

Windows Server 2016 Administration Fundamentals Deploy Set Up And Deliver Network Services With Windows Server While Preparing For The Mta 98 365 Exam And Pass It With Ease

Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's LINUX+ GUIDE TO LINUX CERTIFICATION, 4E. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewalld. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners practice new skills using both Fedora™ 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust LINUX+ GUIDE TO LINUX CERTIFICATION, 4E for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Learn the fundamentals of Windows Server 2016 system administration About This Video Windows Server 2016 and Active Directory systems administration fundamentals are essential skill sets in most IT jobs today This course is designed specifically for aspiring IT professionals with a proven hands-on teaching approach Taught by an experienced, best-selling instructor with over 40,000 students worldwide In Detail Are you looking to learn the basics of Windows Server 2016 system administration? If so, this is the perfect course for you! In this 8-hour course, I'll show you step-by-step, the fundamentals of Windows Server 2016, giving you a solid foundation of Microsoft's most popular server operating system using VirtualBox, a free virtualization software platform, to create your own virtualized lab at home. Throughout this course, you'll learn by doing, getting valuable hands-on experience, as we progress through the course. Specifically, you'll learn how to: Set-up a virtual LAN with VirtualBox Install Windows 10 and Windows Server 2016 as virtual machines How to navigate Windows Server 2016 Create and manage user and computer accounts in Active Directory Configure Windows Server 2016 as a DHCP server Windows Server DNS and name resolution fundamentals Configure Windows Server 2016 as an IIS web server Configure Windows Server 2016 as a print server Understand and create active directory groups and organizational units Understand and create group policies with Group Policy Objects (GPOs) Learn the fundamentals of NTFS and share permissions Set-up user quotas with File Server Resource Manager (FSRM) Enable Remote Desktop Protocol (RDP) for remote administration Utilize Windows Server Update Services (WSUS) to approve and deploy Windows updates to client systems Utilize Windows Server Backups to backup and restore data Learn to write basic PowerShell Active Directory commands If you're looking to advance or begin your career in Information Technology (IT), this course is a must! Once you complete this course, you'll have set-up your own Windows server as an Active Directory domain controller, DNS server, DHCP server, IIS web server, print server, file server, WSUS server, and much more, giving you a very solid understanding of system administration.

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An ideal text for introductory information security courses, the second edition of Elementary Information Security provides a comprehensive yet easy-to-understand introduction to the complex world of cyber security and technology. Thoroughly updated with recently reported cyber security incidents, this essential text enables students to gain direct experience by analyzing security problems and practicing simulated security activities. Emphasizing learning through experience, Elementary Information Security, Second Edition addresses technologies and cryptographic topics progressing from individual computers to more complex Internet-based systems.

Traditional Chinese Edition of [Sandworm: A New Era of Cyberwar and the Hunt for the Kremlin's Most Dangerous Hackers]

In this era where data and voice services are available at a push of a button, service providers have virtually limitless options for reaching their customers with value-added services. The changes in services and underlying networks that this always-on culture creates make it essential for service providers to understand the evolving business logic and appropriate support systems for service delivery, billing, and revenue assurance. Supplying an end-to-end understanding of telecom management layers, Fundamentals of EMS, NMS and OSS/BSS is a complete guide to telecom resource and service management basics. Divided into four sections: Element Management System, Network Management System, Operation/Business Support Systems, and Implementation Guidelines, the book examines standards, best practices, and the industries developing these systems. Each section starts with basics, details how the system fits into the telecom management framework, and concludes by introducing more complex concepts. From the initial efforts in managing elements to the latest management standards, the text: Covers the basics of network management, including legacy systems, management protocols, and popular products Deals with OSS/BSS—covering processes, applications, and interfaces in the service/business management layers Includes implementation guidelines for developing customized management solutions The book includes chapters devoted to popular market products and contains case studies that illustrate real-life implementations as well as the interaction between management layers. Complete with detailed references and lists of web resources to keep you current, this valuable resource supplies you with the fundamental understanding and the tools required to begin developing telecom management solutions tailored to your customer's needs.

Manage and administer your environment with ease About This Book Get your hands on learning the fundamentals to managing and administering Windows Server 2016. A step-by-step guide that will help you develop necessary skills and knowledge to manage an enterprise environment. Learn to implement strong networking and security practices into your Windows Server environment. Who This Book Is For If you are a System administrator or an IT professional interested in configuring and deploying Windows Server 2016 then, this book is for you. This book

will also help readers clear the MTA: Windows Server Administration Fundamentals: 98-365 exam. What You Will Learn Become familiar with Windows Server OS concepts Learn how to install Windows Server 2016 Learn how to install device drivers and run services in Windows Server 2016 Learn how to add and install roles in Windows Server 2016 Learn how to apply GPO to your Windows Server 2016 environment Learn how to tune, maintain, update, and troubleshoot Windows Server 2016 Prepare for the MTA 98-365 exam In Detail Windows Server 2016 is the server operating system developed by Microsoft as part of the Windows NT family of operating systems, developed concurrently with Windows 10. This book is designed to get you started with Windows Server 2016. It will prepare you for your MTA 98-365 exam. With step-by-step instructions driven by targeted, easy-to-understand graphics, you will be able to understand the roles, features, functions, and quirks of Windows Server 2016. The book begins with the basics of Windows Server 2016, which includes the installation process and basic configuration. You will then move on to roles and features such as Active Directory, Hyper-V, Remote Access, Storage, and Printer. With the help of real-world examples, you will get to grips with the fundamentals of Windows Server 2016, which will help you solve difficult tasks the easy way. Later, the book also shows you maintenance and troubleshooting tasks, where with the help of best practices you will be able to manage Windows Server 2016 with ease. Each chapter ends with a questionnaire to ensure you make the best use of the content provided. By the end of this book, you will have the knowledge required to administer and manage Windows Server environments. Style and approach With step-by-step instructions driven by targeted, easy-to-understand graphics, this book explains and shows you how to use the roles and features, functions, and quirks of the Windows Server 2016. The chapters are presented in a step by step format accompanied by graphics wherever applicable.

The in-depth, authoritative reference for intermediate to advanced IT professionals. Windows Server 2016: Domain Infrastructure by William Stanek provides solutions, workarounds, tips, and insights for IT pros working with Windows Server 2016. This exhaustive and comprehensive work provides a deep dive into the operating system that will teach you how to squeeze every last bit of power and make the most of the features and programs available. Inside this superbly organized guide, packed with expert advice, you'll find hundreds of timesaving solutions for managing and maintaining Windows Server 2016. Topics covered in this book include: Designing Active Directory Infrastructure Managing and maintaining Accounts Configuring Account Policies Troubleshooting and resetting Accounts Planning OUs, Domains and Forests Managing Operations Masters and Global Catalogs Delegating Authentication Managing Domain and Forest Trusts Managing Replication and Revising Site Design Diagnosing and Resolving Trusts and Authentication Issues Implementing Active Directory Domain Services Deploying Read-only Domain Controllers Monitoring and Troubleshooting Replication Creating and Managing GPOs Managing Group Policy Inheritance and Processing Maintaining and Troubleshooting Group Policy And Much, Much More!! This book, Windows Server 2016: Domain Infrastructure, is designed to be used with other volumes in the Tech Artisans Library for Windows Server 2016, which together provide a definitive resource for all of the core features and enhancements in the operating system. Windows Server expert William Stanek doesn't just show you the steps you need to follow, he tells you how features work, why you would want to configure them, and how you can optimize them to meet your needs. Windows Server 2016 is Microsoft's most powerful, versatile and fully featured operating system yet. Get this book and the others in the Tech Artisans Library to conquer it from the inside out. Table of Contents Introduction Chapter 1. Working with Domain User Accounts Chapter 2. Managing User and Service Accounts Chapter 3. Managing Groups and Computers Chapter 4. Active Directory Architecture: The Fundamentals Chapter 5. Creating and Updating Active Directory Designs Chapter 6. Understanding Authentication and Trusts Chapter 7. Planning Your Infrastructure Chapter 8. Implementing Domain Services Chapter 9. Managing OUs Chapter 10. Deploying Read-Only Domain Controllers Chapter 11. Working with Operations Master Chapter 12. Planning Active Directory Sites Chapter 13. Active Directory Site Administration Chapter 14. Implementing Group Policy Infrastructure Chapter 15. Optimizing Group Policy Index

GUIDE TO NETWORKING ESSENTIALS provides students with both the knowledge and hands-on skills necessary to work with network operating systems in a network administration environment. By focusing on troubleshooting and computer networking technologies, this book offers a comprehensive introduction to networking and to advances in software, wireless and network security. Challenge Labs and Hands-On Projects are directly integrated in each chapter to allow for a hands-on experience in the classroom. Updated content reflects the latest networking technologies and operating systems including new Ethernet standards, cloud computing, Windows 10, Windows Server 2016, and recent Linux distributions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks About This Book* Automate Windows server tasks with the powerful features of the PowerShell Language* Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell* Improve PowerShell's usability, and control and manage Windows-based environments by working through inviting recipes Who This Book Is For If you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected. What You Will Learn* Streamline routine administration processes* Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts* Use DSC to leverage Windows server features* Generate automatic reports that highlight unexpected changes in your environment* Monitor performance and report on system utilization using detailed graphs and analysis* Create and manage a reliable and redundant Hyper-V environment* Manage your enterprise's patch level* Utilize multiple tools and protocols to manage your environment In Detail This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares. The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers. Style and approach This is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.

Over 60 recipes to install, configure, and manage your IIS 10.0 About This Book* Provide a secure, easy-to-manage extensible platform for hosting your websites* Leverage IIS 10.0 in order to deploy web site in seconds* Integrate Windows and Nano Server 2016 and automate it with PowerShell* Recipes to Manage and monitor your IIS 10.0 Who This Book Is For If you are an

administrator or web developer with a basic (or no) knowledge of Microsoft IIS and want to set up your own web server, then this is the book for you. What You Will Learn* Integrate IIS 10.0 on Windows server 2016* Host multiple websites and Wildcard Host on IIS 10.0* Deploy and administrate IIS 10.0 on Nano Server.* IIS administration with Powershell.* Manage and troubleshoot IIS 10.0

In Detail This book will start with customizing your IIS 10 to various platforms/OS and tune it according to your business requirements. Moving on, we will focus on the functionalities of core fundamentals and perform practical scenarios in order to maximize the use of a reliable web server. Going further we will be covering topics like IIS 10 architecture, IIS modules, hosting web server platforms, virtual directories along with web site deployment, ports, enhanced security. We will also cover new features of IIS 10 like integration with Windows Server 2016 and Nano Server, HTTP/2, PowerShell 5 cmdlets etc . Towards the end, we will cover troubleshooting & diagnostic techniques of IIS 10. By the end of this book you will be well versed with maximizing the reliability of your webserver and will have immense knowledge in using IIS 10 effectively

Style and approach A set of exciting recipes on using Microsoft IIS 10.0 effectively..

- This is the latest practice test to pass the 98-365 Microsoft Windows Server Administration Fundamentals Exam. - It contains 394 Questions and Answers. - All the questions are 100% valid and stable. - You can reply on this practice test to pass the exam with a good mark and in the first attempt.

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This key text for the building team is an authoritative guide and gives a detailed account of the team's roles and responsibilities, with best industry practice required to ensure that building projects meet clients' expectations on time, cost and quality. The second edition of The Aqua Group Guide to Procurement, Tendering and Contract Administration has been edited, enlarged and updated by a high-profile author team with unparalleled experience of both private and public sectors, as well as of teaching on QS courses. It covers the entire building process from inception to final account and throughout, the emphasis is on current best practice. This edition has new material on the CDM regulations; JCT contracts; the RIBA Plan of Work; the RICS New Rules of Measurement; BIM; and Sustainability - as well as a general update for industry changes, especially on procurement; internationalisation; and PFI. With clear and thorough explanations, you are taken through self-contained chapters covering the detail of the briefing stage, procurement methods, tendering procedures, and contract administration. The period from starting a college course to successful completion of professional examinations represents a long and steep learning curve. The range of skills and the knowledge required to perform work efficiently and effectively might, at first, seem rather daunting. Although designed as an introductory textbook for undergraduates in construction, architecture and quantity surveying, The Aqua Group Guide offers an excellent overview of contract administration and will provide you with sufficient understanding to hold you in good stead for your early years in professional practice.

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The go-to MCSA prep guide, updated for Windows 10 and the new exams MCSA Windows 10 Complete Study Guide is your comprehensive resource for taking both Exams 70-698 and 70-697. Covering 100% of all exam objectives, this study guide goes beyond mere review to delve deeper into the complex topics and technologies to help you strengthen your understanding and sharpen your skills. Written by a veteran Microsoft MVP, this guide walks you through MCSA skills in context to show you how concepts are applied in real-world situations. Hands-on exercises speed the learning process and facilitate internalization, while review questions challenge and test the depth of your understanding. You also get access to the Sybex interactive online learning environment, featuring flashcards, videos, an assessment test, and bonus practice exams to face exam day with confidence. The MCSA certification process has changed; Exam 70-698 tests your skills in installing and configuring Windows 10, and then Exam 70-697 gauges your abilities in configuring Windows devices. This book is your ideal companion to study for both exams. Study 100 percent of the objectives for Exams 70-698 and 70-697 Apply your knowledge with hands-on exercises Test your skills with challenging review questions Access videos, electronic flashcards, a searchable glossary, and bonus practice exams The demand for qualified Windows 10 professionals will be high, as more than half of the corporate user base that skipped Windows 8/8.1 is expected to adopt Windows 10. If you want the skills that are in demand, you need to get certified; if you're ready to get serious about the exam, MCSA: Windows 10 Complete Study Guide is the resource you shouldn't be without.

Expert advice for Exchange Server 2016 and Exchange Online right at your fingertips. Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with on-premises, online and hybrid implementations of Microsoft Exchange. If you're an IT Pro responsible for configuring, managing and maintaining Exchange Server 2016 or Exchange Online, start with this well-organized and authoritative resource. Inside, you'll find expert insights, tips, tricks and workarounds that will show you how to master Exchange Server 2016 and Exchange Online in the shortest amount of time possible. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Topics include establishing remote sessions with Exchange Server 2016 and Exchange Online; creating mailbox-enabled user accounts; adding mailboxes to existing accounts; connecting to Exchange Online and Windows Azure using PowerShell; creating mail-enabled contacts; adding equipment, room and other special purpose mailboxes; moving, maintaining and repairing mailboxes; managing delivery restrictions, permissions and storage limits; managing address lists and distribution groups; configuring mail support for Outlook; customizing the Exchange Shell; configuring role-based Exchange permissions; and many more topics essential for Exchange administration. Not only will this informative training manual help you become familiar with many new ideas, it'll help you master Exchange Server 2016 and Exchange Online in the shortest amount of time possible. After completing your Exchange Server 2016 and Exchange Online journey with this in-depth guide, you will be ready to support Microsoft Exchange regardless of whether you are working in an on-premises, online or hybrid environment. As you will soon learn, Microsoft Exchange is versatile, flexible and highly customizable, allowing you to personalize the messaging system to meet your needs. Get the focused information you need to solve problems and get the job done.

Chinese translation of "The Lord of the Rings" The introduction volume (The Fellowship of the Ring)

The in-depth, authoritative reference for intermediate to advanced IT professionals. Windows Server 2016: Domain Infrastructure by William Stanek provides solutions, workarounds, tips, and insights for IT pros working with Windows Server 2016. This exhaustive and comprehensive work provides a deep dive into the operating system that will teach you how to squeeze every last

bit of power and make the most of the features and programs available. Inside this superbly organized guide, packed with expert advice, you'll find hundreds of timesaving solutions for managing and maintaining Windows Server 2016. Topics covered in this book include: Designing Active Directory Infrastructure Managing and maintaining Accounts Configuring Account Policies Troubleshooting and resetting Accounts Planning OUs, Domains and Forests Managing Operations Masters and Global Catalogs Delegating Authentication Managing Domain and Forest Trusts Managing Replication and Revising Site Design Diagnosing and Resolving Trusts and Authentication Issues Implementing Active Directory Domain Services Deploying Read-only Domain Controllers Monitoring and Troubleshooting Replication Creating and Managing GPOs Managing Group Policy Inheritance and Processing Maintaining and Troubleshooting Group Policy And Much, Much More!! This book, Windows Server 2016: Domain Infrastructure, is designed to be used with other volumes in the Tech Artisans Library for Windows Server 2016, which together provide a definitive resource for all of the core features and enhancements in the operating system. Windows Server expert William Stanek doesn't just show you the steps you need to follow, he tells you how features work, why you would want to configure them, and how you can optimize them to meet your needs. Windows Server 2016 is Microsoft's most powerful, versatile and fully featured operating system yet. Get this book and the others in the Tech Artisans Library to conquer it from the inside out.

The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Revised and updated to keep pace with this ever changing field, Security Strategies in Windows Platforms and Applications, Third Edition focuses on new risks, threats, and vulnerabilities associated with the Microsoft Windows operating system, placing a particular emphasis on Windows 10, and Windows Server 2016 and 2019. The Third Edition highlights how to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows operating systems and applications. The book also includes a resource for readers desiring more information on Microsoft Windows OS hardening, application security, and incident management. With its accessible writing style, and step-by-step examples, this must-have resource will ensure readers are educated on the latest Windows security strategies and techniques.

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Did you know, 91% of hiring managers consider certification as part of their hiring requirements? IT Professionals who are new to the industry need a strong foundational understanding of the fundamentals before moving on towards more challenging technology certifications. This book covers everything you need to know about understanding how to manage windows servers and storage along with monitoring and troubleshooting servers as well. Written to the Windows Server Administration Fundamentals MTA Certification, it is a recommended entry point into IT certification. This book covers the basics of Windows Server Administration. Each chapter closes with a quiz to make sure you can practice exam questions and test your knowledge before moving to the next section. We start by discussing what a server is and does by providing an in-depth overview including installation of Windows Server 2016. There are sections dedicated to the following: Performing configurations and managing your Windows Server, by configuring your IP address settings and managing devices and device drivers. Managing your storage, by identifying storage technologies, understanding disk structure, and using disk management tools. Monitoring and troubleshooting servers, by managing information technology, and understanding performance, backups and performing server repair. Overview of popular Windows network services and applications, like understanding remote access, server virtualization, and introducing remote administration. IT Professionals looking to understand more about Windows Server Administration will gain the knowledge to effectively install and manage a Windows Server including basic troubleshooting. Thanks to some troubleshooting tools and tips it will be easier to apply the skills in real world situations and feel confident when taking the certification.

"Updated to include Windows 10, 8.1, and 7 and Windows Server 2016 and 2012"--Cover.

Revised and updated with the latest data in the field, Fundamentals of Information Systems Security, Third Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transition to a digital world. Part 2 presents a high level overview of the Security+ Exam and provides students with information as they move toward this certification.

Over 60 recipes to install, configure, and manage your IIS 10.0 About This Book Provide a secure, easy-to-manage extensible platform for hosting your websites Leverage IIS 10.0 in order to deploy web site in seconds Integrate Windows and Nano Server 2016 and automate it with PowerShell Recipes to Manage and monitor your IIS 10.0 Who This Book Is For If you are an administrator or web developer with a basic (or no) knowledge of Microsoft IIS and want to set up your own web server, then this is the book for you. What You Will Learn Integrate IIS 10.0 on Windows server 2016 Host multiple websites and Wildcard Host on IIS 10.0 Deploy and administrate IIS 10.0 on Nano Server. IIS administration with Powershell. Manage and troubleshoot IIS 10.0 In Detail This book will start with customizing your IIS 10 to various platforms/OS and tune it according to your business requirements. Moving on, we will focus on the functionalities of core fundamentals and perform practical scenarios in order to maximize the use of a reliable web server. Going further we will be covering topics like IIS 10 architecture, IIS modules, hosting web server platforms, virtual directories along with web site deployment, ports, enhanced security. We will also cover new features of IIS 10 like integration with Windows Server 2016 and Nano Server, HTTP/2, PowerShell 5 cmdlets etc . Towards the end, we will cover troubleshooting & diagnostic techniques of IIS 10. By the end of this book you will be well versed with maximizing the reliability of your webserver and will have immense knowledge in using IIS 10 effectively Style and approach A set of exciting recipes on using Microsoft IIS 10.0 effectively..

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks About This Book Automate Windows server tasks with the powerful features of the PowerShell Language Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell Improve PowerShell's

usability, and control and manage Windows-based environments by working through inviting recipes Who This Book Is For If you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected. What You Will Learn Streamline routine administration processes Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts Use DSC to leverage Windows server features Generate automatic reports that highlight unexpected changes in your environment Monitor performance and report on system utilization using detailed graphs and analysis Create and manage a reliable and redundant Hyper-V environment Manage your enterprise's patch level Utilize multiple tools and protocols to manage your environment In Detail This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares. The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers. Style and approach This is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.

Offering a wealth of hands-on activities, MCSA Guide to Configuring Advanced Microsoft Windows Server 2012 /R2 Services, Exam 70-412 empowers students to successfully pass the MCSE/MCSA certification exam while preparing them to face the real-world challenges of a Microsoft networking professional. This engaging text equips readers with the skills necessary to configure advanced services and features in Windows Server 2012/R2. Comprehensive coverage includes advanced Active Directory configuration, advanced network services configuration, Dynamic Access Control (DAC) and IP Address Management (IPAM), server high availability and disaster recovery, and identity and access solutions, among other topics In addition, hands-on labs and skill-reinforcing case projects give students plenty of opportunity to put what they learn into real-world practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Delve inside Windows architecture and internals - and see how core components work behind the scenes. This classic guide has been fully updated for Windows 8.1 and Windows Server 2012 R2, and now presents its coverage in three volumes: Book 1, User Mode; Book 2, Kernel Mode; Book 3, Device Driver Models. In Book 1, you'll plumb Windows fundamentals, independent of platform - server, desktop, tablet, phone, Xbox. Coverage focuses on high-level functional descriptions of the various Windows components and features that interact with, or are manipulated by, user mode programs, or applications. You'll also examine management mechanisms and operating system components that are implemented in user mode, such as service processes. As always, you get critical insider perspectives on how Windows operates. And through hands-on experiments, you'll experience its internal behavior firsthand - knowledge you can apply to improve application design, debugging, system performance, and support. Planned chapters: Concepts & Tools; System Architecture; Windows Application Support; Windows Store Apps; Graphics & the Desktop; Management Mechanisms; User Mode Memory Management; Security; Storage; Networking; Hyper-V.

A comprehensive certification guide that will help you prepare for the exam from day one of your preparation journey Key Features Get well-versed with the nitty-gritty of Windows server 2016 A practical guide towards installing, upgrading, and migrating to Windows Server 2016 Enhance your skills with practice questions and mock tests Book Description MCSA: Windows Server 2016 is one of the most sought-after certifications for IT professionals which include working with Windows Server and performing administrative tasks around it. It targets Exam 70-740, Exam 70-741, Exam 70-742 and Exam 70-743 certifications and the demand for these certifications is increasingly high. This book will start with installation, upgrade and migration to Windows Server 2016, cover imaging and deployment and proceed with High Availability and Clustering. Then we will deep dive into fundamental concepts like Core networking, DNS, DHCP, Storage and proceed to Hyper-V, Network Access and Distributed File System. It will also explain Advanced Networking topics such as Software Defined Networking and High-Performance Networking. Furthermore, it will also cover advanced Identity topics in Windows Server 2016 such as Active Directory installation and configuration, Group Policy, Active Directory Certificate Services, and Active Directory Federation Services and Rights Management. Towards the end of this book, test questions and mock preparation items will help in preparing for the certifications with more ease. By the end of this book, you will be able to complete MCSA: Windows Server 2016 certification with more confidence. What you will learn Prepare for exam 70-741 Networking with Windows Server 2016 Learn to apply the technology to real-world examples Learn core networking, name resolution and connectivity technologies in Windows Server 2016. Get prepared for exam 70-742 Identity with Windows Server 2016 Get ways to clear the exam 70-743 Upgrading Your Skills to MCSA: Windows Server 2016 Practice critical skills and test your knowledge of the objectives of all three MCSA exams Who this book is for This book is targeted towards system administrators or windows server administrators who are interested in clearing the MCSA certification with ease.

It comes with book and CD.

A Sybex guide to Windows Security concepts, perfect for IT beginners Security is one of the most important components to every company's computer network. That's why the Security Fundamentals MTA Certification is so highly sought after. Filling IT positions is a top problem in today's businesses, so this certification could be your first step toward a stable and lucrative IT career. Security Fundamentals is your guide to developing a strong foundational understanding of Windows security, so you can take your IT career to the next level and feel confident going

into the certification exam. Security Fundamentals features approachable discussion of core security concepts and topics, and includes additional learning tutorials and tools. This book covers everything you need to know about security layers, authentication, authorization, security policies, and protecting your server and client. Each chapter closes with a quiz so you can test your knowledge before moving to the next section. Learn everything you need for the Security Fundamentals MTA Certification Understand core security principles, including security layers and network security Learn essential concepts in physical security, internet security, and wireless security Identify the different types of hardware firewalls and their characteristics Test your knowledge and practice for the exam with quiz questions in every chapter IT professionals looking to understand more about networking will gain the knowledge to effectively secure a client and server, and to confidently explain basic security concepts. Thanks to the tools and tips in this Sybex title, you will be able to apply your new IT security skills in real world situations and on exam day.

Expert advice for Windows Server 2016 right at your fingertips. Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with Windows Server 2016. If you're an IT Pro responsible for configuring, managing and maintaining computers running Windows Server 2016, 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: Using containers, virtualization and nano server Configuring server roles, services and features Managing and troubleshooting Active Directory Creating and managing user, group and computer accounts Monitoring and tuning performance Optimizing security settings, policies and templates 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 reference you'll want with you at all times.

Up-to-date Microsoft SQL Server 2016 skills made easy! Get up and running on Microsoft SQL Server 2016 in no time with help from this thoroughly revised, practical resource. The book offers thorough coverage of SQL management and development and features full details on the newest business intelligence, reporting, and security features. Filled with new real-world examples and hands-on exercises, Microsoft SQL Server 2016: A Beginner's Guide, Sixth Edition, starts by explaining fundamental relational database system concepts. From there, you will learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use the powerful analysis and BI tools. XML, spatial data, and full-text search are also covered in this step-by-step tutorial. · Revised from the ground up to cover the latest version of SQL Server · Ideal both as a self-study guide and a classroom textbook · Written by a prominent professor and best-selling author

Students who are beginning studies in technology need a strong foundation in the basics before moving on to more advanced technology courses and certification programs. The Microsoft Technology Associate (MTA) is a new and innovative certification track designed to provide a pathway for future success in technology courses and careers. The MTA program curriculum helps instructors teach and validate fundamental technology concepts and provides students with a foundation for their careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. Server fundamentals such as managing Windows Servers (including virtualization) and storage, along with monitoring and troubleshooting servers are included. It also covers such topics as essential naming, directory, and print services. Students also learn of popular Windows Network Services and Applications.

[Copyright: d7de7fb3c475647b68d16220a0e13f9a](https://www.pdfdrive.com/windows-server-2016-administration-fundamentals-deploy-set-up-and-deliver-network-services-with-windows-server-while-preparing-for-the-mta-98-365-exam-and-pass-it-with-ease.html)