

# Citrix NetScaler and Citrix XenDesktop 7 Deployment Guide

# Citrix XenDesktop Deployment Guide

**Gaspare A. Silvestri**

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the author's name.

## **Citrix XenDesktop Deployment Guide:**

**Getting Started with XenDesktop® 7.x** Craig Thomas Ellrod, 2014-04-22 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 *Implementing NetScaler VPX™* Marius Sandbu, 2015-10-23 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 Virtual Apps and Desktops Troubleshooting**

Stefanos Evangelou, 2020-12-10 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 Mastering XenApp® Sunny Jha, 2015-12-11 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 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 Mastering NetScaler VPX™ Rick Roetenberg, Marius Sandbu, 2015-11-23 Learn how to deploy and configure all the available Citrix NetScaler features with the best practices and techniques you need to know About This Book Implement and configure all the available NetScaler Application Delivery features and monitor NetScaler VPX performance in your environment Packed with real word NetScaler deployment scenarios to help you see the configuration principles in action Integrate NetScaler with other Citrix technologies including CloudBridge Application Delivery Controller HDX Insight and Command Center Who This Book Is For If you re an administrator with prior experience using NetScaler then you have everything you need to make the most of this book What You Will Learn Configure the more commonly used NetScaler VPX features such as basic load balancing authentication NetScaler Gateway and StoreFront Configure the AppExpert features such as Responder Rewrite AppExpert templates parsing HTTP TCP and UDP data Integrate NetScaler with other Citrix technologies such as CloudBridge Insight Center and Command Center Optimize traffic using caching front end optimization and compression Dive deep in the security caching and compression enhancements Protect your environment with AAA and Application Firewall or from HTTP DDoS attacks Troubleshoot an environment using tools such as TaaS and WireShark In Detail Citrix NetScaler is one of the best Application Delivery Controller products in the world The Application Delivery Controllers are commonly used for load balancing purposes to optimize traffic and to perform extra security settings This book will give you an insight into all the available features that the Citrix NetScaler appliance has to offer The book will start with the commonly used NetScaler VPX features such as load balancing and NetScaler Gateway functionality Next we cover features such as Responder Rewrite and the AppExpert templates and how to configure these features After that you will learn more about the other available Citrix technologies that can interact with Citrix NetScaler We also cover troubleshooting optimizing traffic caching performing protection using Application Firewall and denying HTTP DDoS attacks for web services Finally we will demonstrate the different configuration principles real world Citrix NetScaler deployment scenarios Style and approach This easy to follow guide explains as much as possible about each feature and its configuration Each topic is explained sequentially in the process of configuring and deploying the feature Optimizing Citrix® XenDesktop® for High Performance Craig Thomas Ellrod, 2015-12-28 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

**Learning VMware App Volumes** Peter von Oven, 2016-03-30 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      **Citrix XenDesktop® Cookbook**

Gaspare A. Silvestri, 2015-08-31 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 Citrix Xendesktop Cookbook Third Edition Gaspare A. Silvestri, 2015-08-31 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 **Cloud Computing Security**

John R. Vacca, 2016-09-19 This handbook offers a comprehensive overview of cloud computing security technology and implementation while exploring practical solutions to a wide range of cloud computing security issues With more organizations using cloud computing and cloud providers for data operations proper security in these and other potentially vulnerable areas have become a priority for organizations of all sizes across the globe Research efforts from both academia and industry in all security aspects related to cloud computing are gathered within one reference guide **Citrix**

**XenDesktop Implementation** Gareth R. James, 2010-10-29 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 **Citrix**

**XenDesktop & XenApp 7.7/7.8** Göran Eibel, 2016-05-04 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

Getting Started with Citrix Vdi-in-a-Box Stuart Arthur Brown,2013 A practical and fast paced guide that gives you all the information you need to simplify and streamline virtual desktops so you get a production quality solution while instantly lowering your costs and improving security Getting Started with Citrix VDI in a Box is great for IT professionals who are new to VDI in a Box and who are looking for a good grounding in the product You may be planning to research VDI in a Box in more detail or you may be tasked with researching how VDI in a Box could improve the productivity of your organization No prior knowledge of VDI in a Box is required just an understanding of Windows networks

*Citrix XenApp™ Platinum Edition Advanced Concepts: The Official Guide* Citrix Systems, Inc.,2008-06-02 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

Citrix Infrastructure Blueprint: End-to-End Design, Deployment, and Operations for Virtual Apps and Desktops William E Clark,2025-08-31 Citrix Infrastructure Blueprint End to End Design Deployment and Operations for Virtual Apps and Desktops is a definitive guide for IT architects engineers and decision makers who design and operate enterprise scale Citrix environments The book opens with a clear concise history and foundational overview of Citrix technologies Citrix Workspace Virtual Apps and Desktops delivery controllers and hypervisor

integrations framing today's architecture within the broader shift to cloud and hybrid delivery models. Moving from principles to practice, the book provides detailed real-world guidance for designing resilient, secure, and high-performing Citrix infrastructures. Chapters cover capacity planning, multi-tenancy, disaster recovery, topologies, network and security architecture, and performance optimization, while offering prescriptive advice on automated deployment, StoreFront and Gateway integration, identity federation, and comprehensive monitoring to ensure seamless end-user experiences at scale. Advanced sections address micro-segmentation, secure remote access, application layering, and cloud migration strategies, and conclude with operational best practices for governance, cost optimization, observability, automation, and troubleshooting. With forward-looking analysis of AI-driven management and emerging trends, Citrix Infrastructure Blueprint is an indispensable reference for professionals responsible for architecting, deploying, and continuously improving world-class Virtual Apps and Desktops solutions.

**Getting Started with Citrix XenApp® 7.6** Konstantin Cvetanov, 2015-11-06

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 tips 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     **Instant Citrix XenDesktop 5 Starter** Mahmoud Magdy,2013 Your step by step guide to building a full fledged XenDesktop Infrastructure from scratch Learn something new in an Instant A short fast focused guide delivering immediate results Know how to install XenDesktop integrate it with PVS and build streamed and pooled desktops Learn how to build provisioning servers capture VHD files and configure streaming Tips and tricks to design your XenDesktop infrastructure including Hypervisors Storage CPU and memory In Detail The cloud is on the rise and it is here to stay One of the hottest areas pertaining to the cloud is Virtual Desktops Virtual desktops bring great simplicity and empowerment into the organization They reduce cost and enable remote working and bring your own device BYOD With the rise in demand for virtualization skills it is time for you to start building your career with one of the leading desktop virtualization products in the world XenDesktop Instant Citrix XenDesktop 5 Starter with around 40 screenshots detailing every step and every setting has all the steps to guide you through the process to successfully building a full XenDesktop infrastructure even if you have no prior knowledge of virtualization In addition this compact guide provides tips tricks and notes to design a more sophisticated XenDesktop Infrastructure Instant Citrix XenDesktop 5 Starter is a detailed step by step how to guide to design and build a XenDesktop Infrastructure For the more inquisitive readers this book also contains design tips and notes for XenDesktop solutions in addition to great references including websites blogs and Twitter handles In this book you will get started with desktop virtualization by learning how to build provisioning servers how to install the XenDesktop controller website and integrate with the provisioning server and then move on to learn more advanced tasks such as how to create pooled machines using the famous MCS Machine Creation Service and walk through the XenDesktop console You will end by learning a few neat tips and tricks for your hypervisor storage memory and CPU In short with this book you will learn everything you need to know to build a fully fledged XenDesktop infrastructure perform basic administration tasks and design a basic virtual desktop solution     *Application Layering with VMware App Volumes* Peter von Oven,2019-11-13 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 Writable 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 integrates 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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**XenServer Administration Handbook** Tim Mackey, J.K. Benedict, 2016-04-05 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

**Citrix XenApp Platinum Edition for Windows: The Official Guide** Tim Reeser, Steve Kaplan, Brian Casselman, Alan Wood, 2008-11-21 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

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