Citrix Xenapp 7 X Performance Essentials By Luca Dentella

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Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Instant EdgeSight for XenApp is a practical, hands-on guide that contains instruction-based examples from basic to advanced level topics. Instant EdgeSight for XenApp will serve as an excellent source of information for Citrix XenApp professionals and novices alike. It is assumed that readers have experience working with Citrix products and have some sort of familiarity with monitoring.

If you are working as a desktop admin, part of a EUC team, an architect, or a consultant on a desktop virtualization project and you are looking to use VMware's Horizon solution, this book is for you. This book will demonstrate the new capabilities of Horizon 6. You should have experience in desktop management using Windows and Microsoft Office, and be familiar with Active Directory, SQL, Windows Remote Desktop Session Hosting, and VMware vSphere infrastructure (ESXi and vCenter Server) technology.

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

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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

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.

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. This book is a great tool to quickly learn and explore the features offered by XenApp 6.5.Windows system administrators who want a quick lesson on how to install and configure XenApp.

If you're an IT professional, manager, consultant, or architect who wants to learn about hybrid cloud computing using Azure, then this is the book for you.

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

This is an expert level guide that enables you to employ the Citrix XenApp tool to host an effective and secured application virtualization

interface. Recipes containing numerous tips and examples are well organized, and cover the advanced concepts of building a robust virtualization infrastructure. If you are a Citrix XenApp expert and wish to enhance your skills by learning the advanced features and configurations of a XenApp, then this book is for you. This is a follow up to the Getting Started with Citrix XenApp 6.5 Packt Publishing book. Server administrators willing to explore management and monitoring tools who wish to automate Citrix XenApp configurations with PowerShell scripting will certainly be at ease with this book.

Set up and maintain your own cloud-based Infrastructure as a Service (IaaS) using OpenStackAbout This Book• Build and manage a cloud environment using just four virtual machines• Get to grips with mandatory as well as optional OpenStack components and know how they work together• Leverage your cloud environment to provide Infrastructure as a Service (IaaS) with this practical, step-by-step guideWho This Book Is ForThis book is targeted at all aspiring administrators, architects, or students who want to build cloud environments using Openstack. Knowledge of IaaS or cloud computing is recommended.What You Will Learn• Get an introduction to OpenStack and its components• Authenticate and authorize the cloud environment using Keystone• Store and retrieve data and images using storage components such as Cinder, Swift, and Glance• Use Nova to build a Cloud Computing fabric controller• Abstract technology-agnostic networks using the Neutron network component• Gain an understanding of optional components such as Ceilometer, Trove, Ironic, Sahara, Barbican, Zaqar, Designate, Manila, and many more• See how all of the OpenStack components collaborate to provide IaaS to users• Create a production-grade OpenStack and automate your OpenStack CloudIn DetailOpenStack is a free and open source cloud computing platform that is rapidly gaining popularity in Enterprise data centres. It is a scalable operating system and is used to build private and public clouds. It is imperative for all the aspiring cloud administrators to possess OpenStack skills if they want to succeed in the cloud-led IT infrastructure space.This book will help you gain a clearer understanding of OpenStack's components and their interaction with each other to build a cloud environment. You will learn to deploy a self-service based cloud using just four virtual machines and standard networking.You begin with an introduction on the basics of cloud computing. This is followed by a brief look into the need for authentication and authorization, the different aspects of dashboards, cloud computing fabric controllers, along with "Networking as a Service" and "Software Defined Networking." Then, you will focus on installing, configuring, and troubleshooting different architectures such as Keystone, Horizon, Nova, Neutron, Cinder, Swift, and Glance. Furthermore, you will see how all of the OpenStack components come together in providing IaaS to users. Finally, you will take your OpenStack cloud to the next level by integrating it with other IT ecosystem elements before automation.By the end of this book, you will be proficient with the fundamentals and application of OpenStack.Style and approachThis is a practical step-by-step guide comprising of installation prerequisites and basic troubleshooting instructions to help you build an error-free OpenStack cloud easily.

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If you are an IT architect or system administrator who works with Citrix® XenApp® and need an agile, practical guide to tune and optimize the performance of your XenApp® architecture, this is the book for you. Citrix®, Citrix Systems®, XenApp®, XenDesktop® and CloudPortal™ are trademarks of Citrix Systems, Inc. and/or one or more of its subsidiaries, and may be registered in the United States Patent and Trademark Office and in other countries.

Citrix Presentation Server allows remote users to work off a network server as if they weren't remote. That means: Incredibly fast access to data and applications for users, no third party VPN connection, and no latency issues. All of these features make Citrix Presentation Server a great tool for increasing access and productivity for remote users. Unfortunately, these same features make Citrix just as dangerous to the network it's running on. By definition, Citrix is granting remote users direct access to corporate servers?..achieving this type of access is also the holy grail for malicious hackers. To compromise a server running Citrix Presentation Server, a hacker need not penetrate a heavily defended corporate or government server. They can simply compromise the far more vulnerable laptop, remote office, or home office of any computer connected to that server by Citrix Presentation Server. All of this makes Citrix Presentation Server a high-value target for malicious hackers. And although it is a high-value target, Citrix Presentation Servers and remote workstations are often relatively easily hacked, because they are often times deployed by overworked system administrators who haven't even configured the most basic security features offered by Citrix. "The problem, in other words, isn't a lack of options for securing Citrix instances; the problem is that administrators aren't using them." (eWeek, October 2007). In support of this assertion Security researcher Petko D. Petkov, aka "pdp", said in an Oct. 4 posting that his recent testing of Citrix gateways led him to "tons" of "wide-open" Citrix instances, including 10 on government domains and four on military domains. * The most comprehensive book published for system administrators providing step-by-step instructions for a secure Citrix Presentation Server. * Special chapter by Security researcher Petko D. Petkov'aka "pdp detailing tactics used by malicious hackers to compromise Citrix Presentation Servers. * Companion Web site contains custom Citrix scripts for administrators to install, configure, and troubleshoot Citrix Presentation Server.

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. Unbeatable advice and expert tips for evaluating, designing, and deploying virtualization solutions If you're an IT professional, you know that virtualization is essential in today's computer infrastructures. This valuable reference is your key to all things Microsoft virtualization. Written by a Microsoft Most Valuable Professional (MVP), it breaks down all the various technologies, what they mean to your organization in terms of saving money and solving problems, and how to design and deploy various solutions effectively. You'll find invaluable tips and information on such topics as Hyper-V, the changes that Windows 8 brings, private cloud scenarios, and more. Written by well-known 11-time Microsoft MVP, Windows expert, and Microsoft insider, John Savill Provides practical advice and expert insights on understanding, evaluating, designing, and deploying virtualization solutions Keeps you up to date with how Windows 8 and Windows Server "8" affect your virtualization processes Covers virtualization in all its forms--machine, application, and user Explores the private cloud and public cloud and what they mean to your organization Focuses on Microsoft solutions such as Hyper-V, but also delves into Citrix, Quest software, AppSense, and other Microsoft partner solutions Discusses bringing your own device requirements through VDI and session virtualization and which one is right Features video demonstrations and walkthroughs of some processes Microsoft Virtualization Secrets is like having a built-in Microsoft expert on hand to help you avoid mistakes and save time!

This two volume set LNCS 8285 and 8286 constitutes the proceedings of the 13th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2013, held in Vietri sul Mare, Italy in December 2013. The first volume contains 10 distinguished and 31 regular papers selected from 90 submissions and covering topics such as big data, multi-core programming and software tools, distributed scheduling and load balancing, high-performance scientific computing, parallel algorithms, parallel architectures, scalable and distributed databases, dependability in distributed and parallel systems, wireless and mobile computing. The second volume consists of four sections including 35 papers from one symposium and three workshops held in conjunction with ICA3PP 2013 main conference. These are 13 papers from the 2013 International Symposium on Advances of Distributed and Parallel Computing (ADPC 2013), 5 papers of the International Workshop on Big Data Computing (BDC 2013), 10 papers of the International Workshop on Trusted Information in Big Data (TIBiDa 2013) as well as 7 papers belonging to Workshop on Cloud-assisted Smart Cyber-Physical Systems (C-Smart CPS 2013).

Information Technology is responsible for approximately 2% of the world's emission of greenhouse gases. The IT sector itself contributes to these greenhouse gas emissions, through its massive consumption of energy - and therefore continuously exacerbates the problem. At the same time, however, the IT industry can provide the technological solutions we need to optimise resource use, save energy and reduce greenhouse gas emissions. We call this Greening IT. This book looks into the great potential of greening society with IT - i.e. the potential of IT in transforming our societies into Low-Carbon societies. The book is the result of an internationally collaborative effort by a number of opinion leaders in the field of Greening IT.

Dieses Buch gibt einen tiefgehenden Einblick in die neuen Architekturen und Konzepte der aktuellen Citrix XenDesktop und XenApp Technologien zur zentralen Bereitstellung von Desktops und Applikationen. Es richtet sich sowohl an Neueinsteiger in die Citrix Virtualisierungswelt als auch an Umsteiger von Vorgängerversionen. Alle notwendigen Schritte für die Erstellung eines Designs und der Aufbau sowie Betrieb einer vollständigen, skalierbaren Virtualisierungsumgebung werden ausführlich und praxisnah behandelt. Darüber hinaus zeichnen wertvolle Ratschläge und umfassende Hintergrundinformationen dieses lösungsorientierte Kompendium aus und machen es zu einem unverzichtbaren Begleiter für IT-Systemarchitekten, Berater und Administratoren.

Learn how you can put the features of OpenStack to work in the real world in this comprehensive path About This Book Harness the abilities of experienced OpenStack administrators and architects, and run your own private cloud successfully Learn how to install, configure, and manage all of the OpenStack core projects including topics on Object Storage, Block Storage, and Neutron Networking services such as LBaaS and FWaaS Get better equipped to troubleshoot and solve common problems in performance, availability, and automation that confront production-ready OpenStack environments Who This Book Is For This course is for those who are new to OpenStack who want to learn the cloud networking fundamentals and get started with OpenStack networking. Basic understanding of Linux Operating System, Virtualization, and Networking, and Storage principles will come in handy. What You Will Learn Get an introduction to OpenStack and its components Store and retrieve data and images using storage components, such as Cinder, Swift, and Glance Install and configure Swift, the OpenStack Object Storage service, including configuring Container Replication between datacenters Gain hands on experience and familiarity with Horizon, the OpenStack Dashboard user interface Learn how to automate OpenStack installations using Ansible and Foreman Follow practical advice and examples for running OpenStack in production Fix common issues with images served through Glance and master the art of troubleshooting Neutron networking In Detail OpenStack is a collection of software projects that work together to provide a cloud fabric. Learning OpenStack Cloud Computing course is an exquisite guide that you will need to build cloud environments proficiently. This course will help you gain a clearer understanding of OpenStack's components and their interaction with each other to build a cloud environment. The first module, Learning OpenStack, starts with a brief look into the need for authentication and authorization, the different aspects of dashboards, cloud computing fabric controllers, along with 'Networking as a Service' and 'Software defined Networking'. Then, you will focus on installing, configuring, and troubleshooting different architectures such as Keystone, Horizon, Nova, Neutron, Cinder, Swift, and Glance. After getting familiar with the fundamentals and application of OpenStack, let's move deeper into the

realm of OpenStack. In the second module, OpenStack Cloud Computing Cookbook, preview how to build and operate OpenStack cloud computing, storage, networking, and automation. Dive into Neutron, the OpenStack Networking service, and get your hands dirty with configuring ML2, networks, routers, and distributed virtual routers. Further, you'll learn practical examples of Block Storage, LBaaS, and FBaaS. The final module, Troubleshooting OpenStack, will help you quickly diagnose, troubleshoot, and correct problems in your OpenStack. We will diagnose and remediate issues in Keystone, Glance, Neutron networking, Nova, Cinder block storage, Swift object storage, and issues caused by Heat orchestration. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Learning OpenStack by Alok Shrivastwa, Sunil Sarat OpenStack Cloud Computing Cookbook - Third Edition by Kevin Jackson , Cody Bunch, Egle Sigler Troubleshooting OpenStack by Tony Campbell Style and approach This course aims to create a smooth learning path that will teach you how to get started with setting up private and public clouds using a free and open source cloud computing platform—OpenStack. Through this comprehensive course, you'll learn OpenStack Cloud computing from scratch to finish and more!

If you are an IT architect or system administrator who works with Citrix(R) XenApp(R) and need an agile, practical guide to tune and optimize the performance of your XenApp(R) architecture, this is the book for you. Citrix(R), Citrix Systems(R), XenApp(R), XenDesktop(R) and CloudPortal(TM) are trademarks of Citrix Systems, Inc. and/or one or more of its subsidiaries, and may be registered in the United States Patent and Trademark Office and in other countries.

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 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.

Build your own cloud based Database as a Service using OpenStack Trove About This Book Familiarize yourself with the concept of Database as a Service and make your existing system scalable and efficient with OpenStack Trove Minimize the administrative tasks and complexities of managing your cloud infrastructure This is a fast-paced guide to datastore management on the OpenStack platform using OpenStack Trove Who This Book Is For If you are a DBA / system administrator / architect, or a student who wants to build a Database as a Service based on OpenStack, this book is for you. You should have a basic knowledge of OpenStack components, RDBMS/NoSQL, IaaS, and cloud computing. What You Will Learn Get to grips with the basics of OpenStack and the prerequisites to install Trove Understand the expectations of DBaaS and how Trove can help you achieve them Set up a basic installation of DevStack (Development Stack) in a virtual box Install Trove and utilize its configuration groups to manage and tune databases Use Image builder to create guest images for Trove Utilize Trove to provision your first database instance Back up and restore your

databases with the help of Trove In Detail OpenStack has become an extremely popular solution to build public and private clouds with. Database as a Service (DBaaS) enables the delivery of more agile database services at lower costs. Some other benefits of DBaaS are secure database deployments and compliance to standards and best practices. Trove is a DBaaS built on OpenStack and is becoming more popular by the day. Since Trove is one of the most recent projects of OpenStack, DBAs and system administrators can find it difficult to set up and run a DBaaS using OpenStack Trove. This book helps DBAs make that step. We start by introducing you to the concepts of DBaaS and how is it implemented using OpenStack Trove. Following this, we look at implementing OpenStack and deploying Trove. Moving on, you will learn to create guest images to be used with Trove. We then look at how to provision databases in self-service mode, and how to perform administration tasks such as backup and recovery, and fine-tuning databases. At the end of the book, we will examine some advanced features of Trove such as replication. Style and approach This fast-paced, step-by-step guide introduces you to DBaaS, OpenStack Trove, and its components, leading you through building your own Cloud-based DBaaS. Using the DevStack deployment method, you will spend less time on installing OpenStack so you can devote more time to learning how to provision and manage databases in a DBaaS environment.

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