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## A72 - ALICIA BUCKLEY

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Over 55 hands-on recipes covering the key aspects of a successful App-V deployment About This Book Deploy a resilient App-V infrastructure Combine App-V with Remote Desktop Services, Citrix XenDesktop, and System Center Configuration Manager Discover Shared Content Store Mode, Scripting, and Connection Groups to extend your deployment Who This Book Is For If you have some experience with App-V but are overwhelmed by the range of features on offer, then this book is for you. A basic un-

derstanding of App-V and common Windows Server technologies (Active Directory/Group Policy/PowerShell) is necessary. What You Will Learn Deploy a full App-V infrastructure Deploy App-V clients and prerequisites Leverage connection groups to combine App-V packages Reduce hardware requirements for your Remote Desktop Session Hosts Extend the use of your investments in Microsoft System Center Configuration Manager Discover which applications your users are running Resolve issues with your deployment quickly Cus-

tomize App-V packages to your needs Scale out your App-V infrastructure to accommodate increasing requirements In Detail With an ever-increasing number of applications being deployed in the workplace, Microsoft App-V 5 enables administrators to abstract these applications from clients, in turn reducing the time taken to complete the software deployment lifecycle. Part of the Microsoft Desktop Optimization Pack, App-V 5 centralizes the management of applications with a variety of deployment methods to suit each environ-

ment. With this hands-on Cookbook, you will learn how best to utilize features of App-V that you may already be familiar with, as well as gain insights into features only recently introduced such as the enhanced Connection Groups and Shared Content Store Mode. The book starts with the deployment of a scalable App-V infrastructure and progresses to cover the sequencing of common applications, as well as how you can take advantage of the new Office 2013 and Office 365 deployment methods. In later chapters, you will discover integrations with Microsoft Remote Desktop Services, Citrix XenDesktop, and Microsoft System Centre Configuration Manager. Finally, you will learn to leverage the App-V reporting server, Microsoft Excel, and pivot tables to gain insights into which applications are being used, along with how to troubleshoot issues with your deployment. Style and approach A practical Cookbook full of task-based recipes, complete with screenshots and explanations to supplement.

N/A

Incorporating 30 new certifications, as well as updating existing listings, this millennium edition contains a table of 200-plus cer-

tifications with columns for acronyms, name of certification, cost range, vendor/non-vendor, and "ranking" columns, and more.

Collects chapters written by specialists covering computer networking fundamentals, hardware, software, design, maintenance, troubleshooting, and security.

The Citrix Certified Associate - Virtualization CCA-V exam aims to validate the skills necessary to manage, maintain, monitor and troubleshoot XenDesktop 7 solutions. We create these self-practice test questions referencing the concepts and principles currently valid in the exam. Each question comes with an answer and a short explanation which aids you in seeking further study information. For purpose of exam readiness drilling, this product includes questions that have varying numbers of choices. Some have 2 while some have 5 or 6. We want to make sure these questions are tough enough to really test your readiness and draw your focus to the weak areas. Think of these as challenges presented to you so to assess your comprehension of the subject matters. The goal is to reinforce learning, to validate success-

ful transference of knowledge and to identify areas of weakness that require remediation. The questions are NOT designed to "simulate" actual exam questions. "realistic" or actual questions that are for cheating purpose are not available in any of our products.

Hello everyone! This guide contains as many latest practice exam questions and answers as possible to prepare you for your 1Y0-204 exam. Latest Questions & Answers details: Exam Name: Citrix Virtual Apps and Desktops 7 Administration 1Y0-204 Exam Code: 1Y0-204 Total Questions in the guide: 133 Questions with Answers. Good luck on the exam,

Microsoft Office Communications Server (OCS) 2007 is Microsoft's latest version of Live Communications Server 2005. The product provides management for all synchronous communications that takes place in real time. This includes instant messaging (IM), Voice over IP (VoIP), and audio conferencing and videoconferencing. It will work with your company's existing telecommunications systems without major hardware upgrades. This means your business can deploy advanced VoIP and conferencing without tearing out its

preexisting legacy telephone network. How to Cheat at Administering Microsoft Office Communicator 2007 provides the busy system administrator with any easy-to-access reference that provides step-by-step instructions on how to install, configure, manage and troubleshoot Communicator across the network. It is the perfect tool for those who simply need to complete a task without reading through lots of theory and principles. • Get Inside Microsoft Office Communications Server 2007 Learn what's new in OCS 2007, compare the previous editions, understand OCS 2007 server roles, plan an OCS 2007 installation. • Install the First OCS 2007 Front-End Server Address the prerequisites, prepare active directory, install and configure OCS 2007 Enterprise Edition, and verify the installation summary. • Configure the Edge Server Install the Edge Server, work with certificates, deal with security issues, and test the Edge Server. • Configure the Mediation Server Install the Configuration Server, configure dialing rules, configure users for voice functionality, and test voice functionality. • Configure Archiving Address compliance requirements, understand archiving topology, and

install the Archiving Server. • Configure Conference Servers Understand on-premises conferencing, use on-premises conferencing, understand Microsoft RoundTable, and install conferencing. • Integrate OCS with PBX and IP-PBX Systems Use a gateway, configure Cisco CallManager as a Gateway, and understand CSTA/SIP gateways. • Integrate OCS with Exchange 2007 Unified Messaging Master Exchange 2007 Unified Messaging and architecture, Configure Exchange 2007 UM, and Combine OCS with Exchange 2007 UM. • Upgrade to Office Communications Server 2007 Plan your migration from LCS 2005 to OCS 2007, upgrade perimeter servers, upgrade director servers, upgrade front-end servers, perform user migration, and remove LCS 2005 from the network environment.

Citrix Presentation Server allows remote users to work off a network server as if they weren't remote. That means: Incredibly fast access to data and applications for users, no third party VPN connection, and no latency issues. All of these features make Citrix Presentation Server a great tool for increasing access and productivity for remote users. Unfortunately, these

same features make Citrix just as dangerous to the network it's running on. By definition, Citrix is granting remote users direct access to corporate servers?..achieving this type of access is also the holy grail for malicious hackers. To compromise a server running Citrix Presentation Server, a hacker need not penetrate a heavily defended corporate or government server. They can simply compromise the far more vulnerable laptop, remote office, or home office of any computer connected to that server by Citrix Presentation Server. All of this makes Citrix Presentation Server a high-value target for malicious hackers. And although it is a high-value target, Citrix Presentation Servers and remote workstations are often relatively easily hacked, because they are often times deployed by overworked system administrators who haven't even configured the most basic security features offered by Citrix. "The problem, in other words, isn't a lack of options for securing Citrix instances; the problem is that administrators aren't using them." (eWeek, October 2007). In support of this assertion Security researcher Petko D. Petkov, aka "pdp", said in an Oct. 4 posting that his recent testing of Citrix gate-

ways led him to "tons" of "wide-open" Citrix instances, including 10 on government domains and four on military domains. \* The most comprehensive book published for system administrators providing step-by-step instructions for a secure Citrix Presentation Server. \* Special chapter by Security researcher Petko D. Petkov'aka "pdp detailing tactics used by malicious hackers to compromise Citrix Presentation Servers. \* Companion Web site contains custom Citrix scripts for administrators to install, configure, and troubleshoot Citrix Presentation Server.

An Exam cram for professionals gearing up for the CCA Citrix test, this guide employs the proven method to efficiently coach the reader on key exam subjects.

Efficiently administer and maintain your development environment with Windows PowerShell About This Book Explore scripting and automation techniques with Windows PowerShell Gain concrete knowledge of Windows PowerShell scripting to perform professional level scripting Discover the benefits of the Configuration Management Platform with this step-by-step guide that includes real-world scripting examples

Who This Book Is For If you are an IT professional or developer who has worked on the .Net platform and you want to learn automation using Windows PowerShell, then this book is for you. This self-start guide takes you from the basics and gradually moves to an intermediate level to show you how to perform professional scripting. What You Will Learn Understand the concepts of building PowerShell scripts and the basics of programming Manage the LYNC, Exchange, and SharePoint platforms Create a Pull server using a SMB file share and HTTP and HTTPS Use .NET classes in Windows PowerShell and C# to manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming Client Server Object Models to administrate SharePoint Online In Detail Windows PowerShell 5.0 for .NET Developers is your self-start guide to performing automation using Windows PowerShell. This book will help you to understand the PowerShell syntax and grammar and will also teach you techniques to remove the rough edges of manual deployments. Packed with PowerShell scripts and sample C# codes to automate tasks, it al-

so includes real-world scenarios such as administrating office servers to help you save time and perform deployments swiftly and efficiently. The book begins with the Windows PowerShell basics, explores the significant features of Windows Management Framework 5.0, covers the basic concepts of Desired State Configuration and the importance of idempotent deployments. By the end of the book, you will have a good understanding of Windows PowerShell's features and will be able to automate your tasks and manage configuration effectively. Style and approach This is an easy-to-follow step-by-step guide with text-enabled screenshots. Each topic is explained with codes and examples. It also includes multiple approaches for a number of tasks to let you choose the best one for you depending on your scenario.

Foundations of Modern Networking is a comprehensive, unified survey of modern networking technology and applications for today's professionals, managers, and students. Dr. William Stallings offers clear and well-organized coverage of five key technologies that are transforming networks: Software-Defined Networks (SDN), Network Functions Virtualization (NFV),

Quality of Experience (QoE), the Internet of Things (IoT), and cloudbased services. Dr. Stallings reviews current network ecosystems and the challenges they face—from Big Data and mobility to security and complexity. Next, he offers complete, self-contained coverage of each new set of technologies: how they work, how they are architected, and how they can be applied to solve real problems. Dr. Stallings presents a chapter-length analysis of emerging security issues in modern networks. He concludes with an up-to-date discussion of networking careers, including important recent changes in roles and skill requirements. Coverage: Elements of the modern networking ecosystem: technologies, architecture, services, and applications Evolving requirements of current network environments SDN: concepts, rationale, applications, and standards across data, control, and application planes OpenFlow, OpenDaylight, and other key SDN technologies Network functions virtualization: concepts, technology, applications, and software defined infrastructure Ensuring customer Quality of Experience (QoE) with interactive video and multimedia network traffic Cloud networking: services, de-

ployment models, architecture, and linkages to SDN and NFV IoT and fog computing in depth: key components of IoT-enabled devices, model architectures, and example implementations Securing SDN, NFV, cloud, and IoT environments Career preparation and ongoing education for tomorrow's networking careers Key Features: Strong coverage of unifying principles and practical techniques More than a hundred figures that clarify key concepts Web support at [williamstallings.com/Network/](http://williamstallings.com/Network/) QR codes throughout, linking to the website and other resources Keyword/acronym lists, recommended readings, and glossary Margin note definitions of key words throughout the text

The ultimate troubleshooting guide for clear, concise, and real-world solutions to a wide range of common Citrix XenDesktop problems About This Book Explore the XenDesktop architecture and work with various troubleshooting tools that every Citrix admin should know about Discover how to troubleshoot performance, VDA registration, and NetScaler integration issues A fast-paced troubleshooting guide to help you identify and resolve any kind of problem you might face while working with

Citrix XenDesktop Who This Book Is For Troubleshooting Citrix XenDesktop is targeted at Citrix Administrators or Citrix Engineers who are working on XenDesktop and want to learn tips and techniques required to deal with the issues they face in their day-to-day life. A working knowledge of core elements and concepts of XenDesktop would be an added advantage. What You Will Learn Solve VDA registration problems and Citrix session launch difficulties Identify and resolve XenDesktop service issues Troubleshoot performance issues related to the XenDesktop architecture Work around common printing issues Understand the Citrix XenDesktop HDX policies and deal with the HDX MediaStream challenges Resolve the common MCS and PVS configuration issues in your XenDesktop environment Find solutions to some general issues that have been identified and recorded by Citrix in their database that every administrator must be aware of In Detail In today's world, many organizations have decided to move to secure and stable VDI platforms to benefit their organization to meet their security needs. To meet an organization's requirements, Citrix XenDesktop serves as the

best desktop virtualization solution available, providing the optimum user experience. Troubleshooting Citrix XenDesktop is a single resource guide that will help you dig deep into all the technical issues you encounter to resolve them using an autonomous and well-defined approach. The book starts by walking you through the XenDesktop architecture and the troubleshooting toolkit for Citrix XenDesktop. The subsequent chapters will help you identify possible causes of various types of Citrix XenDesktop problems that may arise while installing, configuring, or troubleshooting day-to-day problems. You will also be dealing with the most common and important VDA registration problems that you might often face while working with the XenDesktop product suite. Additionally, you will resolve issues that arise while launching Citrix sessions, troubleshoot performance issues, and learn how to integrate Citrix NetScaler with your XenDesktop environment. Style and approach This book is an easy-to-follow troubleshooting guide with real-world examples of resolving XenDesktop issues. Each chapter is focused on a specific troubleshooting area, giving you the time to

learn about and apply relevant tools and practices to troubleshoot the problems using a systematic approach.

This exam is designed to validate skills as a Windows Server 2008 Server Administrator. This exam will fulfill the Windows Server 2008 IT Professional requirements of Exam 70-646. The Microsoft Certified IT Professional (MCITP) on Windows Server 2008 credential is intended for information technology (IT) professionals who work in the complex computing environment of medium to large companies. The MCITP candidate should have at least one year of experience implementing and administering a network operating system in an environment that has the following characteristics: 250 to 5,000 or more users; three or more physical locations; and three or more domain controllers. A MCITP Server Administrator is responsible for the operations and day-to-day management of an infrastructure of servers for an enterprise organization. Server administrators manage the infrastructure, web, and IT application servers, and use scripts to accomplish tasks on a regular basis. They conduct most server management tasks remotely

by using Terminal Server or administration tools installed on their local workstation. MCITP Server Administrators also support engineering projects, and are responsible for server builds and configuration. \* Targeted at MCSE/MCSA upgraders, AND new MCITP certification seekers. \* Interactive FastTrack e-learning modules help simplify difficult exam topics \* Two full-function ExamDay practice exams guarantee double coverage of all exam objectives \* Free download of audio FastTracks for use with iPods or other MP3 players \* Comprehensive study guide guarantees 100% coverage of all Microsoft's exam objectives

Prepare for CCA exam 220; Citrix MetaFrame XP for Windows Administrator with this updated study guide. --

The past two decades have witnessed startling advances in wireless LAN technologies that were stimulated by its increasing popularity in the home due to ease of installation, and in commercial complexes offering wireless access to their customers. This book presents some of the latest development status of wireless LAN, covering the topics on physical layer, MAC layer, QoS and systems. It provides an opportunity for both practitioners and researchers

to explore the problems that arise in the rapidly developed technologies in wireless LAN.

Annotation XenApp 6 is the leader in application hosting and virtualization delivery, allowing users from different platforms such as Windows, Mac, Linux, and mobile devices to connect to their business applications. It reduces resources and costs for application distribution and management. Using Citrix XenApp 6, you can deploy secure applications quickly to thousands of users. *Getting Started with Citrix XenApp 6* provides comprehensive details on how to design, implement, and maintain Citrix farms based on XenApp 6. Additionally, you will learn to use management tools and scripts for daily tasks such as managing servers, published resources, printers, and connections. *Getting Started with Citrix XenApp 6* starts by introducing the basics of XenApp such as installing servers and configuring components, and then teaches you how to publish applications and resources on the client device before moving on to configuring content redirection. Author Guillermo Musumeci includes a use case throughout the book to explain advanced topics like creating management scripts and deploy-

ing and optimizing XenApp for Citrix XenServer, VMware ESX, and Microsoft Hyper-V virtual machines. It will guide you through an unattended installation of XenApp and components on physical servers. By the end of this book you will have enough knowledge to successfully design and manage your own XenApp 6 Farms. A complete guide to managing a virtualized application environment using XenApp.

The first Citrix MetaFrame certification book on the market targets the premier product of the second fastest growing technology company in the United States. Chapter components are designed to provide critical information in easy-to-digest forms, always with an eye towards easing the study process. 30 illustrations.

Server Sprawl and escalating IT costs have managers and system administrators scrambling to find ways to cut costs and reduce Total Cost of Ownership of their physical infrastructure. Combining software applications onto a single server, even if those applications are from the same software vendor, can be dangerous and problems hard to troubleshoot. Virtualization allows you to consolidate many

servers onto a single physical server reducing hardware, electrical, cooling, and administrative costs. These virtual servers run completely independent of each other so if one crashes the other are not affected. Planning and implementing a server consolidation is a complex process. This book details the requirements for such a project, includes sample forms and templates, and delivers several physical to virtual migration strategies which will save both time and costs. Readers of this book will easily be able to plan and deploy VMware, Microsoft Virtual Server, and Xen. Create a virtual network to exchange information or provide a service to other virtual machines or computers Use virtualization to support removable media such as CD or DVD optical disks Reduce server costs, administration overhead, and complexity Best Damn Windows Server 2008 Book Period, Second Edition is completely revised and updated to Windows Server 2008. This book will show you how to increase the reliability and flexibility of your server infrastructure with built-in Web and virtualization technologies; have more control over your servers and web sites using new tools like IIS7, Windows Server Manager, and

Windows PowerShell; and secure your network with Network Access Protection and the Read-Only Domain Controller. Web server management with Internet Information Services 7.0 Virtualize multiple operating systems on a single server Hardening Security, including Network Access Protection, Federated Rights Management, and Read-Only Domain Controller

This is a practical, concise step-by-step tutorial with screenshots for carrying out tasks showing you how to manage and administer a XenServer in your business. The author brings his own extensive knowledge of XenServer. The book is full of best practices and tips that will help you benefit from the author's experience in working with XenServer. If you are an administrator working on XenServer, this book is for you. The book assumes that you have a basic understanding of XenServer administration, but need not have working experience with XenServer. You must be well aware of virtualization concepts as the book does not cover that. IT consultants, service providers and architects, who want to approach XenServer as a virtualization platform will also find this book useful.

The bestselling MCSA 70-470 study guide, updated for the latest exam MCSA Windows Server 2016 Study Guide is your ultimate resource for Exam 70-740. Covering 100% of all exam objectives, this study guide goes far beyond concept review with real-world scenarios containing expert insights, chapter review questions, hands-on practice exercises while the Sybex interactive learning environment provides additional last minute review through practice exams, electronic flashcards, and searchable glossary. This new edition has been fully updated to align with the Windows Server 2016 exam, featuring authoritative coverage of installation, configuration, server roles, Hyper-V, core network services, Active Directory, Group Policy, security, remote access, disaster recovery, and more. The vast majority of servers around the world use Windows Server, and the 2016 release includes a host of new features and updates. This study guide has been updated to prepare you for these changes so you can be confident on exam day and beyond. Study 100% of Exam 70-740 objectives Gain hands-on practice performing critical tasks Link concept to practice through real-world scenarios Access to the

Sybex interactive learning environment Whether you want to sit for the exam, or simply improve your job performance, this Sybex study guide will give you the expert insight to learn the key concepts and latest updates to Windows Server 2016.

This is an expert level guide that enables you to employ the Citrix XenApp tool to host an effective and secured application virtualization interface. Recipes containing numerous tips and examples are well organized, and cover the advanced concepts of building a robust virtualization infrastructure. If you are a Citrix XenApp expert and wish to enhance your skills by learning the advanced features and configurations of a XenApp, then this book is for you. This is a follow up to the Getting Started with Citrix XenApp 6.5 Packt Publishing book. Server administrators willing to explore management and monitoring tools who wish to automate Citrix XenApp configurations with PowerShell scripting will certainly be at ease with this book. Inside Citrix - The FlexCast Management Architecture focuses on the FMA, mainly from an architectural point of view. It will discuss, in detail all of its main components and services, their primary roles and

responsibilities, including some of the most common optional components, features and/or closely related technologies. From the basics to deep (er) dives where applicable, I will make sure to include something for everybody. Do note that this book is not meant as an installation and/or how-to manual, instead it will dive deeper into the FMA, the true foundation of Citrix XenDesktop and XenApp. Topics include but are not limited to: A deep dive into the FMA's main services, its evolution, a detailed overview on the user authentication, application enumeration and launch processes, Citrix printing, the ICA / HDX protocol, application delivery, MCS, PVS, troubleshooting, some history, fun facts and figures and (much) more. I have concluded each chapter with multiple key takeaways (a few hundred in total) and also included over 100 so-called FMA facts throughout the various chapters.

This exam is designed to validate proficiency supporting Windows Vista client. This exam will fulfill the Windows Vista Technology Specialist requirements of Exam 70-620. The Microsoft Certified Technology Specialist (MCTS) on Windows Vista credential is intended for information technology

(IT) professionals who work in the complex computing environment of medium to large companies. The MCTS candidate should have at least one year of experience in Tier 1 or Tier 2 phone support in an upper midsize organization or enterprise environment. MCTS candidates should have experience resolving issues concerning network connectivity, desktop operating systems, security, and applications. Their experience should also include addressing logon problems, performing password resets, and resolving most issues with desktop applications. \* Designed to help study for and pass this important MCTS exam on the Vista operating system on the way to MCITP status \* Targeted to newcomers to Microsoft certification AND people who wish to upgrade their Windows 2003 MCSE/MCSA \* THE independent source of exam day tips, techniques, and warnings not available from Microsoft \* Comprehensive study guide guarantees 100% coverage of all Microsoft's exam objectives \* Interactive FastTrack e-learning modules help simplify difficult exam topics \* Two full-function ExamDay practice exams guarantee double coverage of all exam objectives \* Free download of audio

FastTracks for use with iPods or other MP3 players \* 1000 page "DRILL DOWN" reference for comprehensive topic review

Nowadays, many organizations are moving toward desktop virtualization. Citrix® XenDesktop® is the most comprehensive solution to implement a scalable and high performance virtual desktop environment. This book will provide you with the technical skills you need to successfully design, set up, and maintain a XenDesktop® environment. This book will introduce you to the main components of a XenDesktop® infrastructure and covers how to design and install them. Through each chapter, you will quickly learn how to configure your virtual desktop environment in order to meet specific end user requirements, giving your users the freedom to work from anywhere and from any device while virtual desktops and apps are centrally maintained in your data center.

If you are a Citrix® engineer, a virtualization consultant, or an IT project manager with prior experience of using Citrix XenApp® and related technologies for desktop virtualization and want to further explore the power of XenApp® for flawless desk-

top virtualization, then this book is for you. Citrix XenDesktop Implementation explores the implementation of Citrix XenDesktop, a virtual desktop infrastructure solution. After introducing the desktop virtualization, the book discusses the installation of a desktop delivery controller through advanced XenDesktop Client Settings. This book briefly discusses the work of desktop delivery controller mechanisms followed by its installation process, integration process of XenDesktop with Microsoft Active Directory, and the configuration of the desktop delivery controller. It then examines the process of installing the virtual desktop onto the server infrastructure, and it follows the installation and integration onto Xen Server, Hyper-V, and VMware hypervisors. Furthermore, it discusses the advanced configuration settings. The book covers the installation of the Citrix Provisioning Server and its fundamental configuration. It also explores the configuration of Citrix XenApp for Application provisioning, the integration of virtual applications, and the implementation of virtual profiles into the virtual desktop. The book concludes by explaining the advanced XenDesktop client settings on au-

dio, video, and peripherals. Ideal one-stop handbook for implementing a Citrix XenDesktop virtual desktop solution Includes all technical details required for you to evaluate how Citrix XenDesktop would integrate into your existing environment Covers integration with VMware ESX/vSphere, Microsoft Hyper-V including System Center Virtual Machine Manager (SCVMM) and Citrix XenServer

Learn the fundamentals of PowerShell to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your ins-

talled version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from

the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.

Discusses the design and deployment of MetaFrame XP environments, covering topics including printing, replicated data stores, and security.

This exam is designed to validate Windows

Server 2008 Active Directory skills. This exam will fulfill the Windows Server 2008 Technology Specialist requirements of Exam 70-640. The Microsoft Certified Technology Specialist (MCTS) on Windows Server 2008 credential is intended for information technology (IT) professionals who work in the complex computing environment of medium to large companies. The MCTS candidate should have at least one year of experience implementing and administering a network operating system in an environment that has the following characteristics: 250 to 5,000 or more users; three or more physical locations; and three or more domain controllers. MCTS candidates will manage network services and resources such as messaging, a database, file and print, a proxy server, a firewall, the Internet, an intranet, remote access, and client computer management. In addition MCTS candidates must understand connectivity requirements such as connecting branch offices and individual users in remote locations to the corporate network and connecting corporate networks to the Internet. Designed to help newcomers to Microsoft certification study for and pass MCTS exam for Active Directo-

ry on their way to MCITP certification THE independent source of exam day tips, techniques, and warnings not available from Microsoft Comprehensive study guide guarantees 100% coverage of all Microsoft's exam objectives Interactive FastTrack e-learning modules help simplify difficult exam topics Two full-function ExamDay practice exams guarantee double coverage of all exam objectives 1000 page "DRILL DOWN" reference for comprehensive topic review

Master the skills required to implement Citrix® XenApp® 7.6 to deploy a complete Citrix®-hosted application from scratch-About This Book• Learn to implement and configure components of Citrix® XenApp® 7.6, which are XenServer®, XenApp®, Citrix® License server, PVS, Storefront, Citrix® Receiver, and Netscaler to secure WAN traffic• Build the XenApp® 7.6 environment independently and perform tests to make sure the components are working as expected for internal and external traffic• Implement advanced tools in Citrix® XenApp® to build and manage a cost effective, secure, and high-performing application delivery infrastructure with this comprehensive guideWho This Book Is For-

This book is for administrators who are currently managing the implemented environment and want to learn how to deploy the Citrix® Hosted virtualization solution for the application in a windows server 2012 R2 environment. A reasonable knowledge and understanding of core XenApp® elements and concepts used during virtualizing applications are assumed.

**What You Will Learn**

- Understand how to set up Hypervisor, install the management console, configure the storage repository, and create a virtual machine on hypervisor
- Set up an Infrastructure component and explore ways to tune them up so that they can be used for Citrix® environment
- Set up a Domain controller, DHCP, Certificate authority, and SQL server for static database for Citrix® XenApp®
- Validate the Citrix® XenApp® 7.6 solution to make sure components are communicating properly
- Manage the essential Citrix® components - Director, Licensing, and Policies with the Help of Citrix® studio
- Optimize the behavior of an Application and share desktop via Policies
- Installing and configuring Citrix® Provisioning services to deliver Citrix® XenApp® 7.6 virtual machines
- Secure the external Delivery of

an application and shared desktop via netscaler to enjoy mobility

In Detail Citrix® XenApp® is one of the leading pieces of Application delivery software that delivers Windows compatible apps to users on any device, anywhere. Citrix® XenApp® also gives administrators the ability to manage and control the freedom of mobility by increasing the security and saving costs at the same time. This book will provide you with all the knowledge required to successfully deploy and master a complete Citrix® hosted application. First, it will cover essential concepts of the architecture of XenApp®. You will then learn how to set up Hypervisor and how to set up Infrastructure components. Next you will learn how to Set up Citrix® Components, XenApp® resources, PVS, and Netscaler. We will further look at how to prepare the environment for Rollout. Additionally, you will learn how to configure the Citrix® components such as Citrix® Director. Moreover, you'll learn about shared desktop for delivery to end users and the application of policies for effective and secure delivery. Finally, you will learn how to implement provisioning services for a Citrix® XenApp® 7.6 environment.

**Style and approach** This

book is based on a course outline and hence takes a very practical approach so you will understand how to implement the components of XenApp® in a production environment. Complemented with many best practices and troubleshooting concepts of XenApp®, this book will help you master XenApp® swiftly.

CompTIA Security+ Certification Study Guide: Exam SYO-201, Third Edition, offers a practical guide for those interested in pursuing CompTIA Security+ certification. The book is organized into six parts. Part 1 deals with general security issues including security threats; hardware and peripheral security risks; the fundamentals of operating system (OS) hardening; implementing system security applications; and concepts of virtualization. Part 2 discusses the fundamentals of network security. Part 3 focuses on network access and network authentication. Part 4 explains the importance of risk assessments and risk mitigation, and how to conduct them. Part 5 reviews general cryptographic concepts and addresses the complex issues involved in planning a certificate-based public key infrastructure (PKI). Part 6 on organizational security discusses redundancy planning;

environmental controls; implementing disaster recovery and incident response procedures; and the policies, procedures, and documentation upon which organizational computer security is based. Each chapter begins with Exam Objectives and concludes with Self-Test questions along with their corresponding answers. \*Complete exam-prep package includes full coverage of new Security+ objectives, flash cards, cram sheets, MP3s for exam-day study, PPT presentations, two complete practice exams, and certification e-book library \*Authored by a leading Microsoft security expert \*A good reference for both beginning security professionals and seasoned IT professionals

This report describes a new system of credentialing that has arisen in the information technology and telecommunications industries over the past decade. It compares this system to traditional higher education, identifying both similarities and dissimilarities, and points to some cases in which the two interact.... The summary section of this report emphasizes the major themes of the certification system and its relationship to higher education: 1. The

system is global and operates in many languages. 2. The student, not the institution, is at the center of the system. 3. The system has brought competency-based education and performance assessment to a status they have never enjoyed within traditional higher education. 4. Certification replace neither experience nor degrees, and the IT system does not pretend to be higher education. the summary also indicates the critical need for more information on certification candidates and providers of course work, since the new system is now large enough to play a role in state and national planning for postsecondary education. (HoF/text adopted).

This book has a tutorial style with step-by-step instructions and adequate screenshots for carrying out each task. If you are a system administrator or consultant who wants to implement and administer Citrix XenApp 6.5 farms, then this book is for you. This book will help both new and experienced XenApp professionals to deliver virtualized applications.

Install, configure, and support your XenApp systems with the power of Citrix XenApp About This Book Familiarize yourself with Citrix applications and desktop virtual-

ization Maintain and troubleshoot your XenApp environment to minimize system downtime A hands-on, step-by-step guide with a practical approach and real-world examples to get you up and running with XenApp systems Who This Book Is For This book is intended for IT administrators and consultants who want to build application and desktop virtualization solutions for their employers and customers. No prior knowledge of Citrix technologies is required. What You Will Learn Make the use case for Citrix XenApp and design your first system Prepare your existing IT infrastructure for XenApp and learn what licenses you need Install and configure the XenApp infrastructure Enable access with StoreFront and NetScaler Gateway Enable load balancing with NetScaler Maintain servers and publish applications and desktops Manage printing in a Citrix environment Troubleshoot your environment using advanced tools and methodologies employed by Citrix Escalation Teams In Detail If you want to effectively deploy the various components of Citrix XenApp to create an enterprise environment for application and desktop delivery, this hands-on guide is perfect for you. You start off by unders-

tanding the need and benefits of Citrix XenApp with respect to Virtualization technology. After this, you will get to grips with the requirement analysis and designing aspect of building XenApp systems and all the necessary installation and configuration procedures for Citrix XenApp, StoreFront and NetScaler Gateway are explained one by one in detail. Step-by-step, you will learn to deploy your first XenApp with the Machine Creation Services method and Provisioning Services method. After this, you will explore the administering part of applications and systems, followed by printing in the XenApp environment. Next, you will learn all the trips and tricks required to troubleshoot and support the XenApp environment. By the end of this book, you will be ready to go live with your new XenApp environment. Style and approach This is a step-by-step guide to technical implementations in a conversational and easy-to-follow style. Each component is deployed sequentially until a full solution is built. Basic as well as advanced features of the product are explored to appeal to the widest possible audience interested in the topic.

The Citrix Certified Administrator (CCA) cre-

dential is the first tier of Citrix certification. The CCA is most often sought out by IT professionals whose networks employ Citrix virtualization technology, and for those IT professionals who are seeking a broad base of general network expertise. The number of CCAs is estimated at between 65 and 70K, up from 45,000 in 2003. Citrix recently released a new version of its most popular product, XenApp (formerly Presentation Server). This new version is fully compatible with Windows Server 2008. To retain their CCA credential, all current CCAs will need to upgrade to the new software. This will be particularly important to those companies enrolled in Citrix partner programs, as current certification is a requirement of the program. When packaged with practice exams, this prep kit will offer an affordable, effective solution for CCA certification and re-certification. Complete exam-prep package includes full coverage of new XenApp 5.0 objectives Authored by a Citrix expert with hundreds of implementations to his credit This preparation kit can also be used as a reference guide for administrators who need to integrate XenApp 5.0 with their networks

Over 40 practical recipes to get your hands dirty with the powerful Cisco UCS and overcome various challenges About This Book Master the skills of minimizing cost, enabling your business to work faster by reducing cycle times for reporting and improving overall revenue Work through hands-on recipes for efficient deployment approaches, see computing techniques, and explore new operational models with UCS Render a better work-flow management, ensure effective monitoring, and learn new deployment paradigms for the operational infrastructure with the help of this book Who This Book Is For This book is for competent system/network or storage administrators who are working with Cisco UCS, but now want to learn new ways to compute UCS. What You Will Learn Familiarize yourself with information on the latest information on memory management practices, virtualization architectures, and the specific technical advantages of UCS Get a concrete understanding of integrating processes and techniques to ensure effective convergence of LAN/SAN Get to know the best practices of Cisco UCS, EMC Storage, and VMware vSphere Master migrating data from other

band servers or Blade to Cisco UCS. Comprehend how to replicate and back up UCS to remote sites. UCS Assimilate innovative techniques to deploy UCS to leverage its full potential. Gather information on installing and configuring automatic and manual Pinning. Discover ways to integrate a system in Cisco UCS. In Detail Cisco Unified Computing System (UCS) is a data center server platform that is used for computing, deploying, and storing resources in data center environments. This cookbook aims to teach you about various tasks you can implement to improve your existing method of configuring and deploying UCS. You will start by learning how to upgrade your firmware on Brocade and Cisco Fibre Channel Switch and will move on to enhance your knowledge of LAN connectivity. We will then discuss how to configure Windows 2008 and 2012 local boot in Cisco UCS. Next, you will learn how to install the operating system on Cisco UCS and use Cisco UCS Power Calculator to calculate the UCS consumption. Finally, we'll take a look at backup solutions. By the end of the book, you will know several ways to build and compute in data center environment using Cisco UCS. Style and

approach This guide explains every task in a conversational and easy-to-follow style. You can open this book up to the task you want to learn and will be able to perform that task by the end of the recipe. Identify and resolve key Citrix XenApp® issues using trusted troubleshooting and monitoring techniques. About This Book Understand the key troubleshooting methodologies when working with XenApp 7.5 version and above. Uncover effective tips and techniques to solve real-world XenApp® infrastructure problems. This is a fast-paced guide to developing key troubleshooting and problem resolution skills you can put to use in a Citrix environment. Who This Book Is For This book is for Citrix Administrators or Citrix Engineers who are currently managing Citrix XenApp® in a production environment and want to learn how to troubleshoot XenApp® issues in the shortest possible time. It is assumed that you have a basic understanding of XenApp's components and how to implement and manage a XenApp® infrastructure. What You Will Learn Get to know about troubleshooting methodologies and perform a root cause analysis of the problem. Understand the individual components and inter-

actions required for a successful XenApp environments. Identify and troubleshoot issues around the core Citrix components. Identify XenApp® components and their roles and learn how they interact with the communication channels. Gain tips and tricks to optimize Citrix deployments. Monitor and optimize the XenApp® environment. In Detail Citrix XenApp® is an application virtualization product from Citrix. It allows users to connect to their corporate applications from various computer systems and even mobile devices. XenApp® has grown into a complex software with ever-expanding infrastructures in place. Together with tight integrations with other systems such as Terminal Services, Active Directory, and other third-party authentication services, troubleshooting XenApp® has become more complicated. This book teaches you how to approach troubleshooting complex issues with XenApp® deployments and understand the problem, find a fix or workaround, determine the root cause, and apply corrective steps wherever applicable. The book progresses to give you an idea about the many supportive components that play an important role in XenApp's application delivery model and

should be considered while troubleshooting XenApp® issues. It also shows you standard troubleshooting processes so that you can resolve complex XenApp® issues in a mission critical environment. By the end of this book, you will see how and where to use supportive components that help minimize XenApp® issues. Also, we'll explain various tools that can be useful when monitoring and optimizing entire application and desktop delivery model. Style and approach This is an easy-to-follow, fast-paced, example-oriented guide with a brief explanation on various troubleshooting methodologies to walk you through a host of real-life problems.

Master the skills required to implement Citrix® XenApp® 7.6 to deploy a complete Citrix®-hosted application from scratch About This Book Learn to implement and configure components of Citrix® XenApp® 7.6, which are XenServer®, XenApp®, Citrix® License server, PVS, Storefront, Citrix® Receiver, and Netscaler to secure WAN traffic Build the XenApp® 7.6 environment independently and perform tests to make sure the components are working as expected for internal and external traffic Implement advanced tools in Citrix® Xe-

nApp® to build and manage a cost effective, secure, and high-performing application delivery infrastructure with this comprehensive guide Who This Book Is For This is book is for administrators who are currently managing the implemented environment and want to learn how to deploy the Citrix® Hosted virtualization solution for the application in a windows server 2012 R2 environment. A reasonable knowledge and understanding of core XenApp® elements and concepts used during virtualizing applications are assumed. What You Will Learn Understand how to set up Hypervisor, install the management console, configure the storage repository, and create a virtual machine on hypervisor Set up an Infrastructure component and explore ways to tune them up so that they can be used for Citrix® environment Set up a Domain controller, DHCP, Certificate authority, and SQL server for static database for Citrix® XenApp® Validate the Citrix® XenApp® 7.6 solution to make sure components are communicating properly Manage the essential Citrix® components – Director, Licensing, and Policies with the Help of Citrix® studio Optimize the behavior of an Application and share desktop via Policies

Installing and configuring Citrix® Provisioning services to deliver Citrix® XenApp® 7.6 virtual machines Secure the external Delivery of an application and shared desktop via netscaler to enjoy mobility In Detail Citrix® XenApp® is one of the leading pieces of Application delivery software that delivers Windows compatible apps to users on any device, anywhere. Citrix® XenApp® also gives administrators the ability to manage and control the freedom of mobility by increasing the security and saving costs at the same time. This book will provide you with all the knowledge required to successfully deploy and master a complete Citrix® hosted application. First, it will cover essential concepts of the architecture of XenApp®. You will then learn how to set up Hypervisor and how to set up Infrastructure components. Next you will learn how to Set up Citrix® Components, XenApp® resources, PVS, and Netscaler. We will further look at how to prepare the environment for Rollout. Additionally, you will learn how to configure the Citrix® components such as Citrix® Director. Moreover, you'll learn about shared desktop for delivery to end users and the application of policies for effective and secure

delivery. Finally, you will learn how to implement provisioning services for a Citrix® XenApp® 7.6 environment. Style and approach This book is based on a course outline and hence takes a very practical approach so you will understand how to implement the components of XenApp® in a production environment. Complemented with many best practices and troubleshooting concepts of XenApp®, this book will

help you master XenApp® swiftly. Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. This easy-to-follow, hands-on guide shows you how to implement desktop virtualization with real life cases and step-by-step instructions. It is a tutorial with step-by-step instructions and adequate screenshots for the installa-

tion and administration of Citrix XenDesktop. If you are new to XenDesktop or are looking to build your skills in desktop virtualization, this is your step-by-step guide to learning Citrix XenDesktop. For those architects and designers experienced in XenDesktop infrastructure implementation this book aims to be a quick reference guide with notes and reminders for their day-to-day tasks.