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Citrix Virtual Apps and Desktops Troubleshooting A comprehensive guide for Citrix administrators [Stefanos Evangelou](#)
The purpose of this book is to provide a well-organized inventory of Citrix Virtual Apps and Desktops troubleshooting tools and methodologies. It first aims to educate Citrix administrators and users about the various concepts of the Citrix Flexcast Management Architecture (FMA) and to deal with the most frequent issues arising in Citrix Virtual Apps and Desktops environments. This book is addressed to Citrix Virtual Apps and Desktops system administrators, network administrators, technical support technicians and help desk operators as well as to any computer science student or IT hobbyist who wishes to expand their knowledge and skill set in the area of Citrix Virtual Apps and Desktops troubleshooting. **Troubleshooting Citrix XenDesktop®** [Packt Publishing Ltd](#) 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. **Troubleshooting Citrix XenApp®** [Packt Publishing Ltd](#) 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. Citrix XenDesktop Implementation A Practical Guide for IT Professionals [Elsevier](#) 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 Troubleshooting NetScaler Gain essential knowledge and keep your NetScaler environment in top form
About This Book- Learn how the main features - Load Balancing, Content Switching, GSLB, SSL offloading, AAA, AppFirewall, and Gateway work under the hood using vividly explained flows and traces- Explore the NetScaler layout and the various logs, tools and methods available to help you when it's time to debug- An easy-to-follow guide, which will walk you through troubleshooting common issues in your NetScaler environment
Who This Book Is For This book is aimed at NetScaler administrators who have a basic understanding of the product but are looking for deeper exposure and guidance in identifying and fixing issues to keep their application environment performing optimally.
What You Will Learn- Troubleshoot traffic management features such as load balancing, SSL, GSLB and content switching- Identify issues with caching and compression- Deal with authentication issues when using LDAP, RADIUS, certificates, Kerberos and SAML- Diagnose NetScaler high availability and networking issues- Explore how application firewall protections work and how to avoid false positives- Learn about NetScaler Gateway integration issues with XenApp, XenDesktop, and XenMobile- Deal with NetScaler system-level issues- Discover the NetScaler troubleshooting tools
In Detail NetScaler is a high performance Application Delivery Controller (ADC). Making the most of it requires knowledge that straddles the application and networking worlds. As an ADC owner you will also likely be the first person to be solicited when your business applications fail. You will need to be quick in identifying if the problem is with the application, the server, the network, or NetScaler itself. This book provides you with the vital troubleshooting knowledge needed to act fast when issues happen. It gives you a thorough understanding of the NetScaler layout, how it integrates with the network, and what issues to expect when working with the traffic management, authentication, NetScaler Gateway and application firewall features. We will also look at what information to seek out in the logs, how to use tracing, and explore utilities that exist on NetScaler to help you find the root cause of your issues.
Style and approach This helpful guide to troubleshooting NetScaler is delivered in a comprehensive and easy-to-follow manner. The topics in the book adopt a step-by-step approach. **Citrix XenApp® 7.5 Desktop Virtualization Solutions** [Packt Publishing Ltd](#) 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. **Getting Started with Citrix XenApp 6.5** [Packt Publishing Ltd](#) **Design and implement Citrix farms based on XenApp 6.5. Mastering Citrix® XenDesktop®** [Packt Publishing Ltd](#) 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.

Troubleshooting NetScaler [Packt Publishing Ltd](#) Gain essential knowledge and keep your NetScaler environment in top form About This Book Learn how the main features - Load Balancing, Content Switching, GSLB, SSL offloading, AAA, AppFirewall, and Gateway work under the hood using vividly explained flows and traces Explore the NetScaler layout and the various logs, tools and methods available to help you when it's time to debug An easy-to-follow guide, which will walk you through troubleshooting common issues in your NetScaler environment Who This Book Is For This book is aimed at NetScaler administrators who have a basic understanding of the product but are looking for deeper exposure and guidance in identifying and fixing issues to keep their application environment performing optimally. What You Will Learn Troubleshoot traffic management features such as load balancing, SSL, GSLB and content switching Identify issues with caching and compression Deal with authentication issues when using LDAP, RADIUS, certificates, Kerberos and SAML Diagnose NetScaler high availability and networking issues Explore how application firewall protections work and how to avoid false positives Learn about NetScaler Gateway integration issues with XenApp, XenDesktop, and XenMobile Deal with NetScaler system-level issues Discover the NetScaler troubleshooting tools In Detail NetScaler is a high performance Application Delivery Controller (ADC). Making the most of it requires knowledge that straddles the application and networking worlds. As an ADC owner you will also likely be the first person to be solicited when your business applications fail. You will need to be quick in identifying if the problem is with the application, the server, the network, or NetScaler itself. This book provides you with the vital troubleshooting knowledge needed to act fast when issues happen. It gives you a thorough understanding of the NetScaler layout, how it integrates with the network, and what issues to expect when working with the traffic management, authentication, NetScaler Gateway and application firewall features. We will also look at what information to seek out in the logs, how to use tracing, and explore utilities that exist on NetScaler to help you find the root cause of your issues. Style and approach This helpful guide to troubleshooting NetScaler is delivered in a comprehensive and easy-to-follow manner. The topics in the book adopt a step-by-step approach. Practical Imaging Informatics Foundations and Applications for Medical Imaging [Springer Nature](#) This new edition is a comprehensive

source of imaging informatics fundamentals and how those fundamentals are applied in everyday practice. Imaging Informatics Professionals (IIPs) play a critical role in healthcare, and the scope of the profession has grown far beyond the boundaries of the PACS. A successful IIP must understand the PACS itself and all the software systems networked together in the medical environment. Additionally, an IIP must know the workflows of all the imaging team members, have a base in several medical specialties and be fully capable in the realm of information technology. Practical Imaging Informatics has been reorganized to follow a logical progression from basic background information on IT and clinical image management, through daily operations and troubleshooting, to long-term planning. The book has been fully updated to include the latest technologies and procedures, including artificial intelligence and machine learning. Written by a team of renowned international authors from the Society for Imaging Informatics in Medicine and the European Society of Medical Imaging Informatics, this book is an indispensable reference for the practicing IIP. In addition, it is an ideal guide for those studying for a certification exam, biomedical informaticians, trainees with an interest in informatics, and any professional who needs quick access to the nuts and bolts of imaging informatics.

Getting Started with Citrix XenApp 6 [Packt Pub Limited](#) Annotation XenApp 6 is the leader in application hosting and virtualization delivery, allowing users from different platforms such Windows, Mac, Linux, and mobile devices to connect to their business applications. It reduces resources and costs for application distribution and management. Using Citrix XenApp 6, you can deploy secure applications quickly to thousands of users. **Getting Started with Citrix XenApp 6** provides comprehensive details on how to design, implement, and maintain Citrix farms based on XenApp 6. Additionally, you will learn to use management tools and scripts for daily tasks such as managing servers, published resources, printers, and connections. **Getting Started with Citrix XenApp 6** starts by introducing the basics of XenApp such as installing servers and configuring components, and then teaches you how to publish applications and resources on the client device before moving on to configuring content redirection. Author Guillermo Musumeci includes a use case throughout the book to explain advanced topics like creating management scripts and deploying and optimizing XenApp for Citrix XenServer, VMware ESX, and Microsoft Hyper-V virtual machines. It will guide you through an unattended installation of XenApp and components on physical servers. By the end of this book you will have enough knowledge to successfully design and manage your own XenApp 6 Farms. A complete guide to managing a virtualized application environment using XenApp. **Green IT: Reduce Your Information System's Environmental Impact While Adding to the Bottom Line** Reduce Your Information System's Environmental impact While Adding to the Bottom Line [McGraw Hill Professional](#) An estimated 400 million units of obsolete electronics are scrapped annually in the U.S. Virtualization can save an organization \$560 annually in electricity costs per server; this books covers virtualization

and other energy-saving techniques A green IT organization can reduce operation costs, increase employee retention, and improve brand image in the market place **Implementing and Developing Cloud Computing Applications** [CRC Press](#) From small start-ups to major corporations, companies of all sizes have embraced cloud computing for the scalability, reliability, and cost benefits it can provide. It has even been said that cloud computing may have a greater effect on our lives than the PC and dot-com revolutions combined. Filled with comparative charts and decision trees, **Implementing Application Layering with VMware App Volumes** [Designing and deploying VMware App Volumes](#) [BPB Publications](#) **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. **Table of Contents** 1. Introduction to app layering & VMware App Volumes 2. Installing VMware App Volumes 3. Getting familiar with the Management Console 4. Creating & Configuring AppStacks 5. Creating & Configuring Writable Volumes 6. Advanced Configuration 7. App Volumes & JMP 8. Delivering AppStacks with Citrix XenDesktop 9. Delivering App Volumes with Microsoft RemoteApp 10. Delivering App Volumes with Citrix XenApp 11. Delivering AppStacks with Horizon Apps 12. Delivering ThinApp apps with App Volumes **VCP-DCV Official Cert Guide** [Vmware Press Certification VCP-DCV Official Cert Guide](#), Fourth Edition helps you systematically prepare for your VCP-DCV 2019 exam by mastering all key exam objectives associated with vSphere v.6.7. Thoroughly updated for VMware's 2019 exam changes, it offers an exceptionally well-organized and efficient test-preparation system based on proven series elements and techniques. Chapter-opening Do I Know This Already? quizzes help you decide how much time you need to spend on each section, exam topic lists make referencing easy, and chapter-ending Exam Preparation Tasks help you drill on the key concepts you must know thoroughly. The companion website contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your

knowledge to help you focus your study where it is needed most. Leading VMware consultants, trainers, and data center experts John A. Davis, Steve Baca, and Owen Thomas share preparation hints and test-taking tips, helping you identify areas of weakness and improve conceptual knowledge and hands-on skills. Material is presented concisely, focusing on promoting understanding and retention. Coverage includes: vSphere prerequisites Storage and network infrastructure (physical and virtual) vCenter Server features Clusters and virtual machines VMware product integration High availability solutions Securing vSphere Planning and performing vSphere installations Configuring vSphere (SSO and Virtual Networking) Monitoring resources VM configuration and performance Managing networking, storage, security, clusters, resources, vCenter Server, and VMs Well regarded for its detail, assessment features, comprehensive scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. Designing Hyper-V Solutions Packt Publishing Ltd Deploy Microsoft Virtualization and VDI solutions using real-world Hyper-V configurations About This Book Get acquainted with the basics of Windows Server Hyper-V 2012 R2 and understand how to efficiently design a highly available virtualization solution Assess your physical server environment and understand the fundamentals of server consolidation and sizing of Hyper-V hosts Design practical solutions for common design patterns with explanations of these design decisions Who This Book Is For This book is aimed at IT admins, consultants, and architects alike who wish to deploy, manage, and maintain Hyper-V solutions in organizations of various sizes. Readers are expected to have a working knowledge of managing Windows Servers and a fair understanding of networking and storage concepts. What You Will Learn Set up independent and highly available clustered Hyper-V hosts via GUI and PowerShell Acquire knowledge about Generation 1 and 2 Virtual Machines, their creation and management, and also look at the VM Conversion process Understand NIC Teaming, Extensible Virtual Switch, and other networking advancements Gain insight into virtual machine storage changes and its follow-up benefits Discover backup and recovery patterns for Hyper-V Familiarize yourself with the essentials of Hyper-V Replica Leverage the benefits of Microsoft VDI In Detail The IT community has already experienced the benefits of server virtualization. However, they were limited to one option primarily until Microsoft released its flagship Hypervisor platform. Windows Server Hyper-V 2012 and R2 along with Hyper-V Server 2012 and R2 present a cost effective yet robust virtualization solution to enterprises who wish to consolidate their physical server workloads or migrate their pre-existing VMware workloads to Hyper-V. Hyper-V has proven to be a stable and an economical virtualization solution and with its high availability, live migration, and new network virtualization and storage enhancement features, enterprises will never feel the need to consider another alternative. This book is a practical, example-oriented tutorial that will guide you through the basics

and architecture of the Hyper-V platform and thereafter help you understand how to build your Virtualization infrastructure from the ground up. The book then goes on to focus on scalability and high availability aspects and trains you in setting up highly available Hyper-V clusters and the live migration of virtual machines. You will also learn about the advancements in virtual networking and storage in Windows Server 2012. After the implementation guidance, the book then advises you on how to set up backup and recovery and how to prepare a disaster recovery plan via Hyper-V Replica. The book concludes with a good insight into Microsoft VDI implementation guidance. Style and approach This is a handy and easy-to-follow guide that describes virtualization concepts and the Hyper-V design approach. Each topic is explained sequentially and is enhanced with real-world scenarios, practical examples, screenshots, and step-by-step explanations to help readers understand clearly. [Windows PowerShell 2.0 Bible John Wiley & Sons](#) Here's the complete guide to Windows PowerShell 2.0 for administrators and developers [Windows PowerShell is Microsoft's next-generation scripting and automation language. This comprehensive volume provides the background that IT administrators and developers need in order to start using PowerShell automation in exciting new ways. It explains what PowerShell is, how to use the language, and specific ways to apply PowerShell in various technologies. Windows PowerShell is Microsoft's standard automation tool and something that every Windows administrator will eventually have to understand; this book provides the background necessary to apply PowerShell automation. Covers how to use the language and specific ways to apply PowerShell in a variety of scenarios Addresses new features in the latest version of PowerShell and the additional functionality delivered by new products that providedirect or indirect ways to use PowerShell for scripting and automation purposes Explores the language fundamentals and how to use PowerShellfor desktop, server, server application, and virtualization/cloudsituations This thorough guide goes well beyond theory to offer real-worldinformation and new scripting techniques, enabling administratorsand developers to make the most of PowerShell 2.0. Group Policy Fundamentals, Security, and the Managed Desktop John Wiley & Sons "Updated to include Windows 10, 8.1, and 7 and Windows Server 2016 and 2012"--Cover. \[Implementing Citrix XenServer Quickstarter Packt Publishing Ltd\]\(#\) \[Implementing Citrix XenServer Quick Starter\]\(#\) is a practical, hands-on guide that will help you get started with the Citrix XenServer Virtualization technology with easy-to-follow instructions. \[Implementing Citrix XenServer Quick Starter\]\(#\) is for system administrators who have little to no information on virtualization and specifically Citrix XenServer Virtualization. If you're managing a lot of physical servers and are tired of installing, deploying, updating, and managing physical machines on a daily basis over and over again, then you should probably explore your option of XenServer Virtualization. This book will be your best friend to make you a better systems engineer. \[Optimizing Network Traffic Optimizing Network Traffic\]\(#\) is a valuable technical](#)

resource that outlines the best practices for managing enterprise-scale network traffic on a Microsoft Windows NT Server 4.0 network. Based on the real-world experiences and projects of Microsoft Consulting Services (MCS), this guide helps IT professionals plan, increase, and manage network communications systemwide. Referring to **Optimizing Network Traffic** is like having an MCS consultant right there to help you determine the best approach to your network traffic needs. You'll learn how other organizations have wrestled with and resolved similar issues in capturing, benchmarking, and analyzing network traffic data to resolve systemwide problems and scalability issues.

Microsoft System Center PowerShell Essentials [Packt Publishing Ltd](#) If you are a Microsoft System Center administrator who manages System Center environments and utilizes the console for management, then this book is ideal for you. This book is also for System Center users who now want to learn to manage systems using PowerShell.

Microsoft Application Virtualization Cookbook [Packt Publishing Ltd](#) Over 55 hands-on recipes covering the key aspects of a successful App-V deployment

About This Book Deploy a resilient App-V infrastructure Combine App-V with Remote Desktop Services, Citrix XenDesktop, and System Center Configuration Manager Discover Shared Content Store Mode, Scripting, and Connection Groups to extend your deployment Who This Book Is For If you have some experience with App-V but are overwhelmed by the range of features on offer, then this book is for you. A basic understanding of App-V and common Windows Server technologies (Active Directory/Group Policy/PowerShell) is necessary.

What You Will Learn Deploy a full App-V infrastructure Deploy App-V clients and prerequisites Leverage connection groups to combine App-V packages Reduce hardware requirements for your Remote Desktop Session Hosts Extend the use of your investments in Microsoft System Center Configuration Manager Discover which applications your users are running Resolve issues with your deployment quickly Customize App-V packages to your needs Scale out your App-V infrastructure to accommodate increasing requirements In Detail With an ever-increasing number of applications being deployed in the workplace, Microsoft App-V 5 enables administrators to abstract these applications from clients, in turn reducing the time taken to complete the software deployment lifecycle. Part of the Microsoft Desktop Optimization Pack, App-V 5 centralizes the management of applications with a variety of deployment methods to suit each environment. With this hands-on Cookbook, you will learn how best to utilize features of App-V that you may already be familiar with, as well as gain insights into features only recently introduced such as the enhanced Connection Groups and Shared Content Store Mode. The book starts with the deployment of a scalable App-V infrastructure and progresses to cover the sequencing of common applications, as well as how you can take advantage of the new Office 2013 and Office 365 deployment methods. In later chapters, you will discover integrations with Microsoft Remote Desktop Services, Citrix XenDesktop, and Microsoft System Centre Configuration Manager. Finally,

you will learn to leverage the App-V reporting server, Microsoft Excel, and pivot tables to gain insights into which applications are being used, along with how to troubleshoot issues with your deployment. Style and approach A practical Cookbook full of task-based recipes, complete with screenshots and explanations to supplement. Cisco UCS Cookbook [Packt Publishing Ltd](#) Over 40 practical recipes to get your hands dirty with the powerful Cisco UCS and overcome various challenges About This Book Master the skills of minimizing cost, enabling your business to work faster by reducing cycle times for reporting and improving overall revenue Work through hands-on recipes for efficient deployment approaches, see computing techniques, and explore new operational models with UCS Render a better work-flow management, ensure effective monitoring, and learn new deployment paradigms for the operational infrastructure with the help of this book Who This Book Is For This book is for competent system/network or storage administrators who are working with Cisco UCS, but now want to learn new ways to compute UCS. What You Will Learn Familiarize yourself with information on the latest information on memory management practices, virtualization architectures, and the specific technical advantages of UCS Get a concrete understanding of integrating processes and techniques to ensure effective convergence of LAN/SAN Get to know the best practices of Cisco UCS, EMC Storage, and VMware vSphere Master migrating data from other band servers or Blade to Cisco UCS Comprehend how to replicate and back up UCS to remote sites UCS Assimilate innovative techniques to deploy UCS to leverage its full potential Gather information on installing and configuring automatic and manual Pinning Discover ways to integrate a system in Cisco UCS In Detail Cisco Unified Computing System (UCS) is a data center server platform that is used for computing, deploying, and storing resources in data center environments. This cookbook aims to teach you about various tasks you can implement to improve your existing method of configuring and deploying UCS. You will start by learning how to upgrade your firmware on Brocade and Cisco Fibre Channel Switch and will move on to enhance your knowledge of LAN connectivity. We will then discuss how to configure Windows 2008 and 2012 local boot in Cisco UCS. Next, you will learn how to install the operating system on Cisco UCS and use Cisco UCS Power Calculator to calculate the UCS consumption. Finally, we'll take a look at backup solutions. By the end of the book, you will know several ways to build and compute in data center environment using Cisco UCS. Style and approach This guide explains every task in a conversational and easy-to-follow style. You can open this book up to the task you want to learn and will be able to perform that task by the end of the recipe. Enterprise Cloud Computing Technology, Architecture, Applications [Cambridge University Press](#) Cloud computing promises to revolutionize IT and business by making computing available as a utility over the internet. This book is intended primarily for practising software architects who need to assess the impact of such a transformation. It explains the evolution of the internet into a cloud computing platform, describes

emerging development paradigms and technologies, and discusses how these will change the way enterprise applications should be architected for cloud deployment. Gautam Shroff provides a technical description of cloud computing technologies, covering cloud infrastructure and platform services, programming paradigms such as MapReduce, as well as 'do-it-yourself' hosted development tools. He also describes emerging technologies critical to cloud computing. The book also covers the fundamentals of enterprise computing, including a technical introduction to enterprise architecture, so it will interest programmers aspiring to become software architects and serve as a reference for a graduate-level course in software architecture or software engineering. Inside Citrix The FlexCast Management Architecture [Createspace Independent Publishing Platform](#) Inside Citrix - The FlexCast Management Architecture focuses on the FMA, mainly from an architectural point of view. It will discuss, in detail all of its main components and services, their primary roles and responsibilities, including some of the most common optional components, features and/or closely related technologies. From the basics to deep (er) dives where applicable, I will make sure to include something for everybody. Do note that this book is not meant as an installation and/or how-to manual, instead it will dive deeper into the FMA, the true foundation of Citrix XenDesktop and XenApp. Topics include but are not limited to: A deep dive into the FMA's main services, its evolution, a detailed overview on the user authentication, application enumeration and launch processes, Citrix printing, the ICA / HDX protocol, application delivery, MCS, PVS, troubleshooting, some history, fun facts and figures and (much) more. I have concluded each chapter with multiple key takeaways (a few hundred in total) and also included over 100 so-called FMA facts throughout the various chapters. VMware Horizon Suite Building End-User Services [VMWare Press](#) VMware® Horizon Suite The authoritative guide to delivering end-user services with VMware View and VMware Horizon Suite Today, IT professionals must manage stateless, mobile, streamed workspaces delivered across devices ranging from traditional PCs to tablets and smartphones. Using VMware View and VMware Horizon Suite, they can do so-providing flexible end-user services that support any business requirement cost effectively. Now there's a complete guide to planning, configuring, implementing, and integrating VMware Horizon Suite technologies and using them to deliver high-value end-user services in enterprise, managed, and cloud provider environments. This book's deep up-to-date technical content addresses considerations ranging from architecture, deployment, and operations to user experience and support. It offers detailed guidance on integration with VMware View and key third-party technologies. Throughout, it fully reflects the newest VMware View releases, including VMware Horizon Mirage. Relevant, clear, and usable, VMware Horizon Suite contains step-by-step configuration examples, sample scenarios helping you choose the right technologies for your users' needs, and a complete end-user computing design checklist. Coverage includes •

Understanding the new end-user service model and how VMware View and VMware Horizon address it • Mastering VMware View 6 and VMware Workspace 1.8 architectures • Leveraging proven installation and implementation techniques • Efficiently operating Connection, Security, and Transfer servers • Managing agents, clients, portals, composers, and personas • Integrating VMware View and Workspace • Implementing operational best practices, such as desktop pools, user data management, and SaaS • Using VMware Mirage to manage desktop images more intelligently and provide a wider spectrum of end-user services • Delivering multimedia within a View desktop environment • Integrating Microsoft Lync with VMware View • Monitoring VMware View and optimizing its performance

Design and Use of Virtualization Technology in Cloud Computing [IGI Global](#) Cloud computing is rapidly expanding in its applications and capabilities through various parts of society. Utilizing different types of virtualization technologies can push this branch of computing to even greater heights. **Design and Use of Virtualization Technology in Cloud Computing** is a crucial resource that provides in-depth discussions on the background of virtualization, and the ways it can help shape the future of cloud computing technologies. Highlighting relevant topics including grid computing, mobile computing, open source virtualization, and virtualization in education, this scholarly reference source is ideal for computer engineers, academicians, students, and researchers that are interested in learning more about how to infuse current cloud computing technologies with virtualization advancements.

Rds - The Complete Guide: Everything You Need to Know about Rds. and More. Microsoft Remote Desktop Services, or RDS for short, is a complete platform for remote application delivery, on-premises or in the cloud. Several well-known products like Citrix XenApp, VMware Horizon and Parallels RAS use RDS as their foundation. This book covers everything you need to know to deploy a properly configured Microsoft RDS environment, based on Windows Server 2012 R2 and up, using the Remote Desktop Session Host as the platform where the users' applications will run. Deploying, managing, troubleshooting, monitoring, printing, connecting, every single item is there, explained in very detailed step-by-step guides by long time Microsoft MVPs for Remote Desktop, Cláudio Rodrigues and Freek Berson. If you are considering migrating from Citrix or other competing products and you want to learn everything about RDS and more than that, learn it the right way, this is the book for you.

F5 Networks Application Delivery Fundamentals Study Guide [Philip Jönsson & Steven Iveson](#) The only study guide or material you'll need to prepare for the F5 Networks Application Delivery Fundamentals Exam. From the author of the most successful, popular and bestselling F5 technical books available today and the author of the first freely available study guide for this exam. The book's authors have taken great care to ensure all exam topics and fundamental networking areas are covered in full. The OSI Model, the Data Link, Network, Transport and Application Layers, Switching & Routing, F5 Solutions, Load Balancing, Security and Application Delivery Platforms are all covered

in depth. No prior knowledge or experience is assumed. There are 13 chapters, 90 diagrams and over 70 test questions to ensure you have everything necessary to prepare for and pass the exam with confidence. Download of the PDF file has been disabled. **Windows Server 2012 Hyper-V Installation and Configuration Guide** [John Wiley & Sons](#) Go-to guide for using Microsoft's updated Hyper-V as a virtualization solution Windows Server 2012 Hyper-V offers greater scalability, new components, and more options than ever before for large enterprise systems and small/medium businesses. Windows Server 2012 Hyper-V Installation and Configuration Guide is the place to start learning about this new cloud operating system. You'll get up to speed on the architecture, basic deployment and upgrading, creating virtual workloads, designing and implementing advanced network architectures, creating multi-tenant clouds, backup, disaster recovery, and more. The international team of expert authors offers deep technical detail, as well as hands-on exercises and plenty of real-world scenarios, so you thoroughly understand all features and how best to use them. Explains how to deploy, use, manage, and maintain the Windows Server 2012 Hyper-V virtualization solutions in large enterprises and small- to medium-businesses Provides deep technical detail and plenty of exercises showing you how to work with Hyper-V in real-world settings Shows you how to quickly configure Hyper-V from the GUI and use PowerShell to script and automate common tasks Covers deploying Hyper-V hosts, managing virtual machines, network fabrics, cloud computing, and using file servers Also explores virtual SAN storage, creating guest clusters, backup and disaster recovery, using Hyper-V for Virtual Desktop Infrastructure (VDI), and other topics Help make your Hyper-V virtualization solution a success with Windows Server 2012 Hyper-V Installation and Configuration Guide. **Learning OpenStack** Set up and maintain your own cloud-based Infrastructure as a Service (IaaS) using OpenStack About 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 guide Who This Book Is For This 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 Cloud In Detail OpenStack 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 approach This 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.

Alfresco 3 Business Solutions [Packt Publishing Ltd](#) Practical implementation techniques and guidance for delivering business solutions with Alfresco.

Securing the Cloud Security Strategies for the Ubiquitous Data Center [CRC Press](#) This book provides solutions for securing important data stored in something as nebulous sounding as a cloud. A primer on the concepts behind security and the cloud, it explains where and how to store data and what should be avoided at all costs. It presents the views and insight of the leading experts on the state of cloud computing security and its future. It also provides no-nonsense info on cloud security technologies and models.

Securing the Cloud: Security Strategies for the Ubiquitous Data Center takes the position that cloud security is an extension of recognized, established security principles into cloud-based deployments. It explores how those principles can be put into practice to protect cloud-based infrastructure and data, traditional infrastructure, and hybrid architectures combining cloud and on-premises infrastructure. Cloud computing is evolving so rapidly that regulations and technology have not necessarily been able to keep pace. IT professionals are frequently left to force fit pre-existing solutions onto new infrastructure and architectures for which they may be very poor fits. This book looks at how those "square peg/round hole" solutions are implemented and explains ways in which the pegs, the holes, or both may be adjusted for a more perfect fit.

Virtualizing Desktops and Apps with Windows Server 2012 R2 Inside Out [Microsoft Press](#) Conquer Windows Server 2012 R2 virtualization--from the inside out! Dive into Windows Server 2012 R2 virtualization--and really put your systems expertise to work. Focusing on both virtual desktop infrastructure and virtualized applications, this supremely

organized reference packs hundreds of timesaving solutions, tips, and workarounds. Discover how the experts tackle Windows virtualization--and challenge yourself to new levels of mastery. Use virtualization to prevent business disruption, help improve security, simplify upgrades, and support mobile users Plan and deploy User State Virtualization for a consistent experience across locations and devices Define users, applications, and scenarios for any virtualization project Compare and deploy both session-based and virtual machine-based (VM-based) desktops Configure Client Hyper-V and work with VMs in a Client Hyper-V environment Install, design, configure, and administer Microsoft Application Virtualization (App-V) infrastructure and clients Sequence applications for efficient and reliable deployment Help secure remote access to virtual desktops with Remote Desktop Gateway (RD Gateway) Plan and implement pooled and personal desktops Monitor virtualized apps and desktops for health and performance IPv6 Deployment Guide [Javvin Technologies Inc.](#) Microsoft Virtualization Master Microsoft Server, Desktop, Application, and Presentation Virtualization [Syngress](#) Microsoft Virtualization: Master Microsoft Server, Desktop, Application, and Presentation Virtualization serves a thorough reference for those considering a migration into the virtualized world. It provides the tools and explanations needed to create a fresh virtualization environment. Readers walk through step-by-step instructions on everything from building a Windows 2008 server to installing and configuring Hyper-V and App-V. The book begins with the basics of virtualization, including the role of virtualization in the changing landscape of the traditional data center and its benefits, and the strategies of virtualization. It presents the step-by-step process used to build a Windows 2008 server and the process of configuring and managing a Hyper-V infrastructure. Microsoft's approach to high availability and the combination of Microsoft tools to provide a very reliable and highly available virtualization infrastructure are discussed. The chapters also cover the migration of physical servers to virtual servers; the Dynamic Data Center concept; creating and publishing a virtual application within App-V; and desktop virtualization. This book was intended for seasoned system administrators and engineers who grew up in and still manage primarily a hardware-based server environment containing a large assortment of both newer and legacy applications. Covers Microsoft virtualization products completely, including Hyper-V Includes a special section on securing virtual infrastructure Gives hands-on instructions to help understand and implement Microsoft solutions Cloud Computing: A Practical Approach [McGraw Hill Professional](#) "The promise of cloud computing is here. These pages provide the 'eyes wide open' insights you need to transform your business." --Christopher Crowhurst, Vice President, Strategic Technology, Thomson Reuters A Down-to-Earth Guide to Cloud Computing Cloud Computing: A Practical Approach provides a comprehensive look at the emerging paradigm of Internet-based enterprise applications and services. This accessible book offers a broad introduction to cloud computing, reviews a wide variety of currently available solutions,

and discusses the cost savings and organizational and operational benefits. You'll find details on essential topics, such as hardware, platforms, standards, migration, security, and storage. You'll also learn what other organizations are doing and where they're headed with cloud computing. If your company is considering the move from a traditional network infrastructure to a cutting-edge cloud solution, you need this strategic guide. **Cloud Computing: A Practical Approach covers:** Costs, benefits, security issues, regulatory concerns, and limitations Service providers, including Google, Microsoft, Amazon, Yahoo, IBM, EMC/VMware, Salesforce.com, and others Hardware, infrastructure, clients, platforms, applications, services, and storage Standards, including HTTP, HTML, DHTML, XMPP, SSL, and OpenID Web services, such as REST, SOAP, and JSON Platform as a Service (PaaS), Software as a Service (SaaS), and Software plus Services (S+S) Custom application development environments, frameworks, strategies, and solutions Local clouds, thin clients, and virtualization Migration, best practices, and emerging standards Implementing Citrix XenDesktop on IBM Flex System The IBM SmartCloud Desktop Infrastructure offers robust, cost-effective, and manageable virtual desktop solutions for a wide range of clients, user types, and industry segments. These solutions help to increase business flexibility and staff productivity, reduce IT complexity, and simplify security and compliance. Based on a reference architecture approach, this infrastructure supports various hardware, software, and hypervisor platforms. The SmartCloud Desktop Infrastructure solution with Citrix XenDesktop running on IBM Flex System offers tailored solutions for every business, from the affordable all-in-one Citrix VDI-in-a-Box for simple IT organizations to the enterprise-wide Citrix XenDesktop. XenDesktop is a comprehensive desktop virtualization solution with multiple delivery models that is optimized for flexibility and cost-efficiency. This IBM Redbooks publication provides an overview of the SmartCloud Desktop Infrastructure solution, which is based on Citrix XenDesktop running on IBM Flex System. It also provides planning and deployment considerations, and step-by-step instructions about how to perform specific tasks. This book is intended for IT professionals who are involved in the planning, design, deployment, and management of the IBM SmartCloud' Desktop Infrastructure built on IBM Flex System running Citrix XenDesktop. -- PowerShell Core for Linux Administrators Cookbook Over 150 recipes to leverage Microsoft's open source automation framework and command line shell Key Features Work effectively on Windows, Linux, and macOS with PowerShell's object-oriented approach and capabilities Handle structured data seamlessly without the need for manual parsing Enhance your native Linux capabilities with PowerShell Core 6.1 Book Description PowerShell Core, the open source, cross-platform that is based on the open source, cross-platform .NET Core, is not a shell that came out by accident; it was intentionally created to be versatile and easy to learn at the same time. PowerShell Core enables automation on systems ranging from the Raspberry Pi to the cloud. PowerShell Core for Linux Administrators Cookbook uses simple,

real-world examples that teach you how to use PowerShell to effectively administer your environment. As you make your way through the book, you will cover interesting recipes on how PowerShell Core can be used to quickly automate complex, repetitive, and time-consuming tasks. In the concluding chapters, you will learn how to develop scripts to automate tasks that involve systems and enterprise management. By the end of this book, you will have learned about the automation capabilities of PowerShell Core, including remote management using OpenSSH, cross-platform enterprise management, working with Docker containers, and managing SQL databases. What you will learn Leverage the object model of the shell, which is based on .NET Core Administer computers locally as well as remotely using PowerShell over OpenSSH Get to grips with advanced concepts of PowerShell functions Use PowerShell for administration on the cloud Know the best practices pertaining to PowerShell scripts and functions Exploit the cross-platform capabilities of PowerShell to manage scheduled jobs, Docker containers and SQL Databases Who this book is for PowerShell Core for Linux Administrators Cookbook is for you if you are a system administrator who wants to learn to control and automate a Linux environment with PowerShell Core 6.1. Basic knowledge of PowerShell scripting is necessary. It is assumed that you already understand how an operating system is structured and how to use the command-line interface to work with the operating system. Covid-19 Pandemic Geospatial Information and Community Resilience CRC Press "The Open Access version of this book, available at <https://www.taylorfrancis.com/books/oa-edit/10.1201/9781003181590>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license." Geospatial information plays an important role in managing location dependent pandemic situations across different communities and domains. Geospatial information and technologies are particularly critical to strengthening urban and rural resilience, where economic, agricultural, and various social sectors all intersect. Examining the United Nations' SDGs from a geospatial lens will ensure that the challenges are addressed for all populations in different locations. This book, with worldwide contributions focused on COVID-19 pandemic, provides interdisciplinary analysis and multi-sectoral expertise on the use of geospatial information and location intelligence to support community resilience and authorities to manage pandemics.