSA 70-410 Cert Guide R2 Don Poulton, David Camardella, 2014-09-12. Best-selling authors and expert instructors Don Poulton and David Camardella share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organised test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion CD contains the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customisation options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CD contains two free complete practice exams.

CompTIA Security+ Certification Study Guide, Second Edition (Exam SY0-401) Glen E. Clarke, 2014-07-11. The best fully integrated study system available for the CompTIA Security exam. Prepare for CompTIA Security Exam SY0-401 with McGraw-Hill Professional, a Platinum Level CompTIA Authorized Partner offering Authorized CompTIA Approved Quality Content to give you the competitive edge on exam day. With hundreds of practice exam questions, including new performance

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