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Securing the Cloud - Vic (J.R.) Winkler 2011-04-21
Securing the Cloud is the first book that helps you secure your information while taking part in the time and cost savings of cloud computing. As companies turn to burgeoning cloud computing technology to streamline and save money, security is a fundamental concern. The cloud offers flexibility, adaptability, scalability, and in the case of security - resilience. Securing the Cloud explains how to make the move to the cloud, detailing the strengths and

weaknesses of securing a company's information with different cloud approaches. It offers a clear and concise framework to secure a business' assets while making the most of this new technology. This book considers alternate approaches for securing a piece of the cloud, such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust. It discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery. It also describes the benefits of moving to the cloud - solving for limited availability of space, power, and storage. This book will appeal to network and security IT staff and management responsible for design, implementation and management of IT structures from admins to CSOs, CTOs, CIOs and CISOs. Named The 2011 Best Identity Management Book by InfoSec Reviews Provides a sturdy and stable framework to secure your piece of the cloud,

considering alternate approaches such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust Discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery Details the benefits of moving to the cloud-solving for limited availability of space, power, and storage

Citrix XenApp® 7.5 Desktop Virtualization Solutions - Andy Paul 2014-10-21
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.
Troubleshooting NetScaler - Raghu Varma Tirumalaraju 2016-04-29
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.

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.

Virtual Product Creation in Industry - Rainer Stark 2022-01-01 Today, digital technologies represent an absolute must when it comes to creating new products and factories. However, day-to-day product development and manufacturing engineering operations have still only unlocked roughly fifty percent of the "digital potential". The question is why? This book provides compelling answers and remedies to that question. Its goal is to identify the main strengths and weaknesses of today's set-up for digital engineering working solutions, and to outline important trends and developments for the future. The book concentrates on explaining the critical basics of the individual technologies, before going into deeper analysis of the virtual solution interdependencies and guidelines on how to best align

them for productive deployment in industrial and collaborative networks. Moreover, it addresses the changes needed in both, technical and management skills, in order to avoid fundamental breakdowns in running information technologies for virtual product creation in the future.

Getting Started with Citrix XenApp 6. 5 - Guillermo Musumeci 2012
This book has a tutorial style with step-by-step instructions and adequate screenshots for carrying out each task. If you are a system administrator or consultant who wants to implement and administer Citrix XenApp 6.5 farms, then this book is for you. This book will help both new and experienced XenApp professionals to deliver virtualized applications.

Management Information Systems - Kenneth C. Laudon 2004
Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

Mastering NetScaler VPX™ - Rick Roetenberg 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.
Virtualization, A Beginner's Guide - Nelson Ruest 2009-03-31 Migrate to a dynamic, on-demand data delivery platform "If you're looking to hit the ground running with any virtualization project, large or small, this book is going to give you the start you need, and along the way will offer you some cautionary tales that will even take some seasoned virtualization veterans by surprise." --From the foreword by Chris Wolf, Senior Analyst, Burton Group Transform your IT infrastructure into a leaner, greener datacenter with expert guidance from a pair of industry professionals. Through clear explanations, examples, and a five-step deployment plan, Virtualization: A Beginner's Guide shows you how to maximize the latest technologies from Citrix, Microsoft, and VMware. Consolidate your servers, set up virtual machines and applications, and manage virtual desktop environments. You'll also learn how to implement reliable security, monitoring, and backup procedures. Select a virtualization platform and develop rollout plans Perform pre-deployment network and workstation tests Configure virtual machines, storage devices, and workloads Set up and secure a fully virtualized and highly available server environment Manage a centralized, on-demand application delivery framework Handle volatile and persistent desktop virtualization Use hypervisors to facilitate workload delivery Implement failsafe system backup and recovery strategies
Microsoft System Center PowerShell Essentials - Guruprasad HP 2015-04-28 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.

The Real Citrix CCA Exam Preparation Kit - Shawn Tooley 2009-05-18
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

CMDB Systems - Dennis Drogseth 2015-03-22
CMDB Systems: Making Change Work in the Age of Cloud and Agile shows you how an integrated database across all areas of an organization's information system can help make organizations more efficient reduce challenges during change management and reduce total cost of ownership (TCO). In addition, this valuable reference provides guidelines that will enable you to avoid the pitfalls that cause CMDB projects to fail and actually shorten the time required to achieve an

implementation of a CMDB. Drawing upon extensive experience and using illustrative real world examples, Rick Sturm, Dennis Drogseth and Dan Twing discuss: Unique insights from extensive industry exposure, research and consulting on the evolution of CMDB/CMS technology and ongoing dialog with the vendor community in terms of current and future CMDB/CMS design and plans Proven and structured best practices for CMDB deployments Clear and documented insights into the impacts of cloud computing and other advances on CMDB/CMS futures Discover unique insights from industry experts who consult on the evolution of CMDB/CMS technology and will show you the steps needed to successfully plan, design and implement CMDB Covers related use-cases from retail, manufacturing and financial verticals from real-world CMDB deployments Provides structured best practices for CMDB deployments Discusses how CMDB adoption can lower total cost of ownership, increase efficiency and optimize the IT enterprise

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 NetScalar Gateway are explained one by one in detail.

Step-by-step, you will learn to deploy your first XenApp with the Machine Creation Services method and Provisioning Services method. After this, you will explore the administering part of applications and systems, followed by printing in the XenApp environment. Next, you will learn all the trips and tricks required to troubleshoot and support the XenApp environment. By the end of this book, you will be ready to go live with your new XenApp environment. Style and approach This is a step-by-step guide to technical implementations in a conversational and easy-to-follow style. Each component is deployed sequentially until a full solution is built. Basic as well as advanced features of the product are explored to appeal to the widest possible audience interested in the topic.

VMware Horizon Suite - Paul O'Doherty 2014-06-17 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 *Citrix® XenApp® 6.5 Expert Cookbook* - Esther Barthel MSc 2014-01-24 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.

Mastering Cloud Computing - Rajkumar Buyya 2013-04-05 Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include

scientific, business, and energy-efficiency considerations
Euro-Par 2015: Parallel Processing Workshops - Sascha Hunold 2015-12-17 This book constitutes the thoroughly refereed post-conference proceedings of 12 workshops held at the 21st International Conference on Parallel and Distributed Computing, Euro-Par 2015, in Vienna, Austria, in August 2015. The 67 revised full papers presented were carefully reviewed and selected from 121 submissions. The volume includes papers from the following workshops: BigDataCloud: 4th Workshop on Big Data Management in Clouds - Euro-EDUPAR: First European Workshop on Parallel and Distributed Computing Education for Undergraduate Students - Hetero Par: 13th International Workshop on Algorithms, Models and Tools for Parallel Computing on Heterogeneous Platforms - LSDVE: Third Workshop on Large Scale Distributed Virtual Environments - OMHI: 4th International Workshop on On-chip Memory Hierarchies and Interconnects - PADAPS: Third Workshop on Parallel and Distributed Agent-Based Simulations - PELGA: Workshop on Performance Engineering for Large-Scale Graph Analytics - REPPAR: Second International Workshop on Reproducibility in Parallel Computing - Resilience: 8th Workshop on Resiliency in High Performance Computing in Clusters, Clouds, and Grids - ROME: Third Workshop on Runtime and Operating Systems for the Many Core Era - UCHPC: 8th Workshop on UnConventional High Performance Computing - and VHPC: 10th Workshop on Virtualization in High-Performance Cloud Computing.
VMware View 5 - Paul O'Doherty 2012-11-26 VMware View 5 for the Desktop DELIVER HIGH-VALUE VIRTUAL DESKTOP INFRASTRUCTURE AND A SUPERIOR USER EXPERIENCE Companies that have already realized the benefits of VMware server

virtualization are now discovering that VMware View 5 offers equally powerful opportunities on the client side. VMware View 5 is a comprehensive enterprise-class solution. But, until now, crucial information about it has been scattered throughout dozens of technical documents. In VMware View 5, leading desktop virtualization expert Paul O'Doherty combines this critical information with deep insights and best practices from his extensive enterprise deployment experience. O'Doherty walks through every step, from the earliest planning phases through configuration, implementation, and management. He addresses important considerations ranging from changes to end-user experience through support and performance management. You'll learn how to plan and smoothly stage virtual desktop infrastructure deployments, and avoid pitfalls associated with latency, scalability, storage, and networking. Whether you're an architect, system administrator, or virtualization consultant, this guide's proven techniques can help you dramatically improve IT productivity as you build environments that are far more flexible and easier to manage.

The VDI Delusion - Brian S. Madden 2012-05-10
This book recounts the original promise of VDI (virtual desktop infrastructure) and why the reality fell short. It shows how to step back and figure out what problems we're really trying to solve, including when it makes sense to use desktop virtualization and VDI and when to stay with traditional desktops, and closes with a look at the world beyond Windows and what real steps we can take today to create the future enterprise desktop.

Web Content Delivery - Xueyan Tang 2006-01-17
The concept of content delivery (also known as content distribution) is be coming increasingly important due to rapidly growing demands for efficient distribution and fast access of information in the Internet. Content delivery is

very broad and comprehensive in that the contents for distribution cover a wide range of types with significantly different characteristics and performance concerns, including HTML documents, images, multimedia streams, database tables, and dynamically generated contents. Moreover, to facilitate ubiqui tous information access, the network architectures and hardware devices also vary widely. They range from broadband wired/fixed networks to bandwid-constrained wireless/mobile networks, and from powerful workstations/PCs to personal digital assistants (PDAs) and cellular phones with limited processing and display capabilities. All these levels of diversity are introducing numerous challenges on content delivery technologies. It is desirable to deliver contents in their best quality based on the nature of the contents, network connections and client devices. This book aims at providing a snapshot of the state-of-the-art research and development activities on web content delivery and laying the foundations for future web applications. The book focuses on four main areas: (1) web con tent delivery; (2) dynamic web content; (3) streaming media delivery; and (4) ubiquitous web access. It consists of 17 chapters written by leading experts in the field. The book is designed for a professional audience including academic researchers and industrial practitioners who are interested in the most recent research and development activities on web content delivery.

Troubleshooting Citrix XenDesktop® - Gurpinder Singh 2015-10-27
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.

Networking: A Beginner's Guide, Sixth Edition - Bruce Hallberg 2013-10-15 Featuring step-by-step instructions for installing; configuring; and managing Windows Server 2012; Exchange Server 2013; Oracle Linux; and Apache; this practical resource discusses wired and wireless network design; configuration; hardware; protocols; security; backup; recovery; and virtualization. --

Implementing and Developing Cloud Computing Applications - David E. Y. Sarna 2010-11-17 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, Impleme

Windows PowerShell 2.0 Bible - Thomas Lee 2011-09-26 Here's the complete guide to Windows PowerShell 2.0 foradministrators and developers Windows PowerShell is Microsoft's next-generation scripting andautomation language. This comprehensive volume

provides thebackground that IT administrators and developers need in order tostart using PowerShell automation in exciting new ways. It explainswhat PowerShell is, how to use the language, and specific ways toapply PowerShell in various technologies. Windows PowerShell is Microsoft's standard automation tool andsomething that every Windows administrator will eventually have tounderstand; this book provides the background necessary to applyPowerShell automation. Covers how to use the language and specific ways to applyPowerShell in a variety of scenarios Addresses new features in the latest version of PowerShell andthe additional functionality delivered by new products that providedirect or indirect ways to use PowerShell for scripting andautomation 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.

Mastering Citrix® XenDesktop® - Govardhan Gunnala 2015-06-30 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.

Inside Citrix - Bas Van Kaam 2016-05-16
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.

Cyber Risk Leaders - Tan, Shamane 2019
Cyber Risk Leaders: Global C-Suite Insights - Leadership and Influence in the Cyber Age', by Shamane Tan - explores the art of communicating with executives, tips on navigating through corporate challenges, and reveals what the C-Suite looks for in professional partners. For those who are interested in learning from top industry leaders, or an aspiring or current CISO, this book is gold for your career. It's the go-to book and your CISO kit for the season.

Trends and Challenges in Digital Business Innovation - Vincenzo Morabito 2014-02-04
This book describes the trends

in digital innovation that are of most importance for businesses and explores the key challenges. The book is in three parts, the first of which focuses on developments in digital systems. Here, the ever-growing relevance of big data, cloud computing, and mobile services for business is discussed, and detailed consideration is given to the importance of social listening for understanding user behavior and needs and the implications of IT consumerization. In the second part, trends in digital management are examined, with chapters devoted to work practice, digital business identity as well as branding and governance. The final part of the book presents and reviews case studies of digital innovation at the global level that provide a benchmark of best practices, with inclusion of instructive fact sheets. While the book offers academic coverage of the digital transformation of business organizations and the associated challenges, it also describes concrete, real-world issues in clear, easy-to-understand language and will serve as a toolbox for managers that can be readily consulted. The text is supported by informative illustrations and tables, and practitioners will also benefit from the reported case studies and highlighted insights and recommendations.
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 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

Mastering Microsoft Endpoint Manager - Per Larsen 2021-10-07 Design and implement a secure end-to-end desktop management solution with Microsoft Endpoint Manager Key Features: Learn everything you need to know about deploying and managing Windows on physical and cloud PCs Simplify remote working for cloud-managed cloud PCs via new service Windows 365 Benefit from the authors' experience of managing physical endpoints and traditional virtual desktop infrastructures (VDI) Book Description: One of the main reasons for the slow adoption of Modern Workplace solutions designed to simplify the management layer of your environment is the lack of understanding and knowledge of the product. With this book, you'll learn everything you need to know to make the shift to Modern Workplace, running Windows 10, Windows 11, or Windows 365. Mastering Microsoft Endpoint Manager explains various concepts in detail to give you the clarity to plan how to use Microsoft Endpoint Manager (MEM) and eliminate potential migration challenges beforehand. You'll get to grips with using new services such as Windows 365 Cloud PC, Windows Autopilot, profile management, monitoring and analytics, and Universal Print. The book will

take you through the latest features and new Microsoft cloud services to help you to get to grips with the fundamentals of MEM and understand which services you can manage. Whether you are talking about physical or cloud endpoints-it's all covered. By the end of the book, you'll be able to set up MEM and use it to run Windows 10, Windows 11, and Windows 365 efficiently. What You Will Learn: Understand how Windows 365 Cloud PC makes the deployment of Windows in the cloud easy Configure advanced policy management within MEM Discover modern profile management and migration options for physical and cloud PCs Harden security with baseline settings and other security best practices Find troubleshooting tips and tricks for MEM, Windows 365 Cloud PC, and more Discover deployment best practices for physical and cloud-managed endpoints Keep up with the Microsoft community and discover a list of MVPs to follow Who this book is for: If you are an IT professional, enterprise mobility administrator, architect, or consultant looking to learn about managing Windows on both physical and cloud endpoints using Microsoft Endpoint Manager, this book is for you.

Citrix® XenDesktop® 7 Cookbook - Gaspare A. Silvestri 2014-01-24
A step-by-step course that includes tasks ranging from a standard to high-level difficulty, oriented to deploy an enterprise production VDI environment. This practical approach is based on both GUI and command line operations, which gives you as an IT professional the alternatives to operate the system wherever possible. If you are a system administrator or an experienced IT professional who wants to refer to a centralized container of procedures and advanced tasks in XenDesktop, this is the book for you. If you are an IT technician approaching this technology for the first time, who wants to integrate a more

theoretical formative process with step-by-step installation and configuration activities, this book will also help you. You will need to have experience of the virtualized environment and an understanding of the general concepts of desktop virtualization (VDI).

Getting Started with PowerShell - Michael Shepard 2015-08-27
Learn the fundamentals of PowerShell to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users

control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets,

functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.

VCP-DCV Official Cert Guide - John Davis 2020-06-20 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. Design and Use of Virtualization Technology in Cloud Computing - Das, Prashanta Kumar 2017-08-11 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.

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

IBM and Cisco: Together for a World Class Data Center - Jon Tate 2013-07-31 This IBM® Redbooks® publication is an IBM and Cisco collaboration that articulates how IBM and Cisco can bring the benefits of their respective companies to the modern data center. It documents the architectures, solutions, and benefits that can be achieved by implementing a data center based on IBM server, storage, and integrated systems, with the broader Cisco network. We describe how to design a state-of-the art data center and networking infrastructure combining Cisco and IBM solutions. The objective is to provide a reference guide for customers looking to build an infrastructure that is optimized for virtualization, is highly available, is interoperable, and is efficient in terms of power and space consumption. It will explain the technologies used to build the infrastructure, provide use cases, and give guidance on deployments.

IBM PureFlex System Solutions for Managed Service Providers - Ilya Krutov 2013-02-28 Organizations are looking for ways to get more out of their already strained IT infrastructure as they face new technological and economic pressures. They are also trying to satisfy a broad set of users (internal and external to the enterprise) who demand improvements in their quality of service (QoS), regardless of increases in the number of users and applications. Cloud computing offers attractive opportunities to reduce costs, accelerate development, and increase the flexibility of the IT infrastructure, applications, and services. Infrastructure as

a service (IaaS) is the typical starting point for most organizations when moving to a cloud-computing environment. IaaS can be used for the delivery of resources such as compute, storage, and network services through a self-service portal. With IaaS, IT services are delivered as a subscription service, eliminating up-front costs and driving down ongoing support costs. Businesses can improve their competitive position by moving to these cloud-based technologies. This IBM® RedpaperTM discusses IBM solutions for managed service providers (MSPs). This paper is for IT professionals who are involved in managed and cloud services solution planning.
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 **Microsoft Application Virtualization Cookbook** - James Preston 2015-08-17 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. Learning OpenStack - Alok Shrivastwa 2015-11-30 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.