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Getting Started with Oracle VM VirtualBox Oracle VM Manager 2.1.2 Virtualbox Guide for Beginners Oracle Vm Virtualbox Tutorial for Complete Beginners Oracle VM VirtualBox for Complete Beginners Experiences with Oracle 11gR2 on Linux on System z Linux and Solaris Recipes for Oracle DBAs Pro Oracle Database 11g RAC on Linux Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard Oracle VM Implementation and Administration Guide PhoneGap Build Experiences with Oracle Database 12c Release 1 on Linux on System z Oracle VM Implementation and Administration Guide Architecting and Building High-Speed SoCs Virtualbox 3.1 Oracle VM 3 Cloud Implementation and Administration Guide, Second Edition Scalable Data Architecture with Java Installing and configuring Oracle forms and reports 11g for development environments. Linux Basics for Hackers Constructing an Ethical Hacking Knowledge Base for Threat Awareness and Prevention Computational Biology Big Data Forensics – Learning Hadoop Investigations Advanced Digital System Design using SoC FPGAs Mastering Linux System Administration Serverless Architectures with Kubernetes CompTIA Network+ Guide to Networks Linux Kernel Programming Network+ Guide to Networks Research Anthology on Advancements in Cybersecurity Education VirtualBox Made Easy Mastering Oracle Database 19c Part 1: Infrastructure Data Communication and Computer Networks: A Business User's Approach Reconnaissance for Ethical Hackers Enterprise Application Architecture with .NET Core Oracle on IBM Z Machine Learning Models and Algorithms for Big Data Classification Oil and Gas Exploration Design and Use of Virtualization Technology in Cloud Computing 25 Essential Windows Home Server Projects Volume 2 Oracle GoldenGate 11g Handbook

Oracle VM 3 Cloud Implementation and Administration Guide, Second Edition 2017-09-22 master cloud building with oracle vm 3 installation configuration and maintenance set up configure and manage a dynamic virtualization platform across your enterprise using the detailed information contained in this oracle press guide the book shows step by step how to size servers for oracle vm choose and deploy virtualization hardware and manage the environment as the foundation for a private cloud infrastructure real world examples and valuable best practices are featured throughout oracle vm 3 cloud implementation and administration guide lays out key virtualization concepts and clearly explains every aspect of oracle vm architecture from there you will learn how design server farms build and maintain virtual machines handle provisioning and cloning work with oracle vm manager and incorporate solid security procedures advanced topics such as disaster recovery design and implementation cloud management with oracle enterprise manager cloud control and advanced storage and network integration aspects are fully covered features tips techniques and tools for optimizing oracle products on oracle vm contains expert hands on advice on tackling the most common challenges written by a team of oracle professionals with extensive vm experience

Oil and Gas Exploration 2017-03-13 oil and gas exploration methods and application presents a summary of new results related to oil and gas prospecting that are useful for theoreticians and practical professionals the study of oil and gas complexes and intrusions occurring in sedimentary basins is crucial for identifying the location of oil and gas fields and for making accurate predictions on oil findings volume highlights include advanced geophysical techniques for achieving hydrocarbon exploration efficiency from beneath the earth discussion of theoretical and practical approaches in solving problems related to exploring and mining new oil and gas deposits new geological concepts for predicting potential hydrocarbon targets novel methods of control of the outworking of these deposits using different geophysical methods significant for optimization of mining hydrocarbon and carbonate deposits estimation of the degree of outworking of oil and gas deposits to facilitate the use of space time monitoring of different kinds of fields analysis of exploration data by an efficient processing system based on strong methods proven mathematically oil and gas exploration is a valuable resource for exploration geophysicists petroleum engineers geoengineers petrologists mining engineers and economic geologists who will gain insights into exploring new methods

involved in finding natural resources from our earth read an interview with the editors to find out more eos org editors vox where and how can we find new sources of oil and gas

Scalable Data Architecture with Java 2022-09-30 orchestrate data architecting solutions using java and related technologies to evaluate recommend and present the most suitable solution to leadership and clients key features learn how to adapt to the ever evolving data architecture technology landscape understand how to choose the best suited technology platform and architecture to realize effective business value implement effective data security and governance principles book description java architectural patterns and tools help architects to build reliable scalable and secure data engineering solutions that collect manipulate and publish data this book will help you make the most of the architecting data solutions available with clear and actionable advice from an expert you'll start with an overview of data architecture exploring responsibilities of a java data architect and learning about various data formats data storage databases and data application platforms as well as how to choose them next you'll understand how to architect a batch and real time data processing pipeline you'll also get to grips with the various java data processing patterns before progressing to data security and governance the later chapters will show you how to publish data as a service and how you can architect it finally you'll focus on how to evaluate and recommend an architecture by developing performance benchmarks estimations and various decision metrics by the end of this book you'll be able to successfully orchestrate data architecture solutions using java and related technologies as well as to evaluate and present the most suitable solution to your clients what you will learn analyze and use the best data architecture patterns for problems understand when and how to choose java tools for a data architecture build batch and real time data engineering solutions using java discover how to apply security and governance to a solution measure performance publish benchmarks and optimize solutions evaluate choose and present the best architectural alternatives understand how to publish data as a service using graphql and a rest api who this book is for data architects aspiring data architects java developers and anyone who wants to develop or optimize scalable data architecture solutions using java will find this book useful a basic understanding of data architecture and java programming is required to get the best from this book

Network+ Guide to Networks 2015-04-23 readers master the technical skills and industry know how required to begin an exciting career installing configuring and troubleshooting computer networks with the completely updated network guide to networks 7e readers prepare for success on compa's network n10 006 certification exam with fully mapped coverage of all objectives including protocols topologies hardware network design and troubleshooting new interactive features cater to the grazing reader making essential information easily accessible and helping learners visualize high level concepts this edition introduces the latest developing technology with a fresh logical organization new osi layer icons visually link concepts and the osi model new and updated on the job stories applying concepts activities hands on and case projects encourage further exploration of chapter concepts this edition's emphasis on real world problem solving provides the tools to succeed in any computing environment important notice media content referenced within the product description or the product text may not be available in the ebook version

PhoneGap Build 2013-11-21 phonegap is a standards based open source development framework that can be deployed to any mobile device without losing the features of the native app allowing for access to device contacts the local file system camera and media on multiple platforms without requiring users to write a single line of code ideal for intermediate to advanced users phonegap build developing cross platform mobile applications in the cloud offers the comprehensive coverage you need to harness the power of this dynamic tool it provides complete coverage of the cloud computing platform and the theories behind cloud computing using a series of engaging examples the book explains the differences between existing mobile platforms the different types of browsers they support and the programming languages and integrated development environment required to develop apps for each of them it then describes how phonegap makes the task of developing cross platform mobile apps easier this book will teach you how to use html5 css3 and javascript to develop apps for devices across various mobile operating systems phonegap build to develop mobile apps in the cloud phonegap with sencha touch and jquery mobile back end databases to store and retrieve information the text starts with simpler applications and gradually moves toward describing advanced concepts and how to exploit different application programming interfaces and methods by the time you finish the book you will learn how to develop feature rich mobile applications that can run on the cloud to support different platforms supplying authoritative guidance and proven best practices for designing cloud based applications the book is an ideal reference for cloud system developers architects and it professionals it is also suitable for use in instructional settings

Mastering Linux System Administration 2021-06-29 achieve linux system administration mastery with time tested and proven techniques in mastering linux system administration linux experts and system administrators christine bresnahan and richard blum deliver a comprehensive roadmap to go from linux beginner to expert linux system administrator with a learning by doing approach organized by do it yourself tasks the book includes instructor materials like a sample syllabus additional review

questions and slide decks amongst the practical applications of the linux operating system included within you'll find detailed and easy to follow instruction on installing linux servers understanding the boot and initialization processes managing hardware and working with networks accessing the linux command line working with the virtual directory structure and creating shell scripts to automate administrative tasks managing linux user accounts system security web and database servers and virtualization environments perfect for entry level linux system administrators as well as system administrators familiar with windows mac netware or other unix systems mastering linux system administration is a must read guide to manage and secure linux servers

Oracle VM Manager 2.1.2 2009-07-15 manage a flexible and elastic data center with oracle vm manager using this book and ebook

Enterprise Application Architecture with .NET Core 2017-04-25 architect and design highly scalable robust clean and highly performant applications in net core about this book incorporate architectural soft skills such as devops and agile methodologies to enhance program level objectives gain knowledge of architectural approaches on the likes of soa architecture and microservices to provide traceability and rationale for architectural decisions explore a variety of practical use cases and code examples to implement the tools and techniques described in the book who this book is for this book is for experienced net developers who are aspiring to become architects of enterprise grade applications as well as software architects who would like to leverage net to create effective blueprints of applications what you will learn grasp the important aspects and best practices of application lifecycle management leverage the popular alm tools application insights and their usage to monitor performance testability and optimization tools in an enterprise explore various authentication models such as social media based authentication 2fa and openid connect learn authorization techniques explore azure with various solution approaches for microservices and serverless architecture along with docker containers gain knowledge about the recent market trends and practices and how they can be achieved with net core and microsoft tools and technologies in detail if you want to design and develop enterprise applications using net core as the development framework and learn about industry wide best practices and guidelines then this book is for you the book starts with a brief introduction to enterprise architecture which will help you to understand what enterprise architecture is and what the key components are it will then teach you about the types of patterns and the principles of software development and explain the various aspects of distributed computing to keep your applications effective and scalable these chapters act as a catalyst to start the practical implementation and design and develop applications using different architectural approaches such as layered architecture service oriented architecture microservices and cloud specific solutions gradually you will learn about the different approaches and models of the security framework and explore various authentication models and authorization techniques such as social media based authentication and safe storage using app secrets by the end of the book you will get to know the concepts and usage of the emerging fields such as devops bigdata architectural practices and artificial intelligence style and approach filled with examples and use cases this guide takes a no nonsense approach to show you the best tools and techniques required to become a successful software architect

Getting Started with Oracle VM VirtualBox 2013-12 a step by step guide that will show you how to install configure and manage virtualbox this book is for system administrators technical architects and virtualization enthusiasts who want to learn how to set up a virtual machine knowledge of the linux environment is expected prior experience with virtualbox or knowledge of virtualization is not required

Serverless Architectures with Kubernetes 2019-11-29 deploy orchestrate and monitor serverless applications using kubernetes key featuresget hands on experience with frameworks such as kubeless apache openwhisk and funktionmaster the basics of kubernetes and prepare yourself for challenging technical assessmentslearn how to launch kubernetes both locally and in a public cloudbook description kubernetes has established itself as the standard platform for container management orchestration and deployment by learning kubernetes you'll be able to design your own serverless architecture by implementing the function as a service faas model after an accelerated hands on overview of the serverless architecture and various kubernetes concepts you'll cover a wide range of real world development challenges faced by real world developers and explore various techniques to overcome them you'll learn how to create production ready kubernetes clusters and run serverless applications on them you'll see how kubernetes platforms and serverless frameworks such as kubeless apache openwhisk and openfaas provide the tooling to help you develop serverless applications on kubernetes you'll also learn ways to select the appropriate framework for your upcoming project by the end of this book you'll have the skills and confidence to design your own serverless applications using the power and flexibility of kubernetes what you will learndeploy a kubernetes cluster locally with minikubeget familiar with aws lambda and google cloud functionscreate build and deploy a webpage generated by the serverless functions in the cloudcreate a kubernetes cluster running on the virtual kubelet hardware abstractioncreate test troubleshoot and delete an openfaas functioncreate a sample slackbot with apache openwhisk actionswho this book is for this book is for software developers and devops engineers who have basic or intermediate knowledge about kubernetes and want to learn how to create serverless applications that run on kubernetes

those who want to design and create serverless applications running on the cloud or on premise kubernetes clusters will also find this book useful

Virtualbox Guide for Beginners 2017-06-06 this book is a guide on how to use virtualbox it begins by guiding you on how to get started with virtualbox by installing and configuring it in linux windows mac os x and solaris platforms you are then guided on how to create your first virtual machine in the virtualbox the process of creating a hadoop cluster in virtualbox is also discussed this has been explained in a step by step manner to help you grasp every concept with vm groups one can group together virtual machines with this a single action can be applied to all the virtual machines which are contained in the group this book guides you on how to create a vm group in virtualbox you are also shown how to emulate a network by use of common networking devices such as routers and pcs in a virtualbox the virtualbox extension pack is very essential as it helps us accomplish much in a virtualbox this book teaches you how to install and set it up in virtualbox the book also guides you on how you can share folders between the guest and the host in a virtualbox the process of adding new drives to the virtual machines is explored the following topics are discussed in this book getting started with virtualbox creating the first virtual machine creating a hadoop cluster creating and managing vm groups emulating a network in virtualbox installing virtualbox extension pack sharing folders between host and guest in virtualbox adding a new drive to virtual machines

Advanced Digital System Design using SoC FPGAs 2023-01-10 this textbook teaches students techniques for the design of advanced digital systems using system on chip soc field programmable gate arrays fpgas the author demonstrates design of custom hardware components for the fpga fabric using vhdl with implementation of custom hardware software interfaces readers gain hands on experience by writing programs and linux device drivers in c to interact with custom hardware this textbook enables laboratory experience in the design of custom digital systems using soc fpgas emphasizing computational tasks such as digital signal processing audio or video processing

Oracle GoldenGate 11g Handbook 2013-07-09 provides information on replicating data across oracle databases and other platforms with oracle goldengate 11g

Linux Kernel Programming 2021-03-19 learn how to write high quality kernel module code solve common linux kernel programming issues and understand the fundamentals of linux kernel internals key featuresdiscover how to write kernel code using the loadable kernel module frameworkexplore industry grade techniques to perform efficient memory allocation and data synchronization within the kernelunderstand the essentials of key internals topics such as kernel architecture memory management cpu scheduling and kernel synchronizationbook description linux kernel programming is a comprehensive introduction for those new to linux kernel and module development this easy to follow guide will have you up and running with writing kernel code in next to no time this book uses the latest 5.4 long term support lts linux kernel which will be maintained from november 2019 through to december 2025 by working with the 5.4 lts kernel throughout the book you can be confident that your knowledge will continue to be valid for years to come you'll start the journey by learning how to build the kernel from the source next you'll write your first kernel module using the powerful loadable kernel module lkm framework the following chapters will cover key kernel internals topics including linux kernel architecture memory management and cpu scheduling during the course of this book you'll delve into the fairly complex topic of concurrency within the kernel understand the issues it can cause and learn how they can be addressed with various locking technologies mutexes spinlocks atomic and refcount operators you'll also benefit from more advanced material on cache effects a primer on lock free techniques within the kernel deadlock avoidance with lockdep and kernel lock debugging techniques by the end of this kernel book you'll have a detailed understanding of the fundamentals of writing linux kernel module code for real world projects and products what you will learnwrite high quality modular kernel code lkm framework for 5.x kernelsconfigure and build a kernel from sourceexplore the linux kernel architectureget to grips with key internals regarding memory management within the kernelunderstand and work with various dynamic kernel memory alloc deallocaapisdiscover key internals aspects regarding cpu scheduling within the kernelgain an understanding of kernel concurrency issuesfind out how to work with key kernel synchronization primitiveswho this book is for this book is for linux programmers beginning to find their way with linux kernel development if you're a linux kernel and driver developer looking to overcome frequent and common kernel development issues or understand kernel internals you'll find plenty of useful information you'll need a solid foundation of linux cli and c programming before you can jump in

Oracle VM Implementation and Administration Guide 2011-08-05 master the powerful virtualization tools in oracle vm set up and maintain a dynamic virtualization platform across your enterprise using the detailed information contained in this oracle press guide oracle vm implementation and administration guide contains key virtualization concepts practical instructions examples and best practices find out how to design oracle vm server farms build and deploy virtual machines handle provisioning and cloning and work with oracle vm manager monitoring tuning and security techniques are also covered in this comprehensive volume install configure and manage all oracle vm components plan size and set up oracle vm server farms and server pools control resources from oracle enterprise manager grid control oracle vm manager and oracle vm command line interface manage network drives and virtual storage using oracle vm tools create virtual machines manually or from oracle library templates convert existing

virtual machines on other systems to oracle vm virtual machines generate virtual machine clones that run on multiple server pools maintain guest operating systems and software using oracle enterprise manager grid control s oracle vm management pack

Big Data Forensics – Learning Hadoop Investigations 2015-09-24 perform forensic investigations on hadoop clusters with cutting edge tools and techniques about this book identify collect and analyze hadoop evidence forensically learn about hadoop s internals and big data file storage concepts a step by step guide to help you perform forensic analysis using freely available tools who this book is for this book is meant for statisticians and forensic analysts with basic knowledge of digital forensics they do not need to know big data forensics if you are an it professional law enforcement professional legal professional or a student interested in big data and forensics this book is the perfect hands on guide for learning how to conduct hadoop forensic investigations each topic and step in the forensic process is described in accessible language what you will learn understand hadoop internals and file storage collect and analyze hadoop forensic evidence perform complex forensic analysis for fraud and other investigations use state of the art forensic tools conduct interviews to identify hadoop evidence create compelling presentations of your forensic findings understand how big data clusters operate apply advanced forensic techniques in an investigation including file carving statistical analysis and more in detail big data forensics is an important type of digital investigation that involves the identification collection and analysis of large scale big data systems hadoop is one of the most popular big data solutions and forensically investigating a hadoop cluster requires specialized tools and techniques with the explosion of big data forensic investigators need to be prepared to analyze the petabytes of data stored in hadoop clusters understanding hadoop s operational structure and performing forensic analysis with court accepted tools and best practices will help you conduct a successful investigation discover how to perform a complete forensic investigation of large scale hadoop clusters using the same tools and techniques employed by forensic experts this book begins by taking you through the process of forensic investigation and the pitfalls to avoid it will walk you through hadoop s internals and architecture and you will discover what types of information hadoop stores and how to access that data you will learn to identify big data evidence using techniques to survey a live system and interview witnesses after setting up your own hadoop system you will collect evidence using techniques such as forensic imaging and application based extractions you will analyze hadoop evidence using advanced tools and techniques to uncover events and statistical information finally data visualization and evidence presentation techniques are covered to help you properly communicate your findings to any audience style and approach this book is a complete guide that follows every step of the forensic analysis process in detail you will be guided through each key topic and step necessary to perform an investigation hands on exercises are presented throughout the book and technical reference guides and sample documents are included for real world use

Design and Use of Virtualization Technology in Cloud Computing 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

25 Essential Windows Home Server Projects Volume 2 2012-01-18 25 essential windows home server projects volume 2 is the follow up to the wildly popular guide to getting much much more from microsoft s home server platform written by microsoft windows home server mvps jim clark and christopher courtney this ebook provides another 25 detailed step by step walkthroughs for those seeking to extend the features and usefulness of their home servers with projects designed for both windows home server v1 and windows home server 2011 beginners and experts alike will find the ebook essential reading with a wide range of projects including using your home server with apple itunes building a recorded tv collection with sick beard transforming your remote access website into a personal cloud server updating your windows home server client restore cd with the latest drivers and a whole lot more advanced users can check out how to install active directory on windows home server v1 create a sharepoint collaboration site and boot the windows home server restore cd from over the network this all new 822 page guide will help you push windows home server to fulfill its potential in the digital home and small office projects include stream music and movies to android ios and wp7 devices with subsonic convert your home server s security certificate to a friendlier format use windows home server as a time server manage pc updates with windows server update services keep your electricity bills in check with lights out power management update your windows home server client restore disk with the latest drivers run virtual machines on windows home server spring clean your files and folders with the power of de duplication create a sharepoint collaboration site on windows home server back up your home server s files to the cloud for added protection create your own streaming

internet radio station with shoutcast build a widgetised portal for your home server replicate your files and folders automatically to an external storage device sync your home server's files across multiple devices build and manage an iTunes server for your network clean and de-duplicate your iTunes music library install an FTP server on Windows home server stream DVDs Blu-rays and ISOs to network devices and games consoles migrate from Windows Home Server to Windows 8 secure and monitor your home server's remote access manage your TV show recordings with Sick Beard upgrade your HP MediaSmart server to Windows Home Server 2011 create a personal cloud server with OwnCloud add a Windows Home Server restore option to your PC's boot menu enable Active Directory support on Windows Home Server v1

CompTIA Network+ Guide to Networks 2021-06-16 master the technical skills and industry knowledge you need to begin an exciting career installing configuring and troubleshooting computer networks with West's completely updated network guide to Networks 9e this resource thoroughly prepares you for success on the latest CompTIA Network+ N10-008 certification exam as content corresponds to all exam objectives including protocols topologies hardware network design security and troubleshooting detailed step-by-step instructions as well as cloud virtualization and simulation projects give you experience working with a variety of hardware software and operating systems as well as device interactions stories from professionals on the job insightful discussion prompts hands-on activities applications and projects all guide you in exploring key concepts in depth you gain the problem-solving tools for success in any computing environment important notice media content referenced within the product description or the product text may not be available in the eBook version

Research Anthology on Advancements in Cybersecurity Education 2021-08-27 modern society has become dependent on technology allowing personal information to be input and used across a variety of personal and professional systems from banking to medical records to e-commerce sensitive data has never before been at such a high risk of misuse as such organizations now have a greater responsibility than ever to ensure that their stakeholder data is secured leading to the increased need for cybersecurity specialists and the development of more secure software and systems to avoid issues such as hacking and create a safer online space cybersecurity education is vital and not only for those seeking to make a career out of cybersecurity but also for the general public who must become more aware of the information they are sharing and how they are using it it is crucial people learn about cybersecurity in a comprehensive and accessible way in order to use the skills to better protect all data the research anthology on advancements in cybersecurity education discusses innovative concepts theories and developments for not only teaching cybersecurity but also for driving awareness of efforts that can be achieved to further secure sensitive data providing information on a range of topics from cybersecurity education requirements cyberspace security talents training systems and insider threats it is ideal for educators it developers education professionals administrators researchers security analysts systems engineers software security engineers security professionals policymakers and students

VirtualBox Made Easy 2020 information technology has come a long way in the past 5-10 years and one of the greatest advancements in this field has to be that of virtualizing computers and servers in order to save it administrators a lot of time and their companies a lot of money when it comes to building their backend systems and now we can even go beyond virtualizing computers and virtualize our networks as well because virtualization allows us to run multiple computers machines on one piece of hardware it makes it so easy to set up multiple systems quickly and also allows a way for us to set up test systems that we can use for our labs to test out new software and operating systems then when we are done we simply wipe out that test system and it was like it was never there since virtualization is so common within organizations it was just a matter of time before it was implemented on a smaller scale so we could use it on our desktops now we have software like Oracle's VirtualBox that allow us to create multiple virtual machines within one physical machine your desktop computer and even let them communicate with each other via their virtual networks the goal of this book is to get you up and running with VirtualBox and cover all the things you need to know to get you started on creating virtual machines and a virtualized environment without confusing you at the same time it sticks with the basics yet covers a wide variety of topics to help you achieve some great looking results without needing to be a movie editing expert the chapters in the book cover the following topics chapter 1 what is virtualization and VirtualBox chapter 2 installing VirtualBox chapter 3 the VirtualBox manager chapter 4 creating a virtual machine VM chapter 5 virtual machine settings chapter 6 networking chapter 7 preferences and additional features about the author James Bernstein has been working with various companies in the IT field since 2000 managing technologies such as SAN and NAS storage VMware backups Windows servers Active Directory DNS DHCP networking Microsoft Office Exchange and more he has obtained certifications from Microsoft VMware CompTIA ShoreTel and SNIA and continues to strive to learn new technologies to further his knowledge on a variety of subjects he is also the founder of the website onlinecomputertips.com which offers its readers valuable information on topics such as Windows networking hardware software and troubleshooting Jim writes much of the content himself and adds new content on a regular basis the site was started in 2005 and is still going strong today

Machine Learning Models and Algorithms for Big Data Classification 2015-10-20 this book presents machine learning models and algorithms to address big data classification problems existing machine learning techniques like the decision tree a hierarchical approach random forest an ensemble hierarchical approach and deep learning a layered approach are highly suitable for the system that can handle such problems this book helps readers especially students and newcomers to the field of big data and machine learning to gain a quick understanding of the techniques and technologies therefore the theory examples and programs matlab and r presented in this book have been simplified hardcoded repeated or spaced for improvements they provide vehicles to test and understand the complicated concepts of various topics in the field it is expected that the readers adopt these programs to experiment with the examples and then modify or write their own programs toward advancing their knowledge for solving more complex and challenging problems the presentation format of this book focuses on simplicity readability and dependability so that both undergraduate and graduate students as well as new researchers developers and practitioners in this field can easily trust and grasp the concepts and learn them effectively it has been written to reduce the mathematical complexity and help the vast majority of readers to understand the topics and get interested in the field this book consists of four parts with the total of 14 chapters the first part mainly focuses on the topics that are needed to help analyze and understand data and big data the second part covers the topics that can explain the systems required for processing big data the third part presents the topics required to understand and select machine learning techniques to classify big data finally the fourth part concentrates on the topics that explain the scaling up machine learning an important solution for modern big data problems

Pro Oracle Database 11g RAC on Linux 2011-01-11 pro oracle database 11g rac on linux provides full life cycle guidance on implementing oracle real application clusters in a linux environment real application clusters commonly abbreviated as rac is oracle s industry leading architecture for scalable and fault tolerant databases rac allows you to scale up and down by simply adding and subtracting inexpensive linux servers redundancy provided by those multiple inexpensive servers is the basis for the failover and other fault tolerance features that rac provides written by authors well known for their talent with rac pro oracle database 11g rac on linux gives you a rock solid and technically flawless foundation on which to build your rac management skills authors julian dyke and steve shaw share their hard won experience in building rac clusters showing you how to build for success using the very latest oracle technologies such as automatic storage management asm and oracle clusterware you ll learn to troubleshoot performance and other problems you ll even learn how to correctly deploy rac in a virtual machine environment based upon oracle vm which is the only virtualization solution supported by oracle corporation rac is a complex and powerful technology it demands expertise in its deployment you can t just wing it in creating a rac solution julian and steve have earned the right to term themselves expert in pro oracle database 11g rac on linux they offer a rigorous and technically correct treatment of rac that helps you build a solid foundation of expertise and achieve success rigorous and technically accurate content complete coverage of rac from planning to implementation to rollout to ongoing maintenance and troubleshooting up to date with the very latest rac features

Data Communication and Computer Networks: A Business User's Approach 2022-01-19 whether you are preparing for a career as a business manager computer programmer or system designer or you simply want to be an informed home computer user west s data communications and computer networks 9th edition provides an understanding of the essential features operations and limitations of today s computer networks you learn about systems both on premises and in the cloud as the author balances technical concepts with practical everyday issues updates address the latest developments and practices in cloud business principles and security techniques software defined networking 5g the internet of things data analytics and supporting remote workforces this edition also covers the comptia s cloud essentials exam to help you prepare for this vendor neutral business oriented cloud computing certification hands on learning features and thought provoking content also guide you through virtual networking technologies industry convergence and wired and wireless lan technologies important notice media content referenced within the product description or the product text may not be available in the ebook version

Architecting and Building High-Speed SoCs 2022-12-09 design a high speed soc while gaining a holistic view of the fpga design flow and overcoming its challenges purchase of the print or kindle book includes a free ebook in the pdf format key features use development tools to implement and verify an soc including arm cpus and the fpga logic overcome the challenge of time to market by using fpga socs and avoid the prohibitive asic nre cost understand the integration of custom logic accelerators and the soc software and build them book description modern and complex socs can adapt to many demanding system requirements by combining the processing power of arm processors and the feature rich xilinx fpgas you ll need to understand many protocols use a variety of internal and external interfaces pinpoint the bottlenecks and define the architecture of an soc in an fpga to produce a superior solution in a timely and cost efficient manner this book adopts a practical approach to helping you master both the hardware and software design flows understand key interconnects and interfaces analyze the system performance and enhance it using the acceleration techniques and finally build an rto

based software application for an advanced soc design you ll start with an introduction to the fpga socs technology fundamentals and their associated development design tools gradually the book will guide you through building the soc hardware and software starting from the architecture definition to testing on a demo board or a virtual platform the level of complexity evolves as the book progresses and covers advanced applications such as communications security and coherent hardware acceleration by the end of this book you ll have learned the concepts underlying fpga socs advanced features and you ll have constructed a high speed soc targeting a high end fpga from the ground up what you will learn understand soc fpgas main features advanced buses and interface protocols develop and verify an soc hardware platform targeting an fpga based soc explore and use the main tools for building the soc hardware and software build advanced socs using hardware acceleration with custom ip implement an os based software application targeting an fpga based soc understand the hardware and software integration techniques for soc fpgas use tools to co debug the soc software and hardware gain insights into communication and dsp principles in fpga based socs who this book is for this book is for fpga and asic hardware and firmware developers iot engineers soc architects and anyone interested in understanding the process of developing a complex soc including all aspects of the hardware design and the associated firmware design prior knowledge of digital electronics and some experience of coding in vhdl or verilog and c or a similar language suitable for embedded systems will be required for using this book a general understanding of fpga and cpu architecture will also be helpful but not mandatory

Linux Basics for Hackers 2018-12-04 this practical tutorial style book uses the kali linux distribution to teach linux basics with a focus on how hackers would use them topics include linux command line basics filesystems networking bash basics package management logging and the linux kernel and drivers if you re getting started along the exciting path of hacking cybersecurity and pentesting linux basics for hackers is an excellent first step using kali linux an advanced penetration testing distribution of linux you ll learn the basics of using the linux operating system and acquire the tools and techniques you ll need to take control of a linux environment first you ll learn how to install kali on a virtual machine and get an introduction to basic linux concepts next you ll tackle broader linux topics like manipulating text controlling file and directory permissions and managing user environment variables you ll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and python practical tutorials and exercises throughout will reinforce and test your skills as you learn how to cover your tracks by changing your network information and manipulating the rsyslog logging utility write a tool to scan for network connections and connect and listen to wireless networks keep your internet activity stealthy using tor proxy servers vpns and encrypted email write a bash script to scan open ports for potential targets use and abuse services like mysql apache web server and openssh build your own hacking tools such as a remote video spy camera and a password cracker hacking is complex and there is no single way in why not start at the beginning with linux basics for hackers

Installing and configuring Oracle forms and reports 11g for development environments. 2018-05-23 the definitive guide for the oracle and forms 11g developer to set up their work environment the guide includes installation and setup virtualbox vms os installation oracle software installation webutil setup

Experiences with Oracle Database 12c Release 1 on Linux on System z 2014-05-13 oracle database 12c release 1 is now supported on linux on ibm system z this platform offers many advantages to customers who rely upon the ibm mainframe systems to run their businesses linux on system z takes advantage of the qualities of service in the system z hardware and in ibm z vm making it a robust industrial strength version of linux this provides an excellent platform for hosting oracle solutions that run in an enterprise this ibm redbooks publication shares experiences that are gained while installing and testing oracle database 12c release 1 recommendations about how to set up an infrastructure installing an oracle grid infrastructure installing oracle 12c r1 real application clusters rac and creating a rac database including a multitenant database using the cloud control agent to manage oracle database 12c release 1 installing oracle weblogic server 12c upgrading from an oracle database from 11gr2 to 12c release 1 the audience for this publication includes database consultants installers administrators and system programmers this publication is not meant to replace oracle documentation but to supplement it with our experiences while installing and using oracle products

Constructing an Ethical Hacking Knowledge Base for Threat Awareness and Prevention 2018-12-14 in recent decades there has been incredible growth in the use of various internet applications by individuals and organizations who store sensitive information online on different servers this greater reliance of organizations and individuals on internet technologies and applications increases the threat space and poses several challenges for implementing and maintaining cybersecurity practices constructing an ethical hacking knowledge base for threat awareness and prevention provides innovative insights into how an ethical hacking knowledge base can be used for testing and improving the network and system security posture of an organization it is critical for each individual and institute to learn hacking tools and techniques that are used by dangerous hackers in tandem with forming a team of ethical hacking professionals to test their systems effectively highlighting topics including cyber operations server security and network statistics this publication is designed for technical experts students academicians government officials and industry professionals

Experiences with Oracle 11gR2 on Linux on System z 2013-11-22 linux on system z offers many advantages to customers who rely on the ibm mainframe systems to run their businesses linux on system z makes use of the qualities of service in the system z hardware and in z vm making it a robust industrial strength linux this provides an excellent platform for hosting oracle solutions that run in your enterprise this ibm redbooks publication is divided into several sections to share the following experiences that are gained while oracle database 11gR2 is installed and tested setting up red hat enterprise linux 6 for oracle managing an oracle on linux on system z environment provisioning linux guests using several tools it also includes many general hints and tips for running oracle products on ibm system z with linux and z vm interested readers include database consultants installers administrators and system programmers this book is not meant to replace oracle documentation but to supplement it with our experiences while oracle products are installed and used

Virtualbox 3.1 2010-04-15 deploy and manage a cost effective virtual environment using virtualbox

Linux and Solaris Recipes for Oracle DBAs 2015-11-27 linux and solaris recipes for oracle dbas 2nd edition is an example based book on managing oracle database under linux and solaris the book is written for database administrators who need to get work done and lack the luxury of curling up fireside with a stack of operating system documentation what this book provides instead is task oriented coverage designed around the needs of the oracle database administrator find the right chapter look up the task to perform see the solution implement the solution straight away in your own environment get the job done new in this edition is coverage of oracle s own solaris operating system oracle corporation has been working diligently to bring commonality between solaris and linux and this book takes advantage of those efforts to provide task oriented solutions that work on common distributions of linux such as red hat enterprise linux and oracle enterprise linux while also accommodating the growing number of oracle solaris customers examples in the book match the tasks dbas perform daily even hourly solutions come first in the book but always are followed by close explanations of the details database administrators won t go wrong with linux and solaris recipes for oracle dbas it s the book to buy if you re after clear and reliable examples to help in getting the job done and getting home to your family takes you directly from problem to solution covers the right mix of operating system tasks for database administrators respects your time by being succinct and to the point includes coverage of solaris in addition to common linux distributions what you will learn execute linux and solaris commands applicable to oracle database automate critical dba tasks via operating system shell scripts monitor tune and optimize linux and solaris servers for oracle setup a virtualbox environment for the oracle database perform system administration tasks relevant to oracle database remotely and securely manage oracle on linux and solaris who this book is for linux and solaris recipes for oracle dbas is a book for oracle database administrators who want to expertly operate oracle databases on the linux and solaris operating systems if you re new to linux and solaris and can benefit from detailed examples showing how to perform tasks that oracle dbas perform on linux and solaris servers then this book is what you need to help you get the job done and get home on time

Oracle on IBM Z 2018-07-26 oracle database 12c release 1 running on linux is available for deployment on the ibm ztm family of servers the enterprise grade linux on ibm z solution is designed to add value to oracle database solutions including the new functions that are introduced in oracle database 12c in this ibm redbooks publication we explore the ibm and oracle alliance and describe how oracle database benefits from the ibm z platform we then explain how to set up linux guests to install oracle database 12c we also describe how to use the oracle enterprise manager cloud control agent to manage oracle database 12c release 1 we also describe a successful consolidation project from sizing to migration performance management topics and high availability finally we end with a chapter about surrounding oracle with open source software the audience for this publication includes database consultants installers administrators and system programmers this publication is not meant to replace oracle documentation but to supplement it with our experiences while installing and using oracle products

Oracle Vm Virtualbox Tutorial for Complete Beginners 2016-05-01 this book was written to help you start working with oracle vm virtualbox a free open source cross platform application for creating managing and running virtual machines if you didn t previously work with a virtualization solution such as oracle vm virtualbox this book is for you this book was written for people without much experience in the world of virtualization although the book presumes some knowledge about computer systems in general it is customized for beginners you will learn how to download install and manage virtual machines using oracle vm virtualbox you will learn how to create move or delete a virtual machine install a guest operating system inside a virtual machine how to create and delete virtual disk how to configure virtual networks and much more here is a list of topics covered in this book introduction to virtualization what is virtualization benefits of virtualization what is oracle vm virtualbox virtualbox features installation system requirements for virtualbox where to download your copy of the software windows and ubuntu installations create virtual machines what is a virtual machine how to create a vm in virtualbox what is a guest operating system what are guest additions use virtual machines start and pause a vm take a snapshot restore a snapshot clone a virtual

machine manage virtual machines change the vm name move a vm display log files configure devices add a dvd or cd rom drive add a floppy drive usb settings configure networking what is virtual networking configure nat bridged host only and internal networking

Computational Biology 2013-01-30 this greatly expanded 2nd edition provides a practical introduction to data processing with linux tools and the programming languages awk and perl data management with the relational database system mysql and data analysis and visualization with the statistical computing environment r for students and practitioners in the life sciences although written for beginners experienced researchers in areas involving bioinformatics and computational biology may benefit from numerous tips and tricks that help to process filter and format large datasets learning by doing is the basic concept of this book worked examples illustrate how to employ data processing and analysis techniques e g for finding proteins potentially causing pathogenicity in bacteria supporting the significance of blast with homology modeling or detecting candidate proteins that may be redox regulated on the basis of their structure all the software tools and datasets used are freely available one section is devoted to explaining setup and maintenance of linux as an operating system independent virtual machine the author s experiences and knowledge gained from working and teaching in both academia and industry constitute the foundation for this practical approach

Oracle VM VirtualBox for Complete Beginners 2016-02-01 this book was written to help you start working with oracle vm virtualbox a free open source cross platform application for creating managing and running virtual machines if you didn t previously work with a virtualization solution such as oracle vm virtualbox this book is for you this book was written for people without much experience in the world of virtualization although the book presumes some knowledge about computer systems in general it is customized for beginners you will learn how to download install and manage virtual machines using oracle vm virtualbox you will learn how to create move or delete a virtual machine install a guest operating system inside a virtual machine how to create and delete virtual disk how to configure virtual networks and much more here is a list of topics covered in this book introduction to virtualization what is virtualization benefits of virtualization what is oracle vm virtualbox virtualbox features installation system requirements for virtualbox where to download your copy of the software windows and ubuntu installations create virtual machines what is a virtual machine how to create a vm in virtualbox what is a guest operating system what are guest additions use virtual machines start and pause a vm take a snapshot restore a snapshot clone a virtual machine manage virtual machines change the vm name move a vm display log files configure devices add a dvd or cd rom drive add a floppy drive usb settings configure networking what is virtual networking configure nat bridged host only and internal networking

Oracle VM Implementation and Administration Guide 2011-07-13 master the powerful virtualization tools in oracle vm set up and maintain a dynamic virtualization platform across your enterprise using the detailed information contained in this oracle press guide oracle vm implementation and administration guide contains key virtualization concepts practical instructions examples and best practices find out how to design oracle vm server farms build and deploy virtual machines handle provisioning and cloning and work with oracle vm manager monitoring tuning and security techniques are also covered in this comprehensive volume install configure and manage all oracle vm components plan size and set up oracle vm server farms and server pools control resources from oracle enterprise manager grid control oracle vm manager and oracle vm command line interface govern network drives and virtual storage using oracle vm tools create virtual machines manually or from oracle library templates convert existing virtual machines on other systems to oracle vm virtual machines generate virtual machine clones that run on multiple server pools maintain guest operating systems and software using oracle enterprise manager grid control s oracle vm management pack

Reconnaissance for Ethical Hackers 2023-08-04 use real world reconnaissance techniques to efficiently gather sensitive information on systems and networks purchase of the print or kindle book includes a free pdf ebook key features learn how adversaries use reconnaissance techniques to discover security vulnerabilities on systems develop advanced open source intelligence capabilities to find sensitive information explore automated reconnaissance and vulnerability assessment tools to profile systems and networks book description this book explores reconnaissance techniques the first step in discovering security vulnerabilities and exposed network infrastructure it aids ethical hackers in understanding adversaries methods of identifying and mapping attack surfaces such as network entry points which enables them to exploit the target and steal confidential information reconnaissance for ethical hackers helps you get a comprehensive understanding of how threat actors are able to successfully leverage the information collected during the reconnaissance phase to scan and enumerate the network collect information and pose various security threats this book helps you stay one step ahead in knowing how adversaries use tactics techniques and procedures ttps to successfully gain information about their targets while you develop a solid foundation on information gathering strategies as a cybersecurity professional the concluding chapters will assist you in developing the skills and techniques used by real adversaries to identify vulnerable points of entry into an organization and mitigate reconnaissance based attacks by the end of this book you ll have gained a solid understanding of reconnaissance as

well as learned how to secure yourself and your organization without causing significant disruption what you will learn understand the tactics techniques and procedures of reconnaissance grasp the importance of attack surface management for organizations find out how to conceal your identity online as an ethical hacker explore advanced open source intelligence osint techniques perform active reconnaissance to discover live hosts and exposed ports use automated tools to perform vulnerability assessments on systems discover how to efficiently perform reconnaissance on web applications implement open source threat detection and monitoring tools who this book is for if you are an ethical hacker a penetration tester red teamer or any cybersecurity professional looking to understand the impact of reconnaissance based attacks how they take place and what organizations can do to protect against them then this book is for you cybersecurity professionals will find this book useful in determining the attack surface of their organizations and assets on their network while understanding the behavior of adversaries

Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard 2011-04-22 leverage oracle database 11g release 2 high availability features protect your critical business assets and achieve maximum database uptime using the detailed information in this oracle press guide oracle database 11g release 2 high availability maximize your availability with grid infrastructure oracle real application clusters and oracle data guard second edition provides cost effective solutions to current availability challenges discover how to grid enable your it framework roll out oracle real application clusters maintain standby databases and deploy oracle flashback monitoring tuning and disaster recovery techniques are also covered in this comprehensive resource install oracle clusterware as part of oracle s grid infrastructure or upgrade from an earlier version build test clusters and hosts using oracle vm work with oracle automatic storage management and oracle automatic storage management cluster file system create synchronized standby databases using oracle data guard reliably archive and restore data with oracle recovery manager use oracle flashback to identify and undo user errors configure oracle enterprise manager grid control for management of an oracle maximum availability architecture environment

Mastering Oracle Database 19c Part 1: Infrastructure 2020-03-15 this oracle database 19c dba practical handbook is just the first part of a series of books since the scope of oracle s providence is very extensive there is a lot to go through and implore a thorough study of this guide will help in pertinent use of oracle products and a great on the job reference for oracle databases

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