

XenDesktop Troubleshooting Guide

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 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.

Install, configure, and deploy an enterprise-wide access infrastructure using this one-of-a-kind resource. Fully authorized by Citrix Systems, Inc., this invaluable reference shows you how to optimize the entire suite of components. Get details on customizing the installation process, implementing the data store across multiple platforms, securing the management and Web consoles, imaging server farms, replicating applications, and much more. You ' ll also discover advanced troubleshooting

techniques and expert tuning and optimization recommendations to further increase Citrix productivity and performance.

Provides detailed and advanced configuration information for all Access Suite components Covers every installation option and provides in-depth technical information on custom installations Covers the implementation of all four database options: IBM, SQL Server, Oracle, and Access

This is a step-by-step, task-based, practical guide to learning and getting your basic XenDesktop 7.x site up and running. It is fast, easy, and makes learning desktop and application virtualization simple. If you are a system administrator, consultant, or beginner who wants to implement and administer Citrix XenDesktop sites, then this book is for you. Familiarity with virtualization of desktops and applications and datacenter concepts will be helpful. The ability to read network diagrams and understand servers, data flow, clients, devices, and the interworking of these pieces will be beneficial.

The Official Guide, 3rd Edition

CITRIX ACCESS SUITE 4 ADVANCED CONCEPTS: THE OFFICIAL GUIDE, 2/E

Citrix Virtual Apps and Desktops Troubleshooting

Building Reliable Networks with the Border Gateway Protocol

Juniper(r) Networks Secure Access SSL VPN Configuration Guide

Networking: A Beginner's Guide, Sixth Edition

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Get the job done and learn as you go. A how-To book with practical recipes accompanied with rich screenshots for easy comprehension. This easy-to-follow, hands-on guide shows you how to bolster your security with real life cases and step-by-step instructions. This guide gets new users up and running with Citrix Netscaler in simple practical steps and also acts as a refresher to those with some experience of the product and its features.

The Implementing Citrix Provisioning Server 5.0 exam (A06) is divided into the following sections: - Planning a Citrix Provisioning Server 5.0 Implementation - Configuring the Initial Setup - Managing Citrix Provisioning Server 5.0 - Maintaining Citrix Provisioning Server 5.0 - Troubleshooting Citrix Provisioning Server 5.0 This self-study exam preparation guide for the Implementing Citrix Provisioning Server 5.0 certification exam contains everything you need to test yourself and pass the Exam. All Exam topics are covered and insider secrets, complete explanations of all Implementing Citrix Provisioning Server 5.0 subjects, test tricks and tips, numerous highly realistic sample questions, and exercises designed to strengthen understanding of Implementing Citrix Provisioning Server 5.0 concepts and prepare you for exam success on the first attempt are provided. Put your knowledge and experience to the test. Achieve Implementing Citrix Provisioning Server 5.0 certification and accelerate your career. Can you imagine valuing a book so much that you send the author a "Thank You" letter? Tens of thousands of people understand why this is a worldwide best-seller. Is it the authors years of experience? The endless hours of ongoing research? The interviews with those who failed the exam, to identify gaps in their knowledge? Or is it the razor-sharp focus on making sure you don't waste a single minute of your time studying any more than you absolutely have to? Actually, it's all of the above. This book includes new exercises and sample questions never before in print. Offering numerous sample questions, critical time-saving tips plus information available nowhere else, this book will help you pass the Implementing Citrix Provisioning Server 5.0 exam on your FIRST try. Up to speed with the theory? Buy this. Read it. And Pass the Implementing Citrix Provisioning Server 5.0 Exam. Border Gateway Protocol (BGP) is the routing protocol used to exchange routing information across the Internet. It makes it possible for ISPs to connect to each other and for end-users to

connect to more than one ISP. BGP is the only protocol that is designed to deal with a network of the Internet's size, and the only protocol that can deal well with having multiple connections to unrelated routing domains. This book is a guide to all aspects of BGP: the protocol, its configuration and operation in an Internet environment, and how to troubleshoot it. The book also describes how to secure BGP, and how BGP can be used as a tool in combating Distributed Denial of Service (DDoS) attacks. Although the examples throughout this book are for Cisco routers, the techniques discussed can be applied to any BGP-capable router. The topics include: Requesting an AS number and IP addresses Route filtering by remote ISPs and how to avoid this Configuring the initial BGP setup Balancing the available incoming or outgoing traffic over the available connections Securing and troubleshooting BGP BGP in larger networks: interaction with internal routing protocols, scalability issues BGP in Internet Service Provider networks The book is filled with numerous configuration examples with more complex case studies at the end of the book to strengthen your understanding. BGP is for anyone interested in creating reliable connectivity to the Internet.

For experts only, this cookbook is a superbly structured interactive guide to the advanced features of Citrix XenApp. It will give you the know-how to build an effective and robust virtualization infrastructure. In Detail In the age of cybernation, Citrix XenApp has emerged as a prolific application virtualization product. This powerful solution enables users or an enterprise to have centrally hosted and managed applications on corporate servers which can be accessed remotely from a wide range of computer and mobile devices. To deliver shared hosted virtual desktops and applications, XenApp synchronizes with Citrix tools such as NetScaler Gateway that offer secure remote access. Giving you an insight into configuring, managing, and optimizing the advanced features of Citrix XenApp, this practical guide starts by helping you establish Remote Desktop Services and understanding the Citrix Licensing protocol. You then get a walkthrough of the Citrix Web Interface and then finally move on to successfully manage your XenApp server using PowerShell and command-line tooling.

"Citrix® XenApp® 6.5 Expert Cookbook" clearly teaches you to work with the XenApp tool to deliver published desktops and applications from a XenApp server to the end user. Packed with practical recipes, this book starts with helping you understand the basics of Remote Desktop Services and proceeds to explain in detail the usage of Citrix License servers. Furthermore, you will learn to utilize the Citrix web interface, which acts as the central portal where users remotely access their desired applications. Next, you will move on to the key technical implementation of the NetScaler Gateway tool which Citrix uses to provide secured services. Finally, you will advance to learn about the basic management consoles and tooling, configuration, and troubleshooting methods of XenApp with command-line tools and PowerShell scripts. You will also get a glimpse into the buzzing Citrix community by learning some great additional tools and scripts built by Citrix community enthusiasts. This guide is an invaluable tutorial to help you to explore and optimize the XenApp tool to virtually deliver desktops and applications What You Will Learn Configure and manage Remote Desktop Services Understand Citrix License Server Utilize the Citrix Web Interface Manage Citrix StoreFront Deploy NetScaler Gateway Optimize the Citrix XenApp Learn to configure XenApp with command-line and PowerShell scripts Utilize ...

Citrix XenApp®!Platinum Edition Advanced Concepts

Instant Citrix Security How-To

Troubleshooting Citrix XenDesktop®

Upgrade Path to Become Top Level Citrix Admins & Engineers.

Mastering VMware vSphere 6.7

Mastering NetScaler VPX™

Here's the book you need to prepare for exam 220, Citrix MetaFrame XP 1.0 for Windows Administration. This study

**guide provides: In-depth coverage of every exam objective
Practical information on administering MetaFrame XP 1.0 for Windows
Hundreds of challenging review questions, in the book and on the CD
Leading-edge exam preparation software, including a testing engine, and electronic flashcards
Authoritative coverage of all exam objectives, including:
Installing and configuring MetaFrame XP 1.0 for Windows
Using the Citrix Management Console
Configuring applications for use in a MetaFrame environment
Assessing load management and security requirements
Installing the Citrix ICA client software
Customizing Program Neighborhood Interface
Identifying NFuse features and components
Replicating print drivers and importing print servers
Monitoring and troubleshooting MetaFrame XP servers
Featured on the CD
The enclosed CD is packed with vital preparation tools and materials, beginning with the Sybex EdgeTest testing engine for the MetaFrame XP 1.0 for Windows Administration exam. Loaded with hundreds of practice questions, it lets you test yourself chapter by chapter or according to objective areas. You'll also find electronic flashcards for your PC and Palm handhelds, two bonus exams, and a fully searchable electronic version of the book. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.**

**The Only Official Guide to All Components of Citrix XenApp Platinum Edition
Citrix XenApp, the new name for Citrix Presentation Server, is an end-to-end Windows application delivery system that offers both client-side and server-side application virtualization, for optimal application performance and flexible delivery options. It's the best access experience for any user. With the secure application architecture, organizations can centralize applications and data in secure data centers, reducing costs of management and support, increasing data security, and ensuring fast, reliable performance. Build and maintain a scalable, cost-effective, and secure enterprise application delivery infrastructure with expert advice from the Citrix Product Development Team. Citrix XenApp Platinum Edition Advanced Concepts: The Official Guide explains how to configure hardware and software and centrally manage enterprise resources. You'll learn to use Citrix Conferencing Manager, Citrix Access Gateway, Citrix Password Manager, and other tools. The book also includes in-depth coverage of advanced troubleshooting techniques, disk and**

memory tuning methods, and security strategies. Deploy Citrix XenApp across a large enterprise successfully Understand the network bandwidth requirements of server-to-server communication, and communication between Access Management Console and servers Secure remote access with Citrix Access Gateway Administer and customize Citrix Password Manager Maximize the capabilities of Citrix Conferencing Manager Secure Citrix XenApp using certificates, encryption, and smart cards Configure Virtual IP addressing, PDA synchronization, and SpeedScreen browser acceleration Gain insights from Citrix eLabs server load and capacity hardware testing.

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

A step-by-step course that includes tasks ranging from a standard to high-level difficulty, oriented to deploy an enterprise production VDI environment. This practical approach is based on both GUI and command line operations, which gives you as an IT professional the alternatives to operate the system wherever possible. If you are a system administrator or an experienced IT professional who wants to refer to a centralized container of procedures and advanced tasks in XenDesktop, this is the book for you. If you are an IT technician approaching this technology for the first time, who wants to integrate a more theoretical formative process with step-by-step installation and configuration activities, this book will also help you. You will need to have experience of the virtualized environment and an understanding of the general concepts of desktop virtualization (VDI).

The Enterprise Cloud

Advanced Xenapp Troubleshooting Guide for Admins & Engineers

Citrix® XenApp® 6.5 Expert Cookbook

Citrix XenApp™ Platinum Edition Advanced Concepts: The Official Guide

Best Practices for Transforming Legacy IT

Citrix® XenDesktop® 7 Cookbook

The purpose of this book is to provide a well-organized inventory of Citrix Virtual Apps and Desktops troubleshooting tools and methodologies. It first aims to educate Citrix administrators and users about the various concepts of the Citrix Flexcast Management Architecture (FMA) and to deal with the most frequent issues arising in Citrix Virtual Apps and Desktops environments. This book is addressed to Citrix Virtual Apps and Desktops system administrators, network administrators, technical support technicians and help desk operators as well as to any computer science student or IT hobbyist who wishes to expand their knowledge and skill set in the area of Citrix Virtual Apps and Desktops

troubleshooting.

Troubleshooting Citrix XenDesktop® Packt Publishing Ltd

Design and implement Citrix farms based on XenApp 6.5.

Advanced Xenapp Troubleshooting Guide for Admins & Engineers by Rajesh Vuppala focuses on reducing your troubleshooting time and increasing your overall efficiency. Proactive solutions to Citrix problems are the main focus of this book and you will gain deep insights into hidden troubleshooting techniques for faster and more effective results. Different parts of this book focus on different aspects of your day-to-day tasks: it starts with a deep dive into different Xenapp modules, giving you a fuller understanding of this vital topic area. Once you are comfortable with the different modules, in part 2 you will gain a comprehensive understanding of various troubleshooting techniques. From troubleshooting, you'll explore various options for optimizing the Xenapp environment and how to optimize user experience. By using the best practices described, you'll be able to reduce the number of problems faced by you, your team, and your users. Your journey winds up with top troubleshooting tools and the best ways to employ them for day-to-day operations. Whether you are a Citrix admin or engineer, you're working on mission-critical applications. Advanced Xenapp Troubleshooting Guide for Admins & Engineers gives you all the troubleshooting tips and tricks you'll need to meet the exacting demands of your clients and users.

Citrix MetaFrame Access Suite Advanced Concepts

Implementing Citrix Provisioning Server 5. 0

Citrix XenApp® 7.5 Desktop Virtualization Solutions

XenServer Administration Handbook

Citrix XenApp™ Platinum Edition Advanced Concepts: The Official Guide

Practical Recipes for Successful Deployments

Juniper Networks Secure Access SSL VPN appliances provide a complete range of remote access appliances for the smallest companies up to the largest service providers. As a system administrator or security professional, this comprehensive configuration guide will allow you to configure these appliances to allow remote and mobile access for employees. If you manage and secure a larger enterprise, this book will help you to provide remote and/or extranet access, for employees, partners, and customers from a single platform. Complete coverage of the Juniper Networks Secure Access SSL VPN line including the 700, 2000, 4000, 6000, and 6000 SP. Learn to scale your appliances to meet the demands of remote workers and offices. Use the NEW coordinated threat control with Juniper Networks IDP to manage the security of your entire enterprise.

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. This book provides an in-depth insight into the new architectures and concepts of current Citrix XenDesktop and XenApp technologies for central provisioning of desktops and applications. It is aimed both at newcomers to the Citrix virtualization world and at those upgrading from previous versions. All the necessary steps for the creation of a design, and the development and operation of a complete, scalable virtualization environment are discussed in a detailed and practical manner. Valuable advice and comprehensive background information also feature in this solution-oriented compendium, making it an indispensable companion for IT solution architects, consultants and administrators.

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.

Getting Started with XenDesktop® 7.x

VCP-DCV Official Cert Guide

Troubleshooting Citrix XenApp®

CCA Citrix MetaFrame XP 1.0 Administration Study Guide

Citrix XenDesktop & XenApp 7.7/7.8

Effectively deploy, manage, and monitor your virtual datacenter with VMware vSphere 6.7, 2nd Edition

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 installed 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.

Unleash the benefits of VMware vSphere 6.7 to provide a powerful, flexible and secure digital infrastructure Key FeaturesDeep dive into areas like management, security, scalability, availability and more with vSphere 6.7Design, deploy and manage VMware vSphere virtual datacentersImplement monitoring and security of VMware workloads with easeBook Description vSphere 6.7 is the latest release of VMware's industry-leading, virtual cloud platform. It allows organisations to move to hybrid cloud computing by enabling them to run, manage, connect and secure applications in a common operating environment. This up-to-date, 2nd edition provides complete coverage of vSphere 6.7. Complete with step-by-step explanations of essential concepts, practical examples and self-assessment questions, you will begin with an overview of the products, solutions and features of the vSphere 6.7 suite. You'll learn how to design and plan a virtual infrastructure and look at the

workflow and installation of components. You'll gain insight into best practice configuration, management and security. By the end the book you'll be able to build your own VMware vSphere lab that can run even the most demanding of workloads. What you will learn

Explore the immense functionality of vSphere 6.7

Design, manage and administer a virtualization environment

Get tips for the VCP6-DCV and VCIX6-DCV exams

Understand how to implement different migration techniques across different environments

Explore vSphere 6.7s powerful capabilities for patching, upgrading and managing the configuration of virtual environments.

Understand core vSphere components

Master resource management, disaster recovery, troubleshooting, monitoring and security

Who this book is for This book is for Administrators, Infrastructure Engineers, Architects, and Consultants with basic knowledge of VMware vSphere.

The Only Official Guide to All Components of Citrix XenApp Platinum Edition

Citrix XenApp, the new name for Citrix Presentation Server, is an end-to-end Windows application delivery system that offers both client-side and server-side application virtualization, for optimal application performance and flexible delivery options. It's the best access experience for any user. With the secure application architecture, organizations can centralize applications and data in secure data centers, reducing costs of management and support, increasing data security, and ensuring fast, reliable performance. Build and maintain a scalable, cost-effective, and secure enterprise application delivery infrastructure with expert advice from the Citrix Product Development Team. Citrix XenApp Platinum Edition Advanced Concepts: The Official Guide explains how to configure hardware and software and centrally manage enterprise resources. You'll learn to use Citrix Conferencing Manager, Citrix Access Gateway, Citrix Password Manager, and other tools. The book also includes in-depth coverage of advanced troubleshooting techniques, disk and memory tuning methods, and security strategies. Deploy Citrix XenApp across a large enterprise successfully

Understand the network bandwidth requirements of server-to-server communication, and communication between Access Management Console and servers

Secure remote access with Citrix Access Gateway

Administer and customize Citrix Password Manager

Maximize the capabilities of Citrix Conferencing Manager

Secure Citrix XenApp using certificates, encryption, and smart cards

Configure Virtual IP addressing, PDA synchronization, and SpeedScreen browser acceleration

Gain insights from Citrix eLabs server load and capacity hardware testing

Learn how to deploy and configure all the available Citrix NetScaler features with the best practices and techniques you need to know

About This Book

- Implement and configure all the available

NetScaler Application Delivery features and monitor NetScaler VPX performance in your environment• Packed with real-word NetScaler deployment scenarios to help you see the configuration principles in action• Integrate NetScaler with other Citrix technologies, including CloudBridge, Application Delivery Controller, HDX Insight, and Command CenterWho This Book Is ForIf you're an administrator with prior experience using NetScaler then you have everything you need to make the most of this book.What You Will Learn• Configure the more commonly used NetScaler VPX features such as basic load balancing, authentication, NetScaler Gateway, and StoreFront• Configure the AppExpert features such as Responder, Rewrite, AppExpert templates, parsing HTTP, TCP, and UDP data• Integrate NetScaler with other Citrix technologies such as CloudBridge, Insight Center, and Command Center• Optimize traffic using caching, front-end optimization, and compression• Dive deep in the security, caching, and compression enhancements• Protect your environment with AAA and Application Firewall, or from HTTP DDoS attacks• Troubleshoot an environment using tools such as TaaS and WireSharkIn DetailCitrix NetScaler is one of the best Application Delivery Controller products in the world. The Application Delivery Controllers are commonly used for load balancing purposes, to optimize traffic, and to perform extra security settings.This book will give you an insight into all the available features that the Citrix NetScaler appliance has to offer. The book will start with the commonly used NetScaler VPX features, such as load balancing and NetScaler Gateway functionality. Next, we cover features such as Responder, Rewrite, and the AppExpert templates, and how to configure these features.After that, you will learn more about the other available Citrix technologies that can interact with Citrix NetScaler. We also cover troubleshooting, optimizing traffic, caching, performing protection using Application Firewall, and denying HTTP DDoS attacks for web services.Finally, we will demonstrate the different configuration principles real-world Citrix NetScaler deployment scenarios.Style and approachThis easy-to-follow guide explains as much as possible about each feature and its configuration. Each topic is explained sequentially in the process of configuring and deploying the feature.

Mastering Netscaler Vpx

Exam 220

Citrix Xenmobile Mobile Device Management

Getting Started with Citrix XenApp 6.5

The Official Guide

Automating VSphere Administration

Current, essential IT networking skills--made easy! Thoroughly revised to cover the latest technologies, this practical resource provides you with a solid foundation in networking fundamentals. *Networking: A Beginner's*

Guide, Sixth Edition discusses wired and wireless network design, configuration, hardware, protocols, security, backup, recovery, and virtualization. You'll also get step-by-step instructions for installing, configuring, and managing Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache. This is the perfect book for anyone starting a networking career or in need of an easy-to-follow refresher. Understand network cabling, topologies, hardware, and the OSI seven-layer model
Connect LANs and WANs Configure network protocols, such as TCP/IP, IPX/SPX, SMTP, DHCP, HTTP, WINS, and more Explore directory services, such as Microsoft's Active Directory, X.400, and LDAP Enable and support remote network access Secure your network and handle backup and disaster recovery Select, install, and manage reliable network servers, including Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache Manage network workstation computers Design a robust network from the ground up Work with virtualization technologies, such as Hyper-V, VMWare, and Oracle VM VirtualBox

Packed with practical advice, this hands-on guide provides valuable information you need to most effectively optimize and manage the XenServer open source virtualization platform. Whether you run a modest installation of a few blades or multiple global enterprise datacenters, this book focuses on the most critical issues you're likely to encounter when designing a XenServer deployment and helps you handle day-to-day management tasks. Tim Mackey and J.K. Benedict from Citrix Systems, the company that manages XenServer, show you how to design a deployment through best practices, deployment blueprints, and installation guidelines. The book's second part features concise, easy-to-implement recipes for day-to-day management, such as user rights, backup strategies, and hardware maintenance. Learn precisely what makes a XenServer work, and how it can host 1000 virtual machines Explore the core components of a production XenServer environment Investigate several options on how and where to install XenServer Examine several factors for "right sizing" your XenServer deployment to fit your needs Work with a decision tree to optimize your XenServer deployment design Understand how to accommodate guest VM virtualization modes Use recipes that help you plan for, obtain, and apply XenServer upgrades

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 desktop virtualization, then this book is for you. VCP-DCV Official Cert Guide, Fourth Edition helps you systematically prepare for your VCP-DCV 2019 exam by mastering all key exam objectives associated with vSphere v.6.7. Thoroughly updated for VMware's 2019 exam changes, it offers an exceptionally well-organized and efficient test-preparation system based on proven series elements and techniques. Chapter-opening Do I Know This Already? quizzes help you decide how much time you need to spend on each section, exam topic lists make referencing

easy, and chapter-ending Exam Preparation Tasks help you drill on the key concepts you must know thoroughly. The companion website contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Leading VMware consultants, trainers, and data center experts John A. Davis, Steve Baca, and Owen Thomas share preparation hints and test-taking tips, helping you identify areas of weakness and improve conceptual knowledge and hands-on skills. Material is presented concisely, focusing on promoting understanding and retention. Coverage includes: vSphere prerequisites Storage and network infrastructure (physical and virtual) vCenter Server features Clusters and virtual machines VMware product integration High availability solutions Securing vSphere Planning and performing vSphere installations Configuring vSphere (SSO and Virtual Networking) Monitoring resources VM configuration and performance Managing networking, storage, security, clusters, resources, vCenter Server, and VMs Well regarded for its detail, assessment features, comprehensive scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time.

Citrix XenDesktop Implementation

OpenStack: Building a Cloud Environment

BGP

Plan-Build-Run Reference Guide

Getting Started with PowerShell

Active Directory For Dummies

Your One-Stop Reference for VMware vSphere Automation If you manage vSphere in a Windows environment, automating routine tasks can save you time and increase efficiency. VMware vSphere PowerCLI is a set of pre-built commands based on Windows PowerShell that is designed to help you automate vSphere processes involving virtual machines, data centers, storage, networks, and more. This detailed guide—using a practical, task-based approach and real-world examples—shows you how to get the most out of PowerCLI's handy cmdlets. Learn how to: Automate vCenter Server and ESX/ESX(i) Server deployment and configuration Create and configure virtual machines and use vApps Secure, back up, and restore your virtual machines Monitor, audit, and report the status of your vSphere environment Use the PowerCLI SDK, PowerWF Studio, and vEcoShell Schedule and view automation Add a GUI front end to your scripts

Whether you're new to Active Directory (AD) or a savvy system administrator looking to brush up on your skills, Active Directory for Dummies, 2nd Edition will steer you in the right direction! Since its original release, Microsoft's implementation of the lightweight directory access protocol (LDAP) for the

Windows Server line of networking software has become one of the most popular directory service products in the world. If you are involved with the design and support of Microsoft directory services and/or solutions, you really need this book! You'll understand the basics of AD and utilize its structures to simplify your life and secure your digital environment. You'll discover how to exert fine-grained control over groups, assets, security, permissions, and policies on a Windows network and efficiently configure, manage, and update the network. You'll find new and updated material on security improvements, significant user interface changes, and updates to the AD scripting engine, password policies, accidental object deletion protection, and more. You will learn how to: Navigate the functions and structures of AD Understand business and technical requirements and determine goals Become familiar with physical components like site links, network services, and site topology Manage and monitor new features, AD replication, and schema management Maintain AD databases Avoid common AD mistakes that can undermine network security Complete with lists of the ten most important points about AD, and ten cool Web resources, and ten troubleshooting tips, Active Directory For Dummies, 2nd Edition is your one-stop guide to setting up, working with, and making the most of Active Directory. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

Learn how to deploy and configure all the available Citrix NetScaler features with the best practices and techniques you need to know About This Book Implement and configure all the available NetScaler Application Delivery features and monitor NetScaler VPX performance in your environment Packed with real-word NetScaler deployment scenarios to help you see the configuration principles in action Integrate NetScaler with other Citrix technologies, including CloudBridge, Application Delivery Controller, HDX Insight, and Command Center Who This Book Is For If you're an administrator with prior experience using NetScaler then you have everything you need to

make the most of this book. What You Will Learn Configure the more commonly used NetScaler VPX features such as basic load balancing, authentication, NetScaler Gateway, and StoreFront Configure the AppExpert features such as Responder, Rewrite, AppExpert templates, parsing HTTP, TCP, and UDP data Integrate NetScaler with other Citrix technologies such as CloudBridge, Insight Center, and Command Center Optimize traffic using caching, front-end optimization, and compression Dive deep in the security, caching, and compression enhancements Protect your environment with AAA and Application Firewall, or from HTTP DDoS attacks Troubleshoot an environment using tools such as TaaS and WireShark In Detail Citrix NetScaler is one of the best Application Delivery Controller products in the world. The Application Delivery Controllers are commonly used for load balancing purposes, to optimize traffic, and to perform extra security settings. This book will give you an insight into all the available features that the Citrix NetScaler appliance has to offer. The book will start with the commonly used NetScaler VPX features, such as load balancing and NetScaler Gateway functionality. Next, we cover features such as Responder, Rewrite, and the AppExpert templates, and how to configure these features. After that, you will learn more about the other available Citrix technologies that can interact with Citrix NetScaler. We also cover troubleshooting, optimizing traffic, caching, performing protection using Application Firewall, and denying HTTP DDoS attacks for web services. Finally, we will demonstrate the different configuration principles real-world Citrix NetScaler deployment scenarios. Style and approach This easy-to-follow guide explains as much as possible about each feature and its configuration. Each topic is explained sequentially in the process of configuring and deploying the feature.

Citrix XenApp Platinum Edition for Windows: The Official Guide

Foundations and Applications Programming

1Y0-A06 Exam Certification Exam Preparation Course in a Book for Passing the Implementing Citrix Provisioning Server 5.0 Exam - the How to Pass on Your First Try Certification Study Guide

VMware vSphere PowerCLI Reference

A comprehensive guide for Citrix administrators

Mastering XenApp®

Gain essential knowledge and keep your NetScaler environment in top form About This Book Learn how the main features - Load Balancing, Content Switching, GSLB, SSL offloading, AAA, AppFirewall, and Gateway work under the hood using vividly explained flows and traces Explore the NetScaler layout and the various logs, tools and methods available to help you when it's time to debug An easy-to-follow guide, which will walk you through troubleshooting common issues in your NetScaler environment Who This Book

Is For This book is aimed at NetScaler administrators who have a basic understanding of the product but are looking for deeper exposure and guidance in identifying and fixing issues to keep their application environment performing optimally. What You Will Learn Troubleshoot traffic management features such as load balancing, SSL, GSLB and content switching Identify issues with caching and compression Deal with authentication issues when using LDAP, RADIUS, certificates, Kerberos and SAML Diagnose NetScaler high availability and networking issues Explore how application firewall protections work and how to avoid false positives Learn about NetScaler Gateway integration issues with XenApp, XenDesktop, and XenMobile Deal with NetScaler system-level issues Discover the NetScaler troubleshooting tools In Detail NetScaler is a high performance Application Delivery Controller (ADC). Making the most of it requires knowledge that straddles the application and networking worlds. As an ADC owner you will also likely be the first person to be solicited when your business applications fail. You will need to be quick in identifying if the problem is with the application, the server, the network, or NetScaler itself. This book provides you with the vital troubleshooting knowledge needed to act fast when issues happen. It gives you a thorough understanding of the NetScaler layout, how it integrates with the network, and what issues to expect when working with the traffic management, authentication, NetScaler Gateway and application firewall features. We will also look at what information to seek out in the logs, how to use tracing, and explore utilities that exist on NetScaler to help you find the root cause of your issues. Style and approach This helpful guide to troubleshooting NetScaler is delivered in a comprehensive and easy-to-follow manner. The topics in the book adopt a step-by-step approach.

Learn how you can put the features of OpenStack to work in the real world in this comprehensive path About This Book Harness the abilities of experienced OpenStack administrators and architects, and run your own private cloud successfully Learn how to install, configure, and manage all of the OpenStack core projects including topics on Object Storage, Block Storage, and Neutron Networking services such as LBaaS and FWaaS Get better equipped to

troubleshoot and solve common problems in performance, availability, and automation that confront production-ready OpenStack environments

Who This Book Is For This course is for those who are new to OpenStack who want to learn the cloud networking fundamentals and get started with OpenStack networking. Basic understanding of Linux Operating System, Virtualization, and Networking, and Storage principles will come in handy.

What You Will Learn Get an introduction to OpenStack and its components Store and retrieve data and images using storage components, such as Cinder, Swift, and Glance Install and configure Swift, the OpenStack Object Storage service, including configuring Container Replication between datacenters Gain hands on experience and familiarity with Horizon, the OpenStack Dashboard user interface Learn how to automate OpenStack installations using Ansible and Foreman Follow practical advice and examples for running OpenStack in production Fix common issues with images served through Glance and master the art of troubleshooting Neutron networking

In Detail OpenStack is a collection of software projects that work together to provide a cloud fabric. Learning OpenStack Cloud Computing course is an exquisite guide that you will need to build cloud environments proficiently. This course will help you gain a clearer understanding of OpenStack's components and their interaction with each other to build a cloud environment. The first module, Learning OpenStack, starts with a brief look into the need for authentication and authorization, the different aspects of dashboards, cloud computing fabric controllers, along with 'Networking as a Service' and 'Software defined Networking'. Then, you will focus on installing, configuring, and troubleshooting different architectures such as Keystone, Horizon, Nova, Neutron, Cinder, Swift, and Glance. After getting familiar with the fundamentals and application of OpenStack, let's move deeper into the realm of OpenStack. In the second module, OpenStack Cloud Computing Cookbook, preview how to build and operate OpenStack cloud computing, storage, networking, and automation. Dive into Neutron, the OpenStack Networking service, and get your hands dirty with configuring ML2, networks, routers, and distributed virtual routers. Further, you'll learn practical examples of Block Storage, LBaaS, and FBaaS. The final module, Troubleshooting OpenStack, will help you quickly diagnose,

troubleshoot, and correct problems in your OpenStack. We will diagnose and remediate issues in Keystone, Glance, Neutron networking, Nova, Cinder block storage, Swift object storage, and issues caused by Heat orchestration. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Learning OpenStack by Alok Shrivastwa, Sunil Sarat OpenStack Cloud Computing Cookbook - Third Edition by Kevin Jackson , Cody Bunch, Egle Sigler Troubleshooting OpenStack by Tony Campbell Style and approach This course aims to create a smooth learning path that will teach you how to get started with setting up private and public clouds using a free and open source cloud computing platform—OpenStack. Through this comprehensive course, you'll learn OpenStack Cloud computing from scratch to finish and more!

More than 180,000 organizations and 50 million users run Citrix software

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 audio, 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
Mastering Cloud Computing
Getting Started with Citrix XenApp® 7.6
Mastering Citrix® XenDesktop®

A Practical Guide for IT Professionals *Troubleshooting NetScaler*

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 interactions 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.

Despite the buzz surrounding the cloud computing, only a small percentage of organizations have actually deployed this new style of IT—so far. If you're planning your long-term cloud strategy, this practical book provides insider knowledge and actionable real-world lessons regarding planning, design, operations, security, and application transformation. This book teaches business and technology managers how to transition their organization's traditional IT to cloud computing. Rather than yet another book trying to sell or convince readers on the benefits of clouds, this book provides guidance, lessons learned, and best practices on how to design, deploy, operate, and secure an enterprise cloud based on real-world experience. Author James Bond provides useful guidance and best-practice checklists based on his field experience with real customers and cloud providers. You'll view cloud services from the perspective of a consumer and as an owner/operator of an enterprise private or hybrid cloud, and learn valuable lessons from successful and less-than-successful organization use-case scenarios. This is the information every CIO needs in order to make the business and technical decisions to finally execute on their journey to cloud computing. Get updated trends and definitions in cloud computing, deployment models, and for building or buying cloud services Discover challenges in cloud operations and management not foreseen by early adopters Use real-world lessons to plan and build an enterprise private or hybrid cloud Learn how to assess, port, and migrate legacy applications to the cloud Identify security threats and vulnerabilities unique to the cloud Employ a cloud management system for your enterprise (private or multi-provider hybrid) cloud ecosystem Understand the challenges for becoming an IT service broker leveraging the power of the cloud

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.