

# Mastering Windows Server Networking Foundations

Microsoft Windows Server Networking Windows 2012 Server Network Security Windows Server 2019 Network Installation Guide Windows Server 2003 Networking Recipes Networking All-in-One For Dummies Networking For Dummies Microsoft System Center Building a Virtualized Network Solution Microsoft Windows Server 2008 Microsoft Windows Server Networking Livelessons Mastering Windows Server 2008 Networking Foundations Windows Server 2016 Security, Certificates, and Remote Access Cookbook Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure SOHO Networking Windows Server 2003 Network Administration Microsoft Windows Server 2008: A Beginner's Guide MCSE Guide to Planning a Microsoft Windows Server 2003 Network Network Maintenance Using Microsoft Windows Server 2003 70-741 Networking with Windows Server 2016 Planning a Microsoft 'Windows' Server 2003 Network Network Maintenance Using Microsoft Windows Server 2003 Ed Liberman Derrick Rountree Nicholas Rushton Robbie Allen Doug Lowe Doug Lowe Nigel Cain Barrie Sosinsky Ed Liberman Mark Minasi Jordan Krause Craig Zacker Pete Moulton Craig Hunt Marty Matthews Byron Hynes TAFESA Jennifer Guttormson Microsoft Windows Server Networking Windows 2012 Server Network Security Windows Server 2019 Network Installation Guide Windows Server 2003 Networking Recipes Networking All-in-One For Dummies Networking For Dummies Microsoft System Center Building a Virtualized Network Solution Microsoft Windows Server 2008 Microsoft Windows Server Networking Livelessons Mastering Windows Server 2008 Networking Foundations Windows Server 2016 Security, Certificates, and Remote Access Cookbook Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure SOHO Networking Windows Server 2003 Network Administration Microsoft Windows Server 2008: A Beginner's Guide MCSE Guide to Planning a Microsoft Windows Server 2003 Network Network Maintenance Using Microsoft Windows Server 2003 70-741 Networking with Windows Server 2016 Planning a Microsoft 'Windows' Server 2003 Network Network Maintenance Using Microsoft Windows Server 2003 Ed Liberman Derrick Rountree Nicholas Rushton Robbie Allen Doug Lowe Doug Lowe Nigel Cain Barrie Sosinsky Ed Liberman Mark Minasi Jordan Krause Craig Zacker Pete Moulton Craig Hunt Marty Matthews Byron Hynes TAFESA Jennifer Guttormson

this complete video course helps you build a solid understanding of networking in the

windows server environment hands on skills for real world success description one of the key ingredients to being a successful server administrator is to have a firm understanding of how networking works in the server environment these easy video tutorials are designed to help you quickly build an understanding of windows server 2012 networking services including dns dhcp nps ipv4 ipv6 and more world class networking instructor and consultant ed liberman starts by introducing the absolute basics of the osi networking model and the tcp ip protocol suite next he guides you through the basics of ip addressing and subnetting static and automatic tcp ip configuration dhcp and dns installation and management zones and name resolution and more he concludes by explaining how ipv6 overcomes the growing limitations of ipv4 networks how to get started with it and what you need to know to ensure compatibility between ipv4 and ipv6 skill level intermediate to advanced what you will learn essentials of the osi networking model and the tcp ip protocol suite how ip addresses work and how to work with them what subnets are and how to use them how to perform static or automatic tcp ip configuration how to install configure and manage dhcp and use it with dns and in routed networks how to install and configure dns and work with zones and name resolution how to get started with ipv6 and ensure ipv4 ipv6 compatibility who should take this course for information technology it professionals who want skills and knowledge for managing and maintaining core infrastructure in windows server 2012 or windows server 2012 r2 environments course requirements hands on experience working as an it professional in any windows server 2008 or windows server 2012 environment table of contents introduction in the introduction discover what you ll need to know about windows server networking and how this course plans to help you master it quickly and efficiently lesson 1 overview of tcp ip in lesson 1 you start by understanding both the osi networking model and the tcp ip protocol suite then move on to transport layer and internet layer protocols and wrap up with sockets lesson 2 understanding ip addressing lesson 2 teaches you what ip addresses are how public and private ip addresses differ how to convert decimal to binary for understanding ip addresses and how bot

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

the aim of this guide is to take the reader through a typical installation of a small windows server 2019 network and is written for the following audiences someone who is new to windows server 2019 and installing it for the first time someone setting up windows server 2019 in a small business setting someone wishing to learn the basics of windows server 2019 and who wants a succinct practical guide based on real world scenarios the approach is very much practical and hands on it should give you a basic understanding of windows server and help you setup a network that should meet the needs of a typical small organization such as a business non profit church school and so on however it is not intended as a detailed description of all window server s many capabilities or as a reference manual and is not aimed at enterprise installations involving large numbers of servers and techniques such as virtualization it assumes a reasonable working knowledge of windows and the basics of networking it is written in a friendly do it like this style rather than with undue emphasis on theory and abstract topics contents 1 introduction1 1 what is windows server 2019 1 2 a typical small network1 3 the server1 4 switch and wireless access points1 5 client devices2 basic installation and configuration2 1 overview2 2 installing windows server2 3 setting the ip address2 4 naming the server2 5 creating a domain3 storage3 1 overview3 2 two disk drives3 3 single disk drive3 4 raid3 5 storage spaces4 shared folders4 1 overview4 2 creating shared folders4 3 loading existing data into shared folders5 users5 1 overview5 2 creating users5 3 resetting a password5 4 disabling an account5 5 deleting an account5 6 user groups5 7 home folders user profiles and logon scripts5 8 editing multiple users simultaneously6 connecting devices to the server6 1 overview6 2 adding a computer to the domain6 3 connecting computers with home editions of windows6 4 connecting macs6 5 connecting linux computers6 6 accessing the file system with file browser7 backups and restores7 1 overview7 2 configuring backups for the server7 3 backup performance settings7 4 restoring files to the server7 5 backing up the server to a nas drive7 6 third party server backup programs7 7 backing up computers to the server8 printing8 1 overview8 2 networked printer8 3 shared printer via server9 remote access vpn cloud services9 1 overview9 2 installing configuring remote access9 3 configure the router9 4 enabling remote access for users9 5 connecting client computers9 6 checking and monitoring remote users9 7 using dropbox with windows server10 group policy10 1 overview10 2 group policy management console10 3 specifying the home page10 4

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windows server 2003 networking recipes is ideal for network managers and windows server 2003 system administrators responsible for setting up and running computers and networks think of this book as the comprehensive task based guide to installing deploying and configuring the various networking protocols and services supported by windows server 2003 and the only book you ll need you ll find hundreds of quick reference solutions and the featured recipes are all based on the first hand experiences of the authors you can rest assured that this book is written by a team of leading experts in windows administration

your ultimate one stop networking reference designed to replace that groaning shelf load of dull networking books you d otherwise have to buy and house networking all in one for dummies covers all the basic and not so basic information you need to get a network up and running it also helps you keep it running as it grows more complicated develops bugs and encounters all the fun sorts of trouble you expect from a complex system ideal both as a starter for newbie administrators and as a handy quick reference for pros this book is built for speed allowing you to get past all the basics like installing and configuring hardware and software planning your network design and managing cloud services so you can get on with what your network is actually intended to do in a friendly jargon free style doug lowe an experienced it director and prolific tech author covers the essential up to date information for networking in systems such as linux and windows 10 and clues you in on best practices for security mobile and more each of the nine minibooks demystifies the basics of one key area of network management plan and administrate your network implement virtualization get your head around networking in the cloud lock down your security protocols the best thing about this book you don t have to read it all at once to get things done once you ve solved the specific issue at hand you can put it down again and get on with your life and the next time you need it it ll have you covered

set up a secure network at home or the office fully revised to cover windows 10 and windows server 2019 this new edition of the trusted networking for dummies helps both beginning network administrators and home users to set up and maintain a network updated coverage of broadband and wireless technologies as well as storage and back up procedures ensures that you ll learn how to build a wired or wireless network secure and optimize it troubleshoot problems and much more from connecting to the internet and setting up a wireless network to solving networking problems and backing up your data this 1 bestselling guide covers it all build a wired or wireless network secure and optimize your network set up a server and manage windows user accounts use the cloud safely written by a seasoned technology author and jam packed with tons of helpful step by step instructions this is the book network administrators and everyday computer users will turn to again and again

part of a series of specialized guides on system center this book provides focused drilldown into building a virtualized network solution series editor mitch tulloch and a team of system center experts provide concise technical guidance as they step you through key build configuration and implementation tasks

if you re preparing to move to windows server 2008 this book is for you it bypasses common concepts you already know and concentrates on the essential information you need to migrate quickly and successfully you ll get a thorough look at what s new in windows server 2008 including the redesigned architecture and improvements in features such as user services graphics virtualization and the new tcp ip protocol stack and boot environment covers everything from deployment to powershell to the latest security features new performance monitoring and remote access management

one of the key ingredients to being a successful server administrator is to have a firm understanding of how networking works in the server environment these easy video tutorials are designed to help you quickly build an understanding of windows server 2012 networking services including dns dhcp nps ipv4 ipv6 and more world class networking instructor and consultant ed liberman starts by introducing the absolute basics of the osi networking model and the tcp ip protocol suite next he guides you through the basics of ip addressing and subnetting static and automatic tcp ip configuration dhcp and dns installation and management zones and name resolution and more he concludes by explaining how ipv6 overcomes the growing limitations of ipv4 networks how to get started with it and what you need to know to ensure compatibility between ipv4 and ipv6 resource description page

find in depth coverage of general networking concepts and basic instruction on windows server 2008 installation and management including active directory dns

windows storage and tcp ip and ipv4 networking basics in mastering windows server 2008 networking foundations one of three new books by best selling author mark minasi this guide explains what servers do how basic networking works ip basics and dns wins basics and the fundamentals of the under the hood technologies that support staff must understand learn how to install windows server 2008 and build a simple network security concepts and basic windows server administration

this book contains more than 25 hands on recipes that will equip you to build a pki and roll out remote access capabilities via microsoft directaccess and vpn this book also contains tips and tricks for increasing the security footprint of your windows server infrastructure key features identify and mitigate security risks in your windows server 2016 infrastructure learn how to build a pki and use it to issue certificates within your network in depth information for setting up microsoft directaccess book description windows server 2016 is an operating system designed to run on today s highly performant servers both on premise and in the cloud it supports enterprise level data storage communications management and applications this book builds off a basic knowledge of the windows server operating system and assists administrators with taking the security of their systems one step further you will learn tips for configuring proper networking especially on multi homed systems and tricks for locking down access to your servers then you will move onto one of the hottest security topics of the year certificates you will learn how to build your own pki or how to better administer one that you already have you will publish templates issue certificates and even configure autoenrollment in your network when we say networking we don t only mean inside the lan to deal safely with mobile devices you will learn about the capabilities of windows server 2016 for connecting these assets securely back into the corporate network with information about directaccess and vpn the material in the book has been selected from the content of packt s windows server 2016 cookbook by jordan krause to provide a specific focus on these key windows server tasks what you will learn implement solid networking and security practices into your windows server environment design your own pki and start issuing certificates today connect your remote laptops back to the corporate network using microsoft s own remote access technologies including directaccess learn to use commands that will help you with monitoring network traffic build and explore your first server core instance today who this book is for if you are a windows server administrator interested in learning the key security and networking functions available in windows server 2016 keep this book close at hand if you are a server administrator setting up certificate services for the first time you will also benefit from the step by step instructions on implementation of a pki

through lectures discussions demonstrations textbooks exercises and classroom labs this official microsoft learning product helps you teach your students the knowledge

and skills necessary to install configure administer and support the primary networking services in the microsoft windows server 2003 operating system in addition this text provides students with the information required to pass microsoft certification exam 70 293 planning and maintaining a microsoft windows server 2003 network infrastructure as part of becoming a microsoft certified professional mcp or a microsoft certified systems engineer mcse

perfect for professionals working from home or small business owners looking to build a network this handbook includes coverage of how to install and configure a router and how to use a soho lan an entire section is devoted to wireless technologies this book covers selection and installation of all components of a network

this book is the windows server version of the classic tcp ip network administration like the book that inspired it windows server 2003 network administration provides an overview of the essential tcp ip protocols and explains how to properly manage and configure the services based on these protocols any skilled network administrator knows that understanding how things work is as important as knowing how things are done this book is the essential guide to both containing everything a network administrator needs to exchange information via the internet and to build effective reliable networks this must read guide is divided into three distinct sections fundamental concepts tutorial and reference the first three chapters are a basic discussion of the network protocols and services this discussion provides the fundamental concepts necessary to understand the rest of the book the remaining chapters provide a how to tutorial for planning installing and configuring various important network services the book concludes with three appendixes that are technical references for various configuration options content specifics include how to install configure and manage a microsoft dns and windows dhcp server control remote communications with microsoft rras software protect hosts with internet connection firewalls configure internet and intranet services with iis design proper security into your network troubleshoot the network when problems develop after you ve turned the final page of windows server 2003 network administration you ll not only understand how to network but also why it needs to be done

get up and running on microsoft windows server 2008 with ease this hands on guide covers all the essentials of deploying and administering the latest release of microsoft s powerful versatile network operating system using clear screenshots and step by step instructions microsoft windows server 2008 a beginner s guide shows you how to set up the server migrate from earlier versions and handle networking administration storage and security you ll also get details on the new tools and management utilities available in windows server 2008 install configure and deploy windows server 2008 set up and

manage a network work with active directory and domains set up communications features and an internet connection install customize and maintain internet information services iis 7 configure a vpn server and client set up terminal services and remote desktop manage storage and file systems secure your windows server environment set up and manage printing and faxing use the built in management tools including server manager and group policies

this book prepares students for the real world challenges of planning and building a secure and reliable windows server 2003 network extensive coverage includes tcp ip wins dns dhcp ipsec routing remote access load balancing clustering and security issues case projects at the end of each chapter allow students to take the role of a windows server 2003 network administrator making decisions and troubleshooting real life problems back cover

provides you with the hands on instruction you ll need to prepare for the mcse exam and succeed as a microsoft networking professional

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