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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

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

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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 with windows server 2016 microsoft has gotten us thinking outside of the box for what it means to be a system administration and comes with some interesting new capabilities these are exciting times to be or to become a server administrator this book covers all aspects of administration level tasks and activities required to gain expertise in microsoft windows server 2016 you will begin by getting familiar and comfortable navigating around in the interface next you will learn to install and manage windows server 2016 and discover some tips for adapting to the new server management ideology that is all about centralized monitoring and configuration you will deep dive into core microsoft infrastructure technologies that the majority of companies are going to run on server 2016 core technologies such as active directory dns dhcp certificate services file services and more we will talk about networking in this new operating system giving you a networking toolset that is useful for everyday troubleshooting and maintenance also discussed is the idea of software defined networking you will later walk through different aspects of certificate administration in windows server 2016 three important and crucial areas to cover in the remote access role directaccess vpn and the application proxy are also covered you will then move into security functions and benefits that are available in windows server 2016 also covered is the brand new and all important nano server we will incorporate powershell as a central platform for performing many of the functions that are discussed in this book including a chapter dedicated to the new powershell 5 0 additionally you will learn about the new built in integration for docker with this latest release of windows server 2016 the book ends with a discussion and information on virtualizing your datacenter with hyper v by the end of this book you will have all the ammunition required to start planning for and implementing windows server 2016 style and approach this book offers a practical and wide coverage of all features of brand new microsoft server 2016 along with tips on daily administration tasks

the in depth authoritative reference for intermediate to advanced it professionals windows server 2016 essential services 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 managing ipv4 and ipv6 network addressing planning for dns and dhcp designing services infrastructure implementing and managing dns configuring

advanced dns services implementing and managing dhcp configuring advanced dhcp services troubleshooting dns and dhcp deploying print services managing and maintaining print services diagnosing and resolving networking issues and much much more this book windows server 2016 essential services is designed to be used with windows server 2016 installing configuring windows server 2016 storage solutions and windows server 2016 domain infrastructure together these books form the tech artisans library for windows server 2016 a definitive resource providing over 2 000 pages and 500 000 words documenting all of the core features and enhancements in microsoft s server operating system 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

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include planning for windows server 2016 and developing a deployment plan implementing tcp ip networking and nic teaming managing file services and data storage partitioning and optimizing drives using tpm and bitlocker drive encryption using storage spaces and storage pools configuring file sharing and disk quotas configuring shadow copies and work folders using group policy for administration configuring and maintaining print services deploying essential infrastructure services including dhcp and dns and much much more not only will this informative training manual help you become familiar with many new ideas it ll help you master windows server 2016 in the shortest amount of time possible this is the ideal concise immediate reference you ll want with you at all times table of contents chapter 1 deploying windows server 2016 chapter 2 implementing tcp ip networking chapter 3 data storage the essentials chapter 4 partitioning and optimizing drives chapter 5 using tpm and bitlocker drive encryption chapter 6 using storage spaces chapter 7 using raid chapter 8 maintaining partitions and drives chapter 9 implementing file sharing chapter 10 using shadow copies and work folders chapter 11 managing permissions and auditing chapter 12 configuring disk quotas chapter 13 using group policy for administration chapter 14 implementing print services chapter 15 configuring and maintaining print services chapter 16 implementing dhcp chapter 17 managing and maintaining dhcp chapter 18 implementing dns chapter 19 managing and maintaining dns

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contains specially selected detailed help on core essential administrative tasks of windows server 2016 this book starts by helping you to navigate the interface of windows server 2016 and quickly shifts gears to implementing roles that are necessarily in any microsoft centric datacenter this book will also help you leverage the web services platform built into windows server 2016 available to anyone who runs this latest and greatest server operating system further you will also learn to compose optimal group policies and monitor system performance and ip address management this book will be a handy quick reference guide for any windows server administrator providing easy to read step by step instructions for many common administrative tasks that will be part of any server administrator s job description as they administer their windows server 2016 powered servers 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 key windows server administration tasks what you will learn become skilled in the navigation of windows server 2016 and explore the technologies and options that it provides build the infrastructure required for a successful windows server network move away from those open source web server platforms and start migrating your websites to server 2016 s internet information services today provide a centralized point for users to access applications and data by confguring remote desktop services compose optimal group policies who this book is for this book is for system administrators or it professionals who want the skills to manage and maintain the core infrastructure of a windows server 2016 environment prior experience in windows server 2012 r2 environments will be helpful

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usage and improve availability with tiny nano server installations improve configuration management with desired state configuration and chef deliver active directory identity certificate federation and rights management services protect servers clients assets and users with advanced windows server 2016 security features including just enough administration for experienced windows server users and it professionals your role experienced intermediate to advanced level windows server user or it professional prerequisites basic understanding of windows server procedures techniques and navigation

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this is the most comprehensive and realistic guide to windows server 2016 planning design prototyping implementation migration administration and support extensively updated it contains unsurpassed independent and objective coverage of windows server 2016 s key innovations

including the cloud containers and windows 10 integration windows server 2016 unleashed reflects the authors extraordinary experience implementing windows server 2016 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 2016 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 2016 to solve real business problems

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