

Unisphere Admin Guide For Vnx

Erotic memoir

Demonstrates two fundamental components of distributed computing in a UNIX environment--the Network File System and the Network Information System--explaining how to plan, set up, protect, and debug UNIX networks.

Over 90 recipes to satisfy all your automation needs and leverage vRealize Orchestrator 7.1 for your projectsAbout This Book- Unleash the power of VMware vRealize Orchestrator 7 and automate your VMware infrastructure- Customize and tune your orchestrator by programming and working with plugins- Work through enticing recipes that can be implemented in your organization- Explore the new and upcoming plugins of Puppet, Docker, Chef, and VMware Replication for VMware vRealize OrchestratorWho This Book Is ForThis book is for system administrators who are into VMware administration and are looking to automate their infrastructure.

Basic knowledge about programming is needed. No previous knowledge of Orchestrator is required.This book will also be good for you if you have just a basic knowledge with vRealize Orchestrator, as you can pick up any recipe and implement it for your enterprise.What You Will Learn- Install, configure, and optimize Orchestrator installations (Windows, Appliance, and vRA integrated)- Explore all the visual programming elements without needing additional infrastructure- Work with plugins such as SSH, mail, SQL, PowerShell, AD, SOAP, SNMP, AMQP, and REST- Discover how to create VMware automation- Get to know about user management, import/export, and synchronization as well as the packaging application - Understand policies, resources, and web views- Troubleshoot vRO ApplianceIn DetailVMware vRealize Orchestrator is a powerful automation tool designed for system administrators and IT operations staff who are planning to streamline their tasks and are waiting to integrate the functions with third-party operations software. This book is an update to VMware vRealize Orchestrator Cookbook and is blend of numerous recipes on vRealize Orchestrator 7. This book starts with installing and configuring vRealize Orchestrator. We will demonstrate how to upgrade from previous versions to vRealize Orchestrator 7. You will be taught all about orchestrator plugins and how to use and develop various plugins that have been enhanced in Orchestrator 7. Throughout this book, you will explore the new features of Orchestrator 7, such as the introduction of the control center, along with its uses. You will also come to understand visual programming, how to integrate base plugins into workflows, and how to automate VMware. You will also get to know how to troubleshoot vRealize Orchestrator.By the end of this book, you will be able to get the most out of your Orchestrator installation, and will be able to develop complex workflows and create your own highly integrated automations of vRealize environments.Style and approachThis practical guide provides exciting and practical recipes on VMware vRealize Orchestrator 7 for those who are waiting to automate their infrastructure.

BEGINNING ALGEBRA: CONNECTING CONCEPTS THROUGH APPLICATIONS shows students how to apply traditional mathematical skills in real-world contexts. The emphasis on skill building and applications engages students as they master algebraic concepts, problem solving, and communication skills. Students learn how to solve problems generated from realistic applications, instead of learning techniques without conceptual understanding. The authors have developed several key ideas to make concepts real and vivid for students. First, they emphasize strong algebra skills. These skills support the applications and enhance student comprehension. Second, the authors integrate applications, drawing on realistic data to show students why they need to know and how to apply math. The applications help students develop the skills needed to explain the meaning of answers in the context of the application. Third, the authors develop key concepts as students progress through the course. For example, the distributive property is introduced in real numbers, covered when students are learning how to multiply a polynomial by a constant, and finally when students learn how to multiply a polynomial by a monomial. These concepts are reinforced through applications in the text. Last, the authors' approach prepares students for intermediate algebra by including an introduction to material such as functions and interval notation as well as the last chapter that covers linear and quadratic modeling. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Auschwitz

VMware Vsphere 5.1 Clustering Deepdive

IBM PowerVM Virtualization Introduction and Configuration

Building VMware Software-Defined Data Centers

Engine Essentials

Master PowerCLI to automate all aspects of VMware environments About This Book Leverage PowerCLI to perform administration tasks in a more effective and efficient way Escape from daily tedious and repetitive tasks by unleashing the full potential of your creative side through scripting Master the intricate workings of PowerShell and PowerCLI through easy and real-life examples Who This Book Is For If you are a system administrator with working knowledge of PowerShell and PowerCLI who wants to perform quick and easy scripting but at the same time achieve complex results and write production grade scripts, then this book is for you. What You Will Learn Use GitHub for collaboration and Pester to automate unit tests Write advanced reusable functions and dynamic variables and learn about error handling in PowerShell Automate ESXi host installation using Auto-Deploy, host profile, and host image Implement security best practices in a vSphere data center Manage SRM, vCloud Air, and vRealize Operations environments Access and utilize vSphere APIs to manage advanced aspects of vSphere and work with .NET view objects Utilize REST APIs to manage vRealize Automation environments Create a Windows GUI through the use of PowerShell and Sapient PrimalForms CE In Detail Have you ever wished that every morning you could automatically get a report with all the relevant information about your datacenter in exactly the same format you want? Or whether you could automate that boring, exhausting task? What if some crucial task needs to be performed on a regular basis without any error? PowerCLI scripts do all that and much more for VMware environments. It is built on top of the popular Windows PowerShell, with which you can automate server tasks and reduce manual input, allowing you to focus on more important tasks. This book will help you to achieve your goals by starting with a short refresher on PowerShell and PowerCLI and then covering the nuances of advanced functions and reusable scripts. Next you will learn how to build a vSphere-powered virtualized datacenter using PowerCLI while managing different aspects of the environment including automated installation, network, and storage. You will then manage different logical constructs of vSphere environment and different aspects of a virtual machine. Later, you will implement the best practices for a security implementation in vSphere Environment through PowerCLI before discovering how to manage other VMware environments such as SRM, vCloud Director and vCloud Air through PowerCLI. You will also learn to manage vSphere environments using advanced properties by accessing vSphere API and REST APIs through PowerCLI. Finally, you will build a Windows GUI application using PowerShell followed by a couple of sample scripts for reporting and managing vSphere environments with detailed explanations of the scripts. By the end of the book, you will have the required in-depth knowledge to master the art of PowerCLI scripting. Style and approach In this book, every topic is explained in a very easy-to-follow fashion with real-life, simple examples so that you get an idea of not only the topic but also the context in which it should be used or where it can be best utilized.

In spring and summer of 1944, 400,000 Hungarian Jews were deported to Auschwitz and allegedly murdered there in gas chambers. The Auschwitz crematoria are said to have been unable to cope with so many corpses. Therefore, every single day thousands of corpses are claimed to have been incinerated on huge pyres lit in deep trenches. The sky over Auschwitz was covered in thick smoke. This is what some witnesses want us to believe.This study investigates all available documentary, physical, and anecdotal evidence. Carlo Mattogno shows that the witness statements contradict each other in every regard. They also contradict what would have been physically possible. The fact that there is no documentary or forensic evidence supporting the claims is finally explained by air photos taken by German and Allied air planes in 1944. They prove that the witnesses were wrong: No traces of huge pyres or massive smoke covering the camp can be seen.Although based on a kernel of truth, Mattogno concludes, the witness statements are vastly exaggerated, and their homicidal claims are untrue.

VMware vSphere 5.1 Clustering Deepdive is the follow-up to best seller vSphere 5.0 Clustering Deepdive and zooms in on three key components of every VMware based infrastructure and. It provides the knowledge and expertise needed to create a cloud infrastructure based on the solid foundation of vSphere HA, vSphere DRS and vSphere Storage DRS. It explains the concepts and mechanisms behind HA, DRS and Storage DRS which will enable you to make well educated decisions. Besides a brand new stretched cluster use case section it includes a fully rewritten Storage DRS section, and new details on both vSphere HA and vSphere DRS. This book will take you in to the trenches of HA, DRS and Storage DRS and will give you the tools to understand and implement e.g. HA admission control policies, DRS resource pools, Datastore Clusters and resource allocation settings. Each section contains basic design principles that can be used for designing, implementing or improving VMware infrastructures. Coverage includes: Stretched Clusters HA node types HA isolation detection and response HA admission control VM Monitoring HA and DRS integration DRS imbalance algorithm Resource Pools Impact of reservations and limits CPU Resource Scheduling Memory Scheduler DPM Datastore Clusters Storage DRS algorithm Influencing SDRS recommendations

Peterson's® Master the(tm) SSAT® is the guide for preparing students and their parents for the SSAT® exam. Complete with the most up-to-date information on the upper-level exam, this guide is vitally important to anyone preparing for private secondary school admissions testing. Students have access to test-taking strategies for each of the question types, along with specific advice for exam day. Four practice tests, plus a diagnostic test, provide students with a realistic idea of what to expect when the test date arrives. In addition, students and parents both benefit from expert tips on all aspects of the private secondary school search process: how to identify schools that are a good fit, how to apply for financial aid, and all of the other challenges of finding the right private secondary school. 4 full-length practice tests with detailed answer explanations Diagnostic test to determine strengths and weaknesses Complete review of all exam subjects: Verbal Ability, Quantitative Ability, Reading Comprehension, and Writing Expert advice on SSAT® exam question formats, scoring, and what to expect on test day

Beginning Algebra: Connecting Concepts Through Applications

Linux for Beginner's Guide to Linux Command Line, Linux System & Linux Commands

Functional Programming in Kotlin

Storage Virtualization

Mastering PowerCLI

Information Storage and ManagementStoring, Managing, and Protecting Digital Information in Classic, Virtualized, and Cloud EnvironmentsJohn Wiley & Sons

Packed with a wealth of hands-on activities, MCSA GUIDE TO IDENTITY WITH WINDOWS SERVER 2016, EXAM 70-742 empowers readers to successfully pass the MCSE/MCSA certification exam while also equipping them to face the real-world challenges of a Microsoft networking professional. This engaging full-color presentation emphasizes the skills necessary to configure identity management with Windows Server 2016. Comprehensive coverage highlights advanced Active Directory configuration and management, Group Policy, Certificate Services, Identity federation, Web Application Proxy and Active Directory Rights Management. Hands-on labs and skill-reinforcing case projects give users plenty of opportunity to apply concepts to real-world practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Learn efficient ways to harness and manage your data storage networks Whether you're preparing for the CompTIA Storage+ exam or simply seeking a deeper understanding of data storage networks, this Sybex guide will help you get there. This book covers data storage from the basics to advanced topics, and provides practical examples to show you ways to deliver world-class solutions. In addition, it covers all the objectives of the CompTIA Storage+ exam (SG0-001), including storage components, connectivity, storage management, data protection, and storage performance. Focuses on designing, implementing, and administering storage for today's evolving organizations, getting under the hood of the technologies that enable performance, resiliency, availability, recoverability, and simplicity Covers virtualization, big data, cloud storage, security, and scalability as well as how storage fits in to the wider technology environments prevalent in today's cloud era Provides advice and real-world examples that storage administrators in the trenches can actually use An excellent study aid for the CompTIA Storage+ exam (SG0-001), covering all the exam objectives Data Storage Networking: Real World Skills for the CompTIA Storage+ Certification and Beyond provides a solid foundation for data storage administrators and a reference that can be consulted again and again.

The superabundance of data that is created by today's businesses is making storage a strategic investment priority for companies of all sizes. As storage takes precedence, the following major initiatives emerge: Flatten and converge your network: IBM® takes an open, standards-based approach to implement the latest advances in the flat, converged data center network designs of today. IBM Storage solutions enable clients to deploy a high-speed, low-latency Unified Fabric Architecture. Optimize and automate virtualization: Advanced virtualization awareness reduces the cost and complexity of deploying physical and virtual data center infrastructure. Simplify management: IBM data center networks are easy to deploy, maintain, scale, and virtualize, delivering the foundation of consolidated operations for dynamic infrastructure management. Storage is no longer an afterthought. Too much is at stake. Companies are searching for more ways to efficiently manage expanding volumes of data, and to make that data accessible throughout the enterprise. This demand is propelling the move of storage into the network. Also, the increasing complexity of managing large numbers of storage devices and vast amounts of data is driving greater business value into software and services. With current estimates of the amount of data to be managed and made available increasing at 60% each year, this outlook is where a storage area network (SAN) enters the arena. SANs are the leading storage infrastructure for the global economy of today. SANs offer simplified storage management, scalability, flexibility, and availability; and improved data access, movement, and backup. Welcome to the cognitive era. The smarter data center with the improved economics of IT can be achieved by connecting servers and storage with a high-speed and intelligent network fabric. A smarter data center that hosts IBM Storage solutions can provide an environment that is smarter, faster, greener, open, and easy to manage. This IBM® Redbooks® publication provides an introduction to SAN and Ethernet networking, and how these networks help to achieve a smarter data center. This book is intended for people who are not very familiar with IT, or who are just starting out in the IT world.

SQL Interview Questions

VMware VRealize Orchestrator Cookbook - Second Edition

Digital Home Networking

LINUX Beginner's Crash Course

This IBM® Redbooks® publication provides an introduction to PowerVMTM virtualization technologies on Power System servers. PowerVM is a combination of hardware, firmware, and software that provides CPU, network, and disk virtualization. These are the main virtualization technologies: POWER7, POWER6, and POWER5 hardware POWER Hypervisor Virtual I/O Server Though the PowerVM brand includes partitioning, management software, and other offerings, this publication focuses on the virtualization technologies that are part of the PowerVM Standard and Enterprise Editions. This publication is also designed to be an introduction guide for system administrators, providing instructions for these tasks: Configuration and creation of partitions and resources on the HMC Installation and configuration of the Virtual I/O Server Creation and installation of virtualized partitions Examples using AIX, IBM i, and Linux This edition has been updated with the latest updates available and an improved content organization.

This much-needed book describes the digital home networkingenvironment, its techniques, and the challenges around its servicearchitecture. It provides a broad introduction to state-of-the-artdigital home standards and protocols, as well as in-depth coverageof service architectures for entertainment and domotic servicesinvolving digital home resources. Topics include networking, remoteaccess, security, interoperability, scalability, and quality ofservice. Notably, the book describes the generic architecture thatwas proposed and developed in the context of the EUREKA/Celticresearch project Feel@Home.

Integrate big data into business to drive competitive advantage and sustainable success Big Data MBA brings insight and expertise to leveraging big data in business so you can harness the power of analytics and gain a true business advantage. Based on a practical framework with supporting methodology and hands-on exercises, this book helps identify where and how big data can help you transform your business. You'll learn how to exploit new sources of customer, product, and operational data, coupled with advanced analytics and data science, to optimize key processes, uncover monetization opportunities, and create new sources of competitive differentiation. The discussion includes guidelines for operationalizing analytics, optimal organizational structure, and using analytic insights throughout your organization's user experience to customers and front-end employees alike. You'll learn to "think like a data scientist" as you build upon the decisions your business is trying to make, the hypotheses you need to test, and the predictions you need to produce. Business stakeholders no longer need to relinquish control of data and analytics to IT. In fact, they must champion the organization's data collection and analysis efforts. This book is a primer on the business approach to analytics, providing the practical understanding you need to convert data into opportunity. Understand where and how to leverage big data Integrate analytics into everyday operations Structure your organization to drive analytic insights Optimize processes, uncover opportunities, and stand out from the rest Help business stakeholders to "think like a data scientist" Understand appropriate business application of different analytic techniques If you want data to transform your business, you need to know how to put it to use. Big Data MBA shows you how to implement big data and analytics to make better decisions.

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.

Harness the Power of Ontologies to Make Your Business Smarter, Faster, and More Profitable

Information Storage and Management

Information Technology

Storing, Managing, and Protecting Digital Information in Classic, Virtualized, and Cloud Environments

Introduction to Storage Area Networks

Information Technology: Made Simple covers the full range of information technology topics, including more traditional subjects such as programming languages, data processing, and systems analysis. The book discusses information revolution, including topics about microchips, information processing operations, analog and digital systems, information processing system, and systems analysis. The text also describes computers, computer hardware, microprocessors, and microcomputers. The peripheral devices connected to the central processing unit; the main types of system software; application software; and graphics and multimedia are also considered. The book tackles equipment, software, and procedures involved in computer communications; available telecommunications services; and data and transaction processing. The text also presents topics about computer-integrated manufacturing; the technology of information processing and its business applications; and the impact of this technology on society in general. Students taking computer and information technology courses will find the book useful.

How would you assemble a machine that can be creative, what would its cogs be? Starting from how humans do creative problem solving, the author has developed a framework to explore whether a diverse set of creative problem-solving tasks can be solved computationally using a unified set of principles. In this book she describes the implementation of related prototype AI systems, and the computational and empirical experiments conducted. The book will be of interest to researchers, graduate students, and laypeople engaged with ideas in artificial intelligence, cognitive science, and creativity.

The MicroStrategy Engine Essentials course explains the inner workings of the MicroStrategy Engine. In this course, you will study specific reporting scenarios and the MicroStrategy Engine's techniques for composing the SQL queries that produce MicroStrategy reports. You will study concepts such as level metrics, transformation metrics, custom groups, and relationship filters from a SQL point of view. The course also reviews the most commonly used VLDB Properties.

Become a Linux Superstar! What if you could learn about Linux in a simple, easy to follow format? Can you imagine the doors that will be open to you once you gain that knowledge? Tracing its roots back to the mid 90's, Linux came to life and has become existent in almost every gadget you see around your home. Linux has unique technical aspects, which makes it distinct from other operating systems out there. To take advantage of its specialities, one must know how to operate it, and this book is made just for that purpose! In fact, all Quick Start Guide books are aimed to get you the knowledge you need in an easy to learn and easy to apply method. Our philosophy is we work hard so you don't have to! Linux Beginner's Crash Course is your user manual to understanding how it works, and how you can perfectly manipulate the command line with ease and confidence. So...Why Be Interested in Linux? -Cost: It's free and readily available -Freedom: Take full control of your desktop and kernel -Flexibility: Strong structural components that allows you to customize your computer however you want it. What Will You Learn in this Book? 1. Linux Overview 2. Components of Linux 3. The Linux Kernel 4. Linux Processes 5. Linux File Systems 6. Linux Processes 7. Linux Processes This tutorial is going to help you master the use of LINUX and make you even more computer literate. Everything takes time and learning, and with this book, you are one step away to becoming a pro! Read this book now to quickly learn Linux and open yourself up to a whole new world of possibilities! ?Pick up your copy today. See you on the inside so we can get to work!

Progress 83

A Comprehensive Guide

Cisco UCS Cookbook

Big Data MBA

Real World Skills for the CompTIA Storage+ Certification and Beyond

Hacking will demand your full dedication and interest and also a desire and a craving for knowledge and constant advancement. If your goal is to be a hacker, this is the book to start with!. Today only, get this bestseller for a special price. This book contains proven steps and strategies on how to hack a Wireless Network, carry out a penetration test and so much more. It gives an insight to the most used hacking techniques and how to develop your basic skills Here Is A Preview Of What You'll Learn... What is Hacking? How to Crack Wireless Networks Kali Linux Linux Hacking Tools Penetration Test Your First Hack: WEP Network And basically everything you need to help you to start your Hacking career Get your copy today! Take action today and buy this book now at a special price!

Learn how to develop and employ an ontology, the secret weapon for successfully using artificial intelligence to create a powerful competitive advantage in your business. The AI-Powered Enterprise examines two fundamental questions: First, how will the future be different as a result of artificial intelligence? And second, what must companies do to stake their claim on that future? When the Web came along in the mid-90s, it transformed the behavior of customers and remade whole industries. Now, as part of its promise to bring revolutionary change in untold ways to human activity, artificial intelligence—AI—is about to create another complete transformation in how companies create and deliver value to customers. But despite the billions spent so far on bots and other tools, AI continues to stumble. Why can't it magically use all the data organizations generate to make them run faster and better? Because something is missing. AI works only when it understands the soul of the business. An ontology is a holistic digital model of every piece of information that matters to the business, from processes to products to people, and it's what makes the difference between the promise of AI and delivering on that promise.

Business leaders who want to catch the AI wave—rather than be crushed by it—need to read The AI-Powered Enterprise. The book is the first to combine a sophisticated explanation of how AI works with a practical approach to applying AI to the problems of business, from customer experience to business operations to product development.

Over two hundred and thirty years ago the Fallocaust happened, killing almost everything that lived and creating what is now known as the greywastes. A dead wasteland where cannibalism is a necessity, death your reality, and life before the radiation nothing but pictures in dog-eared magazines. Reaver is a greywaster, living in a small block controlled by a distant ruler said to have started the Fallocaust. He is a product of the savage world he was raised in and prides himself on being cold and cruel. Then someone new to his town catches his eye, someone different than everyone else. Without knowing why he starts to silently stalk him, unaware of where it will lead him.

Your complete guide to prepare customer's business case, ROI analysis, network security best practices, project life cycle and risk controls framework. VMware helps you to transform your data center into software defined data center to generate new revenues and accelerate business agility in your company.

Technologies for Simplifying Data Storage and Management

The AI-Powered Enterprise

MCSA Guide to Identity with Windows Server 2016, Exam 70-742

Fallocaust

Understanding Psychology Myspsychlab Pegasus With Pearson Etext Student Access Code Card

The Complete, Hands-On Guide to Installing and Configuring VMware Site Recovery Manager 5.0 Administering VMware Site Recovery Manager 5.0 is the complete, technical, hands-on guide to VMware Site Recovery Manager (SRM) 5.0 installation and configuration for experienced VMware professionals. VMware forum moderator and vExpert Mike Laverick fully explains SRM 5.0's failover/failback procedures, walks readers through configuring storage replication with hardware from several leading suppliers, and shows how to efficiently implement fast, automated, centralized disaster recovery. Drawing on his extensive experience with SRM and vSphere, Laverick identifies common pitfalls and errors, explains why they occur, and shows exactly how to fix them. Fully up to date for SRM 5.0, this book delivers “in-the-trenches” technical knowledge you won’t find anywhere else, including expert guidance for utilizing SRM 5.0’s advanced new vSphere Replication (VR). Coverage includes Going “under the hood” with SRM 5.0 to thoroughly understand its operation Configuring SRM 5.0 with Dell EqualLogic Replication, EMC Celerra Replicator, EMC CLARiiON MirrorView, HP StorageWorks P4000 Virtual SAN Appliance with Remote Copy, and NetApp SnapMirror Configuring multiple LUN/volumes with virtual machines and virtual disks Installing VMware SRM and configuring vSphere Replication (VR) Using VR to replicate VMs across locations without third-party storage array-based replication Using VR to replicate a single VM or groups of VMs to the Recovery Site Efficiently configuring protected and recovery sites Using Reprotect Mode to accelerate failback and enhance VM portability Using dependencies and priority orders to configure SRM based on your existing categories of applications and services Leveraging SRM 5.0’s scalability improvements to serve large-scale and/or cloud environments Defining custom recovery plans Working with alarms, export histories, and access control Implementing bidirectional relationships and shared site configurations Scripting automated site recovery Upgrading from SRM 4.1 to SRM 5.0

With nearly a quarter of the world’s population, members of at least five major language families plus several putative language isolates, South Asia is a fascinating arena for linguistic investigations, whether comparative-historical linguistics, studies of language contact and multilingualism, or general linguistic theory. This volume provides a state-of-the-art survey of linguistic research on the languages of South Asia, with contributions by well-known experts. Focus is both on what has been accomplished so far and on what remains unresolved or controversial and hence offers challenges for future research. In addition to covering the languages, their histories, and their genetic classification, as well as phonetics/phonology, morphology, syntax, and sociolinguistics, the volume provides special coverage of contact and convergence, indigenous South Asian grammatical traditions, applications of modern technology to South Asian languages, and South Asian writing systems. An appendix offers a classified listing of major sources and resources, both digital/online and printed.

Functional Programming in Kotlin is a serious tutorial for programmers looking to learn FP and apply it to the everyday business of coding. Based on the bestselling *Functional Programming in Scala*, this book guides intermediate Java and Kotlin programmers from basic techniques to advanced topics in a logical, concise, and clear progression. In this authoritative guide, you'll take on the challenge of learning functional programming from first principles, and start writing Kotlin code that's easier to read, easier to reuse, better for concurrency, and less prone to bugs and errors. *Functional Programming in Kotlin* is a serious tutorial for programmers looking to learn FP and apply it to the everyday business of coding. Based on the bestselling *Functional Programming in Scala*, this book guides intermediate Java and Kotlin programmers from basic techniques to advanced topics in a logical, concise, and clear progression. In it, you'll find concrete examples and exercises that open up the world of functional programming. The book will deliver practical mastery of FP using Kotlin and a valuable perspective on program design that you can apply to other languages. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Let us break the SQL interview with the help of SQL Server interview questions. DESCRIPTION This book gives you a complete idea about the SQL database. It starts from a very basic concept like what is a database, its usage, types, creation, and data storage, security, sorting, and searching for a stored procedure. This book is a complete set of interview breaking questions and answers with live examples and plenty of screenshots. This book takes you on a journey to mastering the SQL database, including SQL datatypes, functions, triggers, and stored procedures. This book also covers the latest and new features of SQL 2016, 2017 and 2019 CTP with examples. In the beginner section, we start with very basic concepts like what is a database, why to use a database, different types of database types, what is SQL, its usages, advantage and disadvantages, SQL datatypes, its different operators and how to use them with samples. In the intermediate section, we will learn about the different SQL functions, SQL Joins (used to fetch values from multiple SQL tables) and SQL DDL, DCL, and DTL commands. (About the last chapters) This is the advanced section of the book where we have provided an explanation of the SQL stored procedure, triggers and SQL view concepts, additionally, we have covered SQL core concepts like keys, indexes, injections and constraints. We have also introduced cutting-edge concepts like SSRS, SSIS, SQL Cloud database (Azure), JSON Support and a list of the new features of SQL 2016, 2017, CTP-2019 with SQL performance improvement tips. Finally, we have ended the book with a series of random SQL questions and answers. KEY FEATURES Database Basic Concepts SQL Fundamentals DDMS, SQL Statements, and Clauses SQL Operators, Datatypes, and Keywords SQL Functions, Wildcards and Dates SQL Joins and CASE Statement SQL DDL, DCL, and DTL Statements SQL Stored procedures, Triggers, Views, and Transactions SQL Keys, Indexes, Injection, and Constraints SSRS, SSIS, SQL Cloud database (Azure), and JSON Support New features of SQL 2016, 2017, and 2019 SQL Performance Improvement Tips Fuzzy Interview Questions and Answers WHAT WILL YOU LEARN After reading this book, you will be able to understand SQL database concepts, handle core database activities like data security, searching, migration, and sorting. You will be able to handle the database transactions, use different SQL datatypes, functions, triggers, and stored procedures to save and retrieve data from the database. You will also be able to understand advanced SQL concepts like SQL reporting services, integration services, cloud database and new features from the latest SQL versions like 2016, 2017, and 2019. WHO THIS BOOK IS FOR This book is built in such a way that it is useful for all categories such as technical or non-technical readers. This book is perfect. If you are a fresher and you want to learn about SQL, or if you are a teacher and you want to spread SQL knowledge, this book is very helpful. If you want to crack the database interview or if you are working as a DBA and you want to upgrade your knowledge, or if you are backend developer, database tester, performance optimizer, or if your role is that of a database admin, SQL developer, data analyst, mobile app developer or if you are working on core SQL concepts, this book is just right for you. This book is very useful as it contains many simple real-time scenarios for each concept. All functionalities are explained with real SQL screenshots and database records. Table of Contents 1. Database and SQL Basics 2. DDMS SQL Statements and Clauses 3. SQL Operators, Keywords, and Datatypes 4. SQL Operators 5. SQL Functions, Wildcards, and Dates 6. SQL Joins and CASE Statement 7. SQL DDL, DCL, and DTL 8. SQL Stored Procedures, Triggers, Views, and Transactions 9. SQL Keys, Indexes, Injections, and Constraints 10. SSRS, SSIS, SQL Cloud database (Azure), and JSON Support 11. New features of SQL 2016, 2017, and 2019 12. SQL Performance Improvement Tips and Fuzzy Interview Questions

A complete question bank to crack your ANN SQL interview with real-time examples

Cognitive AI for Creative Problem Solving

The Value of Virtualization and Cloud Computing

Cognition and the Creative Machine

The Languages and Linguistics of South Asia

The new edition of a bestseller, now revised and update throughout! This new edition of the unparalleled bestseller serves as a full training course all in one and as the world's largest data storage company, EMC is the ideal author for such a critical resource. They cover the components of a storage system and the different storage system models while also offering essential new material that explores the advances in existing technologies and the emergence of the "Cloud" as well as updates and vital information on new technologies. Features a separate section on emerging area of cloud computing Covers new technologies such as: data de-duplication, unified storage, continuous data protection technology, virtual provisioning, FCoE, flash drives, storage tiering, big data, and more Details storage models such as Network Attached Storage (NAS), Storage Area Network (SAN), Object Based Storage along with virtualization at various infrastructure components Explores Business Continuity and Security in physical and virtualized environment Includes an enhanced Appendix for additional information This authoritative guide is essential for getting up to speed on the newest advances in information storage and management.

Over 75 practical and intriguing recipes to confidently design an efficient virtual data center with VMware vSphere 6.X About This Book Get the first book on the market that helps you design a virtualized data center with VMware vSphere 6 Achieve enhanced compute, storage, network, and management capabilities for your virtual data center Exciting and practical recipes help you to design a virtual data easily by leveraging the features of VMware vSphere 6 Who This Book Is For If you are an administrator or consultant interested in designing virtualized datacenter environments using VMware vSphere 6.x or previous versions of vSphere and the supporting components, this book is for you. It will help both new and experienced architects deliver professional VMware vSphere virtual datacenter designs. What You Will Learn Identify key factors related to a vSphere design and apply them to every step of the design process Mitigate security risks and meet compliance requirements in a vSphere design. Create a vSphere conceptual design by identifying technical and business requirements Determine the type of database to use based on the deployment size. Design for performance, availability, recoverability, manageability, and security Map the logical resource design into the physical vSphere design Create professional vSphere design documentation to ensure a successful implementation of the vSphere design Leverage the latest vSphere 6.x features to ensure manageability, performance, availability, and security in a virtual datacenter design In Detail VMware is the industry leader in data center virtualization. The vSphere 6.x suite of products provides a robust and resilient platform to virtualize server and application workloads. This version comes along with new features such as ESXi Security enhancements, fault tolerance, high availability enhancements, and virtual volumes, thus simplifying the secure management of resources, the availability of applications, and performance enhancements of workloads deployed in the virtualized datacenter. This book provides recipes to create a virtual datacenter design using the features of vSphere 6.x by guiding you through the process of identifying the design factors and applying them to the logical and physical design process. The book provides steps that walk you through the design process from beginning to end, right from the discovery process to creating the conceptual design; calculating the resource requirements of the logical storage, compute, and network design; mapping the logical requirements to a physical design; security design; and finally creating the design documentation. The recipes in this book provide guidance on making design decisions to ensure the successful creation, and ultimately the successful implementation, of a VMware vSphere 6.x virtual data center design.

Make the most of software-defined data centers with revolutionary VMware technologies About This Book Learn how you can automate your data center operations and deploy and manage applications and services across your public, private, and hybrid infrastructure in minutes Drive great business results with cost-effective solutions without compromising on ease, security, and controls Transform your business processes and operations in a way that delivers any application, anywhere, with complete peace of mind Who This Book Is For If you are an IT professional or VMware administrator who virtualizes data centers and IT infrastructures, this book is for you. Developers and DevOps engineers who deploy applications and services would also find this book useful. Data center architects and those at the CXO level who make decisions will appreciate the value in the content. What You Will Learn Understand and optimize end-to-end processes in your data center Translate IT processes and business needs into a technical design Apply and create vRO workflow automation functionalities to services Deploy NSX in a virtual environment Technically accomplish DevOps offerings Set up and use vROPs to master the SDDC resource demands Troubleshoot all the components of SDDC In Detail VMware offers the industry-leading software-defined data center (SDDC) architecture that combines compute, storage, networking, and management offerings into a single unified platform. This book uses the most up-to-date, cutting-edge VMware products to help you deliver a complete unified hybrid cloud experience within your infrastructure. It will help you build a unified hybrid cloud based on SDDC architecture and practices to deliver a fully virtualized infrastructure with cost-effective IT outcomes. In the process, you will use some of the most advanced VMware products such as vSphere, VCloud, and NSX. You will learn how to use vSphere virtualization in a software-defined approach, which will help you to achieve a fully-virtualized infrastructure and to extend this infrastructure for compute, network, and storage-related data center services. You will also learn how to use EVO:RAIL. Next, you will see how to provision applications and IT services on private clouds or IaaS with seamless accessibility and mobility across the hybrid environment. This book will ensure you develop an SDDC approach for your datacenter that fulfills your organization's needs and tremendously boosts your agility and flexibility. It will also teach you how to draft, design, and deploy toolsets and software to automate your datacenter and speed up IT delivery to meet your lines of businesses demands. At the end, you will build unified hybrid clouds that dramatically boost your IT outcomes. Style and approach With the ever-changing nature of businesses and enterprises, having the capability to navigate through the complexities is of utmost importance. This book takes an approach that combines industry expertise with revolutionary VMware products to deliver a complete SDDC experience through practical examples and techniques, with proven cost-effective benefits.

Storage virtualization has come of age, offering IT professionals powerful new ways to simplify infrastructure, streamline management, improve utilization, and reduce costs. Now, the author of the best-selling storage books IP SANs and Designing Storage Area Networks presents an up-to-the-minute, vendor-neutral overview of storage virtualization in all its forms.

Hacking: A Beginners Guide to Your First Computer Hack; Learn to Crack a Wireless Network, Basic Security Penetration Made Easy

VMware VSphere 6.x Datacenter Design Cookbook Second Edition

Managing NFS and NIS

Driving Business Strategies with Data Science

Made Simple