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Citrix XenDesktop
Implementation Getting
Started with XenDesktop® 7.x
Optimizing Citrix(r)
Xendesktop(r) for High
Performance Getting Started
with Xendesktop 7.X XenServer
Administration Handbook
Citrix XenDesktop® Cookbook
Citrix Xenserver 6. 0
Administration Essential Guide
Application Layering with
VMware App Volumes DaaS -
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XenApp™ Platinum Edition
Advanced Concepts: The
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Apps and Desktops
Troubleshooting Citrix
XenDesktop & XenApp 7.7/7.8
Troubleshooting Citrix
XenDesktop® Getting Started
with Citrix XenApp® 7.6
Getting Started with Citrix®
Provisioning Services 7.0

Mastering Citrix®
XenDesktop® CITRIX ACCESS
SUITE 4 ADVANCED
CONCEPTS: THE OFFICIAL
GUIDE, 2/E The Definitive
Guide to Citrix MetaFrame XP
Citrix Metaframe for Windows
Terminal Services Citrix
Xendesktop Cookbook Third
Edition Citrix MetaFrame XP
Mastering XenApp® Citrix
XenDesktop & XenApp 7.7/7.8
Citrix XenApp Platinum Edition
for Windows: The Official
Guide Optimizing Citrix®
XenDesktop® for High
Performance IBM Flex System
p270 Compute Node Planning
and Implementation Guide
Virtualization, A Beginner's
Guide Troubleshooting Citrix
XenApp® XenServer
Administration Handbook
Citrix MetaFrame Access Suite
for Windows Server 2003 How

To Do Virtualization Learning
VMware App Volumes Inside
Citrix MetaFrame XP Citrix
Access Suite 4 for Windows
Server 2003: The Official
Guide, Third Edition Getting
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XenApp™ Platinum Edition
Advanced Concepts: The
Official Guide Implementing
NetScaler VPX™ Citrix
Xenserver 6.0 Administration
Essential Guide Instant Citrix
XenDesktop 5 Starter Getting
Started with Citrix XenApp 6.5

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. Over 40 engaging recipes that will help you implement a full-featured XenDesktop® 7.6 architecture and its main satellite components

About This Book

- Implement, configure, and optimize the migration from a physical to a VDI architecture using XenDesktop 7.6
- Publish desktops and applications to the end user devices, optimizing their performance and increasing the security for the delivered resources
- A pragmatic guide that helps you to explore the XenDesktop 7.6 architecture and its related components to implement a service-oriented architecture based on the Citrix FlexCast approach

Who This Book Is For

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. Experience of the

virtualized environment and an understanding of the general concepts of desktop virtualization (VDI) are required. What You Will Learn

- Upgrade from XenDesktop 5.6 / 7.x to XenDesktop 7.6
- Configure and deploy virtual machines for XenDesktop 7.6
- Perform configuration and optimization operations for desktop and server OS images for future deployments
- Plan and configure XenDesktop user experience
- Execute desktop environment administration tasks, including catalog creation, power management, and resource allocation
- Understand how to publish the hosted applications, Local Access Apps (LAA), and applications using Microsoft App-V
- Work with XenDesktop PowerShell to reduce the time required to perform the management tasks by the creation of the PowerShell scripts
- Implement the two-factor hardware and software authentication for XenDesktop
- Install and configure Citrix Netscaler Gateway 10.5 and Citrix XenMobile 10 to improve

the quality, the performance, and the manageability of your Virtual Desktop Infrastructure (VDI) architecture. In Detail In the era of Bring Your Own Device (BYOD) and consecration of the mobile devices, Citrix has strengthened its position in this market, powering its desktop and application virtualization platforms, integrating the ability to publish virtual and physical desktops with the capability to assign applications and contents in a secure manner on any device, anywhere, more than previous versions. The XenDesktop 7.6 version is a more integrated platform, which permits the use and interaction with mobility and cloud platforms leaders in the market. This book will help you understand how to implement, configure, and optimize migration from a physical to a VDI architecture, moving from a standard application approach to a centralized and more secure way to assign and release resources to the end users. The book begins with the upgrade

and installation procedures for the core infrastructural components, along with an explanation of how to deploy and optimize procedures for desktop virtual machines. Moving on, you will perform desktop and applications deployment through the XenDesktop core plus integrated publishing platforms, such as Microsoft App-V. Finally, the book explains how to install and configure important collateral platforms such as the Citrix Netscaler, Citrix CloudBridge and Citrix XenMobile platforms, along with execution of the most advanced activities and configurations. Style and approach This book is a step-by-step course that includes standard and high-level tasks oriented to deploy a full-functioning Citrix environment. This practical approach is based on both GUI and command-line operations, which gives IT professionals an alternative on the way to operate, where possible. This step-by-step guide defines the strategies and provides the

framework for successfully designing and implementing an enterprise deployment of Terminal Services and MetaFrame. 30 illustrations. This Citrix-authorized guide explains how to build a robust, reliable, and scalable thin-client computing environment and deploy Windows 2000/Windows 2003 Server and MetaFrame. Readers learn to centralize application management, reduce software on the desktop, and eliminate terminal emulation. Migrate to a dynamic, on-demand data delivery platform "If you're looking to hit the ground running with any virtualization project, large or small, this book is going to give you the start you need, and along the way will offer you some cautionary tales that will even take some seasoned virtualization veterans by surprise." --From the foreword by Chris Wolf, Senior Analyst, Burton Group Transform your IT infrastructure into a leaner, greener datacenter with expert guidance from a pair of industry professionals.

Through clear explanations, examples, and a five-step deployment plan, *Virtualization: A Beginner's Guide* shows you how to maximize the latest technologies from Citrix, Microsoft, and VMware. Consolidate your servers, set up virtual machines and applications, and manage virtual desktop environments. You'll also learn how to implement reliable security, monitoring, and backup procedures. Select a virtualization platform and develop rollout plans Perform pre-deployment network and workstation tests Configure virtual machines, storage devices, and workloads Set up and secure a fully virtualized and highly available server environment Manage a centralized, on-demand application delivery framework Handle volatile and persistent desktop virtualization Use hypervisors to facilitate workload delivery Implement failsafe system backup and recovery strategies The most comprehensive reference on

the market for MetaFrame XP and the only book with a strong focus on Web-enabling enterprise applications using NFuse technology, this guide contains several real-world examples to drive home the main points. 'Desktop-as-a-Service' or 'DaaS' for short, is a hosted computing offering where the provider hosts and delivers virtual desktops and applications over the internet to the end users. With the rise of Cloud services, several companies jumped on the 'DaaS' bandwagon and today a myriad of offerings from different vendors are available. For companies considering 'DaaS', that poses a problem. How do I start? Which vendor should I evaluate? How these compare to each other? This book covers everything you need to know to deploy a Microsoft Azure hosted solution, not only using Microsoft's own Azure Virtual Desktop (AVD) platform but also Nutanix Xi Frame, Citrix Cloud, VMware Horizon Cloud and even a hybrid solution (delivering on-premises and

cloud hosted desktops) from Accops. From creating your account on Azure, connecting your on-premises environment to Azure, all the way to deploying all these solutions, every single item is there, explained in very detailed step-by-step guides by Cláudio Rodrigues (former Microsoft MVP/Citrix CTP/VMware vExpert/Parallels VIPP), a well-known figure in the End User Computing (EUC) arena. And keep in mind the book will take you beyond 'DaaS', discussing important topics often forgotten like endpoint management, printing and monitoring. If you know nothing about 'DaaS' or are very familiar with one vendor, it does not matter. We have you covered and this book will definitely help you on your 'DaaS' journey or on expanding your knowledge about all the other vendors. 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! 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 Administrator 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. 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. 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. 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. Implement the new features of Citrix NetScaler 11 to optimize and deploy secure web services on multiple virtualization platforms About This Book Learn how to design, set up, and deploy NetScaler VPX along with the new Jumbo frames in a virtual environment using your GUI as well as your CLI for both public and private clouds to make all your web applications faster and more secure Enrich your networking skills utilizing the new features of AAA by following the instructions to optimize network traffic A step-by-step guide that will show you how to work with the latest NetScaler, 11, by implementing its new features using sample

scenarios and real-world examples Who This Book Is For This book is for Citrix administrators who are just getting started with NetScaler, have some basic networking skills This book does not require prior experience of NetScaler. What You Will Learn Configure different VPN solutions and learn about ICA Proxy, Unified Gateway and SSL VPN Set up load balancing for SharePoint, Exchange, Lync, SQL and other Citrix components Gain insights into traffic management with NetScaler, Wireshark, and Citrix Insight Protect your web services with an application firewall, HTTP, DOS, and AAA Optimize traffic using front-end optimization, caching, and compression Deploy a high availability environment Use NetScaler in public cloud providers such as Azure or Amazon Advance your network knowledge of TCP and SSL optimization In Detail With a large demand for responsive websites and availability of services, IT administrators are faced with an ever-rising need

for services that are optimized for speed. NetScaler VPX is a software-based virtual appliance that provides users with the comprehensive NetScaler feature set. Implementing apps and cloud-based services is much easier with its increased service performance and integrated security features. This book will give you an insight into all the new features that NetScaler VPX™ has to offer. Starting off with the basics, you will learn how to set NetScaler up and configure it in a virtual environment including the new features available in version 11, such as unified gateway and portal theme customization. Next, the book will cover how to deploy NetScaler on Azure and Amazon, and you will also discover how to integrate it with an existing Citrix infrastructure. Next, you will venture into other topics such as load balancing Microsoft and Citrix solutions, configuring different forms of high availability Global Server Load Balancing (GSLB), and

network optimization. You will also learn how to troubleshoot and analyze data using NetScaler's extensive array of features. Finally, you will discover how to protect web services using an application firewall and will get to grips with other features such as HTTP, DOS, and AAA. Style and approach This easy-to-follow guide is full of detailed step-by-step instructions on how to implement the key components in NetScaler, using real-world examples and sample scenarios. 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 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 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. --
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. 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. If you want to learn how to do virtualization, then get this step-by-step guide. In this step-by-step guide, you will discover:

- How virtualization works.
- How virtualization benefits you.
- Different types of virtualization
- How to build virtual machines
- How to virtualize desktop environment
- Step-by-step actions steps to virtualize a server
- Microsoft Virtual PC tips
- Citrix XenServer tips
- How to build a virtual application
- How to install a sequencer
- how to

sequence a package - And much more. HowExpert publishes quick 'how to' guides on all topics from A to Z by everyday experts. 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 Design and implement Citrix farms based on XenApp 6.5. 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. Successfully deploy XenDesktop sites for a high performance Virtual Desktop Infrastructure (VDI) About This Book Size the VDI environment so the administrator has breathing room to design and build their XenDesktop systems efficiently Use desktop virtualization tools to provide users fast, convenient access to their Windows Desktops Understand the key pinch points in the resource layers such as; the Client layer, Network Layer, Access Layer, Control Layer, Services Layer and Resources Layer Who This Book Is For Citrix XenDesktop High Performance is written for administrators who would like to deploy Citrix XenDesktop in their enterprises with the aim of

providing high efficiency. Basic familiarity with Citrix XenDesktop is assumed. What You Will Learn Understand key concepts, terminology, and system requirements Discover how components work in regards to virtualization and performance Identify architectural resource layers and components Explore the hypervisor virtualization software that runs on top of the hardware and learn how to tune it for maximum performance Analyze client hardware and software, including thin clients and mobile devices In Detail Citrix XenDesktop is a suite of desktop virtualization tools designed to provide users with fast and convenient access to their Windows desktops and applications through any device. Virtual desktops mean that rather than setting up hundreds or thousands of individual computers in an enterprise, companies can instead opt to create servers with large amounts of memory, disk, and processing resources, and use virtualization to offer

these resources to end users. The result of this is that users are provided with an experience that appears to be identical to having an individual desktop PC. Each user has some disk space, processor time, and memory allocated to them, as though it is present on their own physical machine, when in reality, the resources are physically present on a centralized server. This book starts by answering the basic questions you need to ask when considering XenDesktop, followed by methods of how you can properly size your server infrastructure for XenDesktop. You'll discover how to optimize the virtual machines used in XenDesktop, how to optimize your network for XenDesktop, and how to optimize the hypervisor and the cloud. You'll also learn how to monitor XenDesktop to maximize performance. By the end of the book, you will be able to plan, design, build, and deploy high performance XenDesktop Virtualization systems in enterprises. You will

also know how to monitor and maintain your systems to ensure smooth operation. Style and approach This book is an all-inclusive guide that uncovers hidden and previously unpublished performance improvement areas for any XenDesktop site. Deploy and manage XenServer in your enterprise to create, integrate, manage and automate a virtual datacenter quickly and easily. Learning to install, configure, and manage Citrix Provisioning Services is made so much faster and simpler with this practical guide. Making no assumptions of prior knowledge, it takes you step by step through the product features. In Detail Disk streaming technology is advancing rapidly. Ardence (who were later acquired by Citrix) originally developed the disk streaming software now called Citrix Provisioning Services. Citrix Provisioning Services helps you stream a virtual disk across physical and virtual machines. It works at boot by using PXE to contact a TFTP server and pull down a

small patron that registers the system. From there, it starts sending the individual blocks of virtual disk to the system that needs to boot via the network. Getting Started with Citrix Provisioning Services 7.0 is a hands-on implementation guide that helps you to learn about the installation, configuration, management, and operation of Citrix Provisioning Services in a step-by-step manner. This will help you to take advantage of the real power behind Citrix Provisioning Services. The book gives you a good grounding in operating Citrix Provisioning Services with practical implementations, which are all fully backed up with code and illustrations. his book will help you get familiar with virtualization and its implications, starting with characteristics of virtualization such as single image management, consolidation, centralized control, and on-demand streaming of virtual disks to Enterprise systems and to their customers. In order to get a broader understanding of all the available features, you

start with an overview of Citrix PVS before moving on to installation, configuration, and managing the system, allowing you to develop hands-on operational and administrative experience. You will also learn how to create a Vdisk, as well as how to manage farms, sites, stores, and the Provisioning server using Citrix Provisioning Services. If you want to take advantage of disk streaming using Citrix Provisioning Services, then this is the book for you. With this book, you will learn everything you need to know about Citrix Provisioning Services from an administrator/engineer's standpoint. What You Will Learn Install Citrix Provisioning Services Configure Citrix Provisioning Services Create and manage Vdisks Prepare a Master Target device Manage farms, stores, sites, and the Provisioning server Upgrade farms and Vdisks Downloading the example code for this book. You can ... Step-by-step guide to designing, deploying and managing VMware App

Volumes DESCRIPTION
Delivering applications within a virtual desktop environment has always proven to be a challenge given the stateless nature in which virtual desktops are deployed. How can organizations deliver applications each time an end user logs in to his or her desktop given that the desktop they just logged in to has been created as a brand-new machine and basically has nothing installed on it? App Volumes delivers applications in real-time to virtual desktop machines, enabling VDI deployments to return even greater flexibility, agility and cost reduction. Enterprises can fully utilize the stateless virtual desktop model in all use VDI uses cases. For users such as developers who required a persistent, fully-stateful virtual desktop machine of their own, they too can take advantage of the advantages of a stateless virtual desktop model enabling better return on investment as well as centralised application delivery. This book will guide you on a journey of how to

deploy an App Volumes environment, with easy-to-follow step by step instructions with real-life screenshots based on a test lab environment that you can build as you go. The book starts with an overview of what App Volumes delivers and the challenges it resolves. From there, we will start to explore the architecture and components that make up the solution, concentrating on how to design and plan your own environment. Once you have understood the technology and use cases, then it's time to start installing and configuring the App Volumes software. Once installed we can then start to look more closely at the core components to the App Volumes solution and how to build your application layers. As part of this, we will also cover some of the more advanced management tasks for managing the environment. Once you have built the core environment and created some examples of application layers, we will then look at how to integrate App Volumes with some of the other EUC

technologies that are available in the market such as VMware ThinApp, Microsoft RDSH, Citrix XenApp (Citrix Virtual Apps), and Citrix XenDesktop (Citrix Virtual Desktop). Throughout this book we will provide you with useful hints and tips, along with best practices, all based on experience of deploying App Volumes within the Enterprise. At the end of the journey, you will have built a complete working App Volumes environment and will have acquired the skills and knowledge to deploy your own production environment. **KEY FEATURES** Understanding the concept of application layering App Volumes architecture overview Installing App Volumes Working with App Volumes, App Stacks and Writeable Volumes Integration with VDI, app publishing, and desktop publishing solutions Advanced configuration and management **WHAT WILL YOU LEARN** This book will enable you to learn about how to deliver real-time applications using

VMware App Volumes. You will start by learning about the architecture of the solution, the use cases, and what benefits it delivers. Following the introduction, you will learn how to install the App Volumes software, how to configure it and then how to create your application layers to ready them for delivery to end users. Finally, you will learn how App Volumes integrate into not only other VMware EUC technologies, but also some of the market-leading third-party solutions from Citrix and Microsoft. **WHO THIS BOOK IS FOR** This book is designed for virtual desktop administrators and architects who are looking to design and deploy a solution that can deliver applications on-demand to end users who are using virtual desktop machines. App Volumes enables them to move to a stateless VDI model which is both more cost effective and easier to manage. To understand the concepts and technology used in this book you will need to have a good working knowledge of the

Microsoft Windows operating systems for both desktops (namely virtual desktops) and servers (used for installing App Volumes and other functions such as AD, file sharing, and RDSH). You will also need experience in managing and administering a vSphere environment used to host the solution. As App Volumes is all about delivering applications, you should have a good working knowledge of Windows app delivery methodologies as well as publishing apps using Microsoft RDSH. This book will guide you through the complete process, step-by-step, in building an App Volumes environment.

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Over 40 engaging recipes that will help you implement a full-featured XenDesktop® 7.6 architecture and its main satellite components

About This Book

Implement, configure, and optimize the migration from a physical to a VDI architecture using XenDesktop 7.6

Publish desktops and applications to the end user devices, optimizing their performance and increasing the security for the delivered resources

A pragmatic guide that helps you to explore the XenDesktop 7.6 architecture and its related components to implement a service-oriented architecture based on the Citrix FlexCast approach

Who This Book Is For

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. Experience of the virtualized environment and an understanding of the general concepts of desktop virtualization (VDI) are required. What You Will Learn

- Upgrade from XenDesktop 5.6 / 7.x to XenDesktop 7.6
- Configure and deploy virtual machines for XenDesktop 7.6
- Perform configuration and optimization operations for desktop and server OS images for future deployments
- Plan and configure XenDesktop user experience
- Execute desktop environment administration tasks, including catalog creation, power management, and resource allocation
- Understand how to publish the hosted applications, Local Access Apps (LAA), and applications using Microsoft App-V
- Work with XenDesktop PowerShell to reduce the time required to perform the management tasks by the creation of the PowerShell scripts
- Implement the two-factor hardware and software authentication for XenDesktop
- Install and configure Citrix Netscaler Gateway 10.5 and

Citrix XenMobile 10 to improve the quality, the performance, and the manageability of your Virtual Desktop Infrastructure (VDI) architecture

In Detail

In the era of Bring Your Own Device (BYOD) and consecration of the mobile devices, Citrix has strengthened its position in this market, powering its desktop and application virtualization platforms, integrating the ability to publish virtual and physical desktops with the capability to assign applications and contents in a secure manner on any device, anywhere, more than previous versions. The XenDesktop 7.6 version is a more integrated platform, which permits the use and interaction with mobility and cloud platforms leaders in the market. This book will help you understand how to implement, configure, and optimize migration from a physical to a VDI architecture, moving from a standard application approach to a centralized and more secure way to assign and release resources to the end users. The

book begins with the upgrade and installation procedures for the core infrastructural components, along with an explanation of how to deploy and optimize procedures for desktop virtual machines. Moving on, you will perform desktop and applications deployment through the XenDesktop core plus integrated publishing platforms, such as Microsoft App-V. Finally, the book explains how to install and configure important collateral platforms such as the Citrix Netscaler, Citrix CloudBridge and Citrix XenMobile platforms, along with execution of the most advanced activities and configurations. Style and approach This book is a step-by-step course that includes standard and high-level tasks oriented to deploy a full-functioning Citrix environment. This practical approach is based on both GUI and command-line operations, which gives IT professionals an alternative on the way to operate, where possible. The Authorized Guide to Citrix

XenApp Platinum Edition for Windows Design, deploy, and maintain a virtualized, on-demand enterprise application delivery infrastructure. Citrix XenApp Platinum Edition for Windows: The Official Guide explains how to ensure high availability, enhance productivity, and reduce costs using the powerful features of XenApp. Configure your hardware, install XenApp, handle remote and wireless access, and manage an end-to-end, centralized application delivery system. You'll also learn how to monitor, tune, and secure XenApp using the latest tools and techniques. Configure VPNs using Citrix Access Gateway Authenticate users with Citrix Password Manager and Single Sign-On Assign granular control policies with Citrix SmartAccess Secure XenApp using firewalls, certificates, encryption, IDS, and IPS Monitor and test your system using Citrix EdgeSight and Citrix SmartAuditor Develop fail-safe disaster recovery and business continuity plans Optimize

transmission speed, disk throughput, and memory usage. 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. 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

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. A completely updated version of the bestselling first edition, this is a real-world field guide that details the design and deployment of MetaFrame XP environments. Written from years of practical experience, it provides readers with the insight needed to tackle tough

design issues, including printing, replicated data stores, NFuse classic, server farm design, and coexistence with MetaFrame 1.8. Illustrations. To meet today's complex and ever-changing business demands, you need a solid foundation of compute, storage, networking, and software resources that is simple to deploy and can quickly and automatically adapt to changing conditions. You also need to make full use of broad expertise and proven preferred practices in systems management, applications, hardware maintenance, and more. The IBM® Flex System p270 Compute Node is an IBM Power Systems™ server that is based on the new dual-chip module POWER7+™ processor and is optimized for virtualization, performance, and efficiency. The server supports IBM AIX®, IBM i, or Linux operating environments, and is designed to run various workloads in IBM PureFlex™ System. The p270 Compute Node is a follow-on to the IBM Flex System™ p260 Compute

Node. This IBM Redbooks® publication is a comprehensive guide to the p270 Compute Node. We introduce the related Flex System offerings and describe the compute node in detail. We then describe planning and implementation steps including converged networking, management, virtualization, and operating system installation. This book is for customers, IBM Business Partners, and IBM technical specialists who want to understand the new offerings and plan and implement an IBM Flex System installation that involves the Power Systems compute nodes. Deliver applications to virtual desktop environments in seconds and at scale with the click of a button About This Book Learn how can you deliver a great user experience and drive down storage and management costs Discover hidden gems to deliver applications to virtual desktop environments in seconds This book will help you fully utilize the true potential of VMware App Volumes and design and

build a complete production environment
Who This Book Is For This book is for administrators and IT teams who would like to take full advantage of App Volumes to deal with application workloads. It will also be useful for virtualization professionals and teams who are working on VDI deployments and VMware end user computing solutions.
What You Will Learn Find out how the VMware App Volumes solution can enhance the management and delivery of applications in your desktop environment
Design a real-life App Volumes solution using best practices and following the recommended sizing guides
Install, configure, and deploy App Volumes so it is ready to start delivering applications
Create and prepare applications ready to be delivered to end users
Discover how App Volumes can enhance other desktop solutions by looking at how it integrates with VMware Horizon View, VMware ThinApp, RDSH, and Citrix XenDesktop/XenApp

Understand how to configure the advanced options within App Volumes
In Detail App Volumes provides a virtualized, real-time application delivery engine for virtual desktop infrastructure and is designed to enable VDI deployments to ensure greater flexibility, agility, and cost reduction. This book starts with an in-depth overview of the architecture and components used to design an optimized solution. We then show you how to install and configure App Volumes for different use cases such as VMware View integration, using VMware ThinApp, Citrix XenApp, and more. Throughout the chapters, we provide hints, tips, and tricks as well as best practices. By the end of the book, you will have built a working App Volumes environment and acquired the skills to build and run a production environment.
Style and approach This book comprises of the theoretical explanations that will help you perform a complete App Volumes deployment through step-by-step instructions