

Xendesktop Troubleshooting Guide

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 ...

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

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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.

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.

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®

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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.

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 ForTroubleshooting 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 DetailIn 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 approachThis 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.

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 ForThis 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.

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.

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.

VMware® Horizon Suite The authoritative guide to delivering end-user services with VMware View and VMware Horizon Suite Today, IT professionals must manage stateless, mobile, streamed workspaces delivered across devices ranging from traditional PCs to tablets and smartphones. Using VMware View and VMware Horizon Suite, they can do so—providing flexible end-user services that support any business requirement cost effectively. Now there's a complete guide to planning, configuring, implementing, and integrating VMware Horizon Suite technologies and using them to deliver high-value end-user services in enterprise, managed, and cloud provider environments. This book's deep up-to-date technical content addresses considerations ranging from architecture, deployment, and operations to user experience and support. It offers detailed guidance on integration with VMware View and key third-party technologies. Throughout, it fully reflects the newest VMware View releases, including VMware Horizon Mirage. Relevant, clear, and usable, VMware Horizon Suite contains step-by-step configuration examples, sample scenarios helping you choose the right technologies for your users' needs, and a complete end-user computing design checklist. Coverage includes • Understanding the new end-user service model and how VMware View and VMware Horizon address it • Mastering VMware View 6 and VMware Workspace 1.8 architectures • Leveraging proven installation and implementation techniques • Efficiently operating Connection, Security, and Transfer servers • Managing agents, clients, portals, composers, and personas • Integrating VMware View and Workspace • Implementing operational best practices, such as desktop pools, user data management, and SaaS • Using VMware Mirage to manage desktop images more intelligently and provide a wider spectrum of end-user services • Delivering multimedia within a View desktop environment • Integrating Microsoft Lync with VMware View • Monitoring VMware View and optimizing its performance

Microsoft Windows 7 Administrators Reference covers various aspects of Windows 7 systems, including its general information as well as installation and upgrades. This reference explains how to deploy, use, and manage the operating system. The book is divided into 10 chapters. Chapter 1 introduces the Windows 7 and the rationale of releasing this operating system. The next chapter discusses how an administrator can install and upgrade the old operating system from Windows Vista to Windows 7. The deployment of Windows 7 in an organization or other environment is then explained. It also provides the information needed to deploy Windows 7 easily and quickly for both the administrator and end users. Furthermore, the book provides the features of Windows 7 and the ways to manage it properly. The remaining chapters discuss how to secure Windows 7, as well as how to troubleshoot it. This book will serve as a reference and guide for those who want to utilize Windows 7. Covers Powershell V2, Bitlocker, and mobility issues Includes comprehensive details for configuration,

deployment, and troubleshooting Consists of content written for system administrators by system administrators 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.

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, datacenters, 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

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

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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

Cloud computing-accessing computing resources over the Internet-is rapidly changing the landscape of information technology. Its primary benefits compared to on-premise computing models are reduced costs and increased agility and scalability. Hence, cloud computing is receiving considerable interest among several stakeholders-businesses, the IT ind

Containing checklists and technical best practices; this guide explains how to maximize the suite components to enable and manage secure access to applications and data across the Internet; intranets; extranets; and WANs; LANs; and wireless networks. --

Troubleshooting Citrix XendesktopPackt Publishing

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-world 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.

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.

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

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.

This practical guide helps you to administer Citrix Provisioning Services. Each chapter is structured in way to help you easily understand the various features, with accompanying practical examples that help beginners to quickly understand the product. This book is a useful guide for an admin/engineer who is new to the Citrix virtualization solution and provisioning service, and who is looking to get a good grounding in Citrix PVS. It's assumed that you will have some understanding of the basics of virtualization already, but that's all you need to know!

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.

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.

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.

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 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.

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 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.

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 troubleshooting 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.

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.

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

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.

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 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

File Type PDF Xendesktop Troubleshooting Guide

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

If you are an administrator who is looking to gain a greater understanding of how to design and implement a virtualization solution based on Citrix® XenServer®, then this book is for you. The book will serve as an excellent resource for those who are already familiar with other virtualization platforms, such as Microsoft Hyper-V or VMware vSphere. The book assumes that you have a good working knowledge of servers, networking, and storage technologies.

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.

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