

Oracle IaaS Quick Reference Guide To Cloud Solutions

Chaos Engineering teaches you to design and execute controlled experiments that uncover hidden problems. Summary Auto engineers test the safety of a car by intentionally crashing it and carefully observing the results. Chaos engineering applies the same principles to software systems. In *Chaos Engineering: Site Reliability Through Controlled Disruption*, you'll learn to run your applications and infrastructure through a series of tests that simulate real-life failures. You'll maximize the benefits of chaos engineering by learning to think like a chaos engineer, and how to design the proper experiments to ensure the reliability of your software. With examples that cover a whole spectrum of software, you'll be ready to run an intensive testing regime on anything from a simple WordPress site to a massive distributed system running on Kubernetes. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Can your network survive a devastating failure? Could an accident bring your day-to-day operations to a halt? Chaos engineering simulates infrastructure outages, component crashes, and other calamities to show how systems and staff respond. Testing systems in distress is the best way to ensure their future resilience, which is especially important for complex, large-scale applications with little room for downtime. About the book *Chaos Engineering* teaches you to design and execute controlled experiments that uncover

hidden problems. Learn to inject system-shaking failures that disrupt system calls, networking, APIs, and Kubernetes-based microservices infrastructures. To help you practice, the book includes a downloadable Linux VM image with a suite of preconfigured tools so you can experiment quickly—without risk. What's inside Inject failure into processes, applications, and virtual machines Test software running on Kubernetes Work with both open source and legacy software Simulate database connection latency Test and improve your team's failure response About the reader Assumes Linux servers. Basic scripting skills required. About the author Mikolaj Pawlikowski is a recognized authority on chaos engineering. He is the creator of the Kubernetes chaos engineering tool PowerfulSeal, and the networking visibility tool Goldpinger. Table of Contents 1 Into the world of chaos engineering PART 1 - CHAOS ENGINEERING FUNDAMENTALS 2 First cup of chaos and blast radius 3 Observability 4 Database trouble and testing in production PART 2 - CHAOS ENGINEERING IN ACTION 5 Poking Docker 6 Who you gonna call? Syscall-busters! 7 Injecting failure into the JVM 8 Application-level fault injection 9 There's a monkey in my browser! PART 3 - CHAOS ENGINEERING IN KUBERNETES 10 Chaos in Kubernetes 11 Automating Kubernetes experiments 12 Under the hood of Kubernetes 13 Chaos engineering (for) people Combine advanced analytics including Machine Learning, Deep Learning Neural Networks and Natural Language Processing with modern scalable technologies

including Apache Spark to derive actionable insights from Big Data in real-time Key Features Make a hands-on start in the fields of Big Data, Distributed Technologies and Machine Learning Learn how to design, develop and interpret the results of common Machine Learning algorithms Uncover hidden patterns in your data in order to derive real actionable insights and business value Book Description Every person and every organization in the world manages data, whether they realize it or not. Data is used to describe the world around us and can be used for almost any purpose, from analyzing consumer habits to fighting disease and serious organized crime. Ultimately, we manage data in order to derive value from it, and many organizations around the world have traditionally invested in technology to help process their data faster and more efficiently. But we now live in an interconnected world driven by mass data creation and consumption where data is no longer rows and columns restricted to a spreadsheet, but an organic and evolving asset in its own right. With this realization comes major challenges for organizations: how do we manage the sheer size of data being created every second (think not only spreadsheets and databases, but also social media posts, images, videos, music, blogs and so on)? And once we can manage all of this data, how do we derive real value from it? The focus of Machine Learning with Apache Spark is to help us answer these questions in a hands-on manner. We introduce the latest scalable technologies to help us manage and process big data. We then introduce advanced analytical algorithms applied to real-world use cases in order to uncover

patterns, derive actionable insights, and learn from this big data. What you will learn
Understand how Spark fits in the context of the big data ecosystem Understand how to
deploy and configure a local development environment using Apache Spark
Understand how to design supervised and unsupervised learning models Build models
to perform NLP, deep learning, and cognitive services using Spark ML libraries Design
real-time machine learning pipelines in Apache Spark Become familiar with advanced
techniques for processing a large volume of data by applying machine learning
algorithms Who this book is for This book is aimed at Business Analysts, Data Analysts
and Data Scientists who wish to make a hands-on start in order to take advantage of
modern Big Data technologies combined with Advanced Analytics.

This book describes the next generation of industry—Industry 4.0—and how it holds the
promise of increased flexibility in manufacturing, along with automation, better quality,
and improved productivity. The authors discuss how it thus enables companies to cope
with the challenges of producing increasingly individualized products with a short lead-
time to market and higher quality. The authors posit that intelligent cloud services and
resource sharing play an important role in Industry 4.0 anticipated Fourth Industrial
Revolution. This book serves the different issues and challenges in cloud resource
management CRM techniques with proper propped solution for IT organizations. The
book features chapters based on the characteristics of autonomic computing with its
applicability in CRM. Each chapter features the techniques and analysis of each

mechanism to make better resource management in cloud.

A comprehensive guide to rolling out Datadog to monitor infrastructure and applications running in both cloud and datacenter environments

- Key Features
- Learn Datadog to proactively monitor your infrastructure and cloud services
- Use Datadog as a platform for aggregating monitoring efforts in your organization
- Leverage Datadog's alerting service to implement on-call and site reliability engineering (SRE) processes

Book Description Datadog is an essential cloud monitoring and operational analytics tool which enables the monitoring of servers, virtual machines, containers, databases, third-party tools, and application services. IT and DevOps teams can easily leverage Datadog to monitor infrastructure and cloud services, and this book will show you how. The book starts by describing basic monitoring concepts and types of monitoring that are rolled out in a large-scale IT production engineering environment. Moving on, the book covers how standard monitoring features are implemented on the Datadog platform and how they can be rolled out in a real-world production environment. As you advance, you'll discover how Datadog is integrated with popular software components that are used to build cloud platforms. The book also provides details on how to use monitoring standards such as Java Management Extensions (JMX) and StatsD to extend the Datadog platform. Finally, you'll get to grips with monitoring fundamentals, learn how monitoring can be rolled out using Datadog proactively, and find out how to extend and customize the Datadog platform. By the end of this Datadog book, you will

have gained the skills needed to monitor your cloud infrastructure and the software applications running on it using Datadog. What you will learn

- Understand monitoring fundamentals, including metrics, monitors, alerts, and thresholds
- Implement core monitoring requirements using Datadog features
- Explore Datadog's integration with cloud platforms and tools
- Extend Datadog using custom scripting and standards such as JMX and StatsD
- Discover how proactive monitoring can be rolled out using various Datadog features
- Understand how Datadog can be used to monitor microservices in both Docker and Kubernetes environments
- Get to grips with advanced Datadog features such as APM and Security Monitoring

Who this book is for: This book is for DevOps engineers, site reliability engineers (SREs), IT Production engineers, software developers and architects, cloud engineers, system administrators, and anyone looking to monitor and visualize their infrastructure and applications with Datadog. Basic working knowledge of cloud and infrastructure is useful. Working experience of Linux distribution and some scripting knowledge is required to fully take advantage of the material provided in the book.

Get Started Fast with Apache Hadoop® 2, YARN, and Today's Hadoop Ecosystem

With Hadoop 2.x and YARN, Hadoop moves beyond MapReduce to become practical for virtually any type of data processing. Hadoop 2.x and the Data Lake concept represent a radical shift away from conventional approaches to data usage and storage. Hadoop 2.x installations offer unmatched scalability and breakthrough

extensibility that supports new and existing Big Data analytics processing methods and models. Hadoop® 2 Quick-Start Guide is the first easy, accessible guide to Apache Hadoop 2.x, YARN, and the modern Hadoop ecosystem. Building on his unsurpassed experience teaching Hadoop and Big Data, author Douglas Eadline covers all the basics you need to know to install and use Hadoop 2 on personal computers or servers, and to navigate the powerful technologies that complement it. Eadline concisely introduces and explains every key Hadoop 2 concept, tool, and service, illustrating each with a simple “beginning-to-end” example and identifying trustworthy, up-to-date resources for learning more. This guide is ideal if you want to learn about Hadoop 2 without getting mired in technical details. Douglas Eadline will bring you up to speed quickly, whether you’re a user, admin, devops specialist, programmer, architect, analyst, or data scientist. Coverage includes understanding what Hadoop 2 and YARN do, and how they improve on Hadoop 1 with MapReduce; understanding Hadoop-based Data Lakes versus RDBMS Data Warehouses; installing Hadoop 2 and core services on Linux machines, virtualized sandboxes, or clusters; exploring the Hadoop Distributed File System (HDFS); understanding the essentials of MapReduce and YARN application programming; simplifying programming and data movement with Apache Pig, Hive, Sqoop, Flume, Oozie, and HBase; observing application progress, controlling jobs, and managing workflows; managing Hadoop efficiently with Apache Ambari—including recipes for HDFS to NFSv3 gateway, HDFS snapshots, and YARN

configuration Learning basic Hadoop 2 troubleshooting, and installing Apache Hue and Apache Spark

Learn how to quickly generate business intelligence, insights and create interactive dashboards for digital storytelling through various data sources with Redash Key Features Learn the best use of visualizations to build powerful interactive dashboards Create and share visualizations and data in your organization Work with different complexities of data from different data sources Book Description Data exploration and visualization is vital to Business Intelligence, the backbone of almost every enterprise or organization. Redash is a querying and visualization tool developed to simplify how marketing and business development departments are exposed to data. If you want to learn to create interactive dashboards with Redash, explore different visualizations, and share the insights with your peers, then this is the ideal book for you. The book starts with essential Business Intelligence concepts that are at the heart of data visualizations. You will learn how to find your way round Redash and its rich array of data visualization options for building interactive dashboards. You will learn how to create data storytelling and share these with peers. You will see how to connect to different data sources to process complex data, and then visualize this data to reveal valuable insights. By the end of this book, you will be confident with the Redash dashboarding tool to provide insight and communicate data storytelling. What you will learn Install Redash and troubleshoot installation errors Manage user roles and permissions Fetch data from

various data sources Visualize and present data with Redash Create active alerts based on your data Understand Redash administration and customization Export, share and recount stories with Redash visualizations Interact programmatically with Redash through the Redash API Who this book is for This book is intended for Data Analysts, BI professionals and Data Developers, but can be useful to anyone who has a basic knowledge of SQL and a creative mind. Familiarity with basic BI concepts will be helpful, but no knowledge of Redash is required.

Master Oracle Fusion Applications Design and Personalization Deliver highly adaptable business applications that bolster productivity and drive informed decision-making. Oracle Fusion Applications Development and Extensibility Handbook contains best practices, real-world case studies, and technical deep dives. Discover how to manage design- and run-time customizations, extend existing UIs and build new ones, secure your applications, and integrate with other systems. This Oracle Press guide offers complete coverage of the latest cloud and SOA-based features. Explore Oracle Fusion Applications components and architecture Plan, develop, debug, and deploy customizations Extend out-of-the-box functionality with Oracle JDeveloper Modify web applications using Oracle Composer Incorporate Oracle SOA Suite 11g composites Validate code through sandboxes and test environments Secure data using authorization, authentication, and encryption Design and distribute personalized BI reports Automate jobs with Oracle Enterprise Scheduler Change appearance and

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branding of your applications with the Oracle ADF Skin Editor Extend and customize CRM with Application Composer

Follow this guide that explains Oracle's Infrastructure as a Service (IaaS) cloud solution and the tools and capabilities that can help you increase business value, productivity, and performance. You will learn about economic advantages as well as elasticity, unlimited storage, and on-demand capacity computing. Oracle IaaS: Quick Reference Guide to Cloud Solutions covers Oracle's service structure as well as its cloud service offerings and cloud models. It provides detailed guidance regarding the advantages of the specific models, as well as how to create and manage each service. This book contains many real-world case studies, including how to build and configure compute resources to fit the needs of your specific organization. IaaS product offerings covered in this book include: Oracle Compute Cloud Oracle Storage Cloud Oracle Ravello Cloud Oracle Container Cloud What You'll Learn Understand Oracle IaaS products and Oracle Cloud Compare existing Oracle cloud products Discover IaaS new features Master Oracle Cloud Architecture Who This Book Is For Oracle database administrators, Oracle developers, and other developers looking to build cloud-based applications.

Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has been designed to teach you everything you need to know to successfully create

and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2 Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.

SQL (Structured Query Language), the heart of a relational database management system, is the language used to query the database, to create new tables in the database, to update and delete fields, and to set access privileges. Aimed at everyone who needs to access an Oracle database using SQL, including developers, DBAs, designers, and managers, this book delivers all the information they need to know about standard SQL, and Oracle's extensions to it.

Build and deploy an attractive, user-friendly web or mobile application in one day or less using Oracle's new, low-code development tool: Visual Builder Cloud Service. Today's IT world is fast-paced, and the ability to rapidly deliver running code is the most crucial and sought-after skill a developer can have. Oracle has brought together their enterprise experience, advanced usability knowledge, and their best cloud engineering to produce an innovative platform giving developers unprecedented productivity. You will learn how to use all aspects of Oracle Visual Builder Cloud Service to build web or mobile applications. Using the fully browser-based development environment, you'll gain experience with all the modern user-interface components that

the tool offers for a visual, user-interface-driven, development approach. You'll also see how to use the integrated data management capabilities and existing REST data services to store your data, and learn how to easily transfer applications to a test/staging environment and later to production, while continuing to develop the next version in the development environment. What You'll Learn Build great-looking web and mobile applications in a browser-based, visual design environment Define custom business logic in the visual logic editor or with JavaScript Manage multiple concurrent application versions from development through staging and production Define business objects with validation logic for application-specific data Communicate with, and draw data from, existing REST web services Use Visual Builder Cloud Service to expand Oracle SaaS solutions Who This Book Is For Developers at all expertise levels as well as business professionals and UX designers with an interest in using IT to quickly solve simple business problems. Because this tool is based on a modern low-code approach, no prior programming experience is necessary to benefit from the book.

A handy reference guide explaining core concepts of Oracle HCM Cloud Application. All the worked-out examples have been performed in a SaaS Deployment but very well applies for an On-Premise or Hybrid Deployment Model too. Topics include Making changes to Assignment Data using HDL Files in Oracle Fusion HCM Cloud Application, Enabling error notification feature in Oracle HCM Cloud Application, Reusing Data Elements of One Data Set Into Another Data Set In Oracle Fusion Cloud SQL Query

Data Source based Data Model, Using Expression Variable Functionality in Oracle Fusion Cloud BI Data Model, Displaying Meaningful Error Messages In a Oracle Fusion Cloud BI Report, Creating Reconciliation Report In Oracle ERP Cloud Application, Correct/Edit Legal Employer Name In Oracle Fusion HCM Cloud Application, Creating a Dynamic Fast Formula Based Extract Rule Attribute for an HCM Extract, Smart Classification of Extract Record Instance Using Identifier Attribute In Oracle Fusion HCM Cloud Application, Developing Low-Code/No Code Reports in Oracle ERP Cloud Application, Deriving Extract Attribute Value Using Data Elements And Extract Input parameter, Passing Date Type Parameter from an ESS Job to a BI SQL Data Model in Oracle Cloud Applications, Automatic User Account Creation In Oracle ERP Cloud Application, Performing Mathematical Calculations on an Extract Rule Attribute, Creating a Waterfall Graph In Oracle ERP Cloud Application, Creating a Performance Tile Report in Oracle ERP Cloud Application, Identifying Table Name In Oracle ERP Cloud Application, Displaying Warning Message On Absence Recording Page In Oracle Fusion HCM Cloud Application, An Introduction of Line Manager Dashboard In Oracle Fusion HCM Cloud Application, Debugging Fast Formula in Oracle ERP Cloud Application, Using GUID and SourceKeys to Edit Data Fields for a Record created from Application UI in Oracle Fusion HCM Cloud Application, Creating HCM Approval Transaction Detail Report in Oracle HCM Cloud, Generating EText Output From HCM Extracts In Oracle Fusion HCM Cloud Application, An Overview of "My CV" Report - A

Delivered Self Service Report in Oracle HCM Cloud, An Overview of User Experience Related Changes Introduced in Release 13 Update 18B, Using Substring Function In OTBI Analysis In Oracle ERP Cloud Application

Introduces the topic of cloud computing with an emphasis on the trustworthiness of cloud computing systems and services This book describes the scientific basis of cloud computing, explaining the ideas, principles, and architectures of cloud computing as well the different types of clouds and the services they provide. The text reviews several cloud computing platforms, including Microsoft Azure, Amazon, Oracle, Google, HP, IBM, Salesforce, and Kaavo. The author addresses the problem of trustworthiness in cloud computing and provides methods to improve the security and privacy of cloud applications. The end-of-chapter exercises and supplementary material on the book's companion website will allow readers to grasp the introductory and advanced level concepts of cloud computing. Examines cloud computing platforms such as Microsoft Azure, Amazon, Oracle, Google, HP, IBM, Salesforce, and Kaavo Analyzes the use of aspect-oriented programming (AOP) for refactoring cloud services and improving the security and privacy of cloud applications Contains practical examples of cloud computing, test questions, and end-of-chapter exercises Includes presentations, examples of cloud projects and other teaching resources at the author's website (<http://www.vladimirsafonov.org/cloud>) Trustworthy Cloud Computing is written for advanced undergraduate and graduate students in computer science, data science,

and computer engineering as well as software engineers, system architects, system managers, and software developers new to cloud computing.

This book highlights the practical aspects of using Oracle Essbase and Oracle Business Intelligence Enterprise Edition (OBIEE) as a comprehensive BI solution. It explains the key steps involved in Oracle Essbase and OBIEE implementations. Using case studies, the book covers Oracle Essbase for analytical BI and data integration, using OBIEE for operational BI including presentation services and BI Publisher for real-time reporting services, Self-service BI— in terms of VLDB, scalability, high performance, stability, long-lasting and ease of use that saves time, effort, and costs, while maximizing ROI.

Microsoft Power BI is a cloud-based service that helps you easily visualize and share insights from your organization's data. This book will get you started with Business Intelligence using the Power BI tool, covering essential concepts like installation, building basic dashboards and visualizations to make your data come to life.

Develop proficiency in AWS technologies and validate your skills by becoming an AWS Certified Cloud Practitioner Key Features Develop the skills to design highly available and fault-tolerant solutions in the cloud Learn how to adopt best-practice security measures in your cloud applications Achieve credibility through industry-recognized AWS Cloud Practitioner certification Book Description Amazon Web Services is the largest cloud computing service provider in the world. Its foundational certification, AWS

Certified Cloud Practitioner (CLF-C01), is the first step to fast-tracking your career in cloud computing. This certification will add value even to those in non-IT roles, including professionals from sales, legal, and finance who may be working with cloud computing or AWS projects. If you are a seasoned IT professional, this certification will make it easier for you to prepare for more technical certifications to progress up the AWS ladder and improve your career prospects. The book is divided into four parts. The first part focuses on the fundamentals of cloud computing and the AWS global infrastructure. The second part examines key AWS technology services, including compute, network, storage, and database services. The third part covers AWS security, the shared responsibility model, and several security tools. In the final part, you'll study the fundamentals of cloud economics and AWS pricing models and billing practices. Complete with exercises that highlight best practices for designing solutions, detailed use cases for each of the AWS services, quizzes, and two complete practice tests, this CLF-C01 exam study guide will help you gain the knowledge and hands-on experience necessary to ace the AWS Certified Cloud Practitioner exam. What you will learn

- Create an AWS account to access AWS cloud services in a secure and isolated environment
- Understand identity and access management (IAM), encryption, and multifactor authentication (MFA) protection
- Configure multifactor authentication for your IAM accounts
- Configure AWS services such as EC2, ECS, Lambda, VPCs, and Route53
- Explore various storage and database services such as S3, EBS, and Amazon

RDS Study the fundamentals of modern application design to shift from a monolithic to microservices architecture Design highly available solutions with decoupling ingrained in your design architecture Who this book is for If you're looking to advance your career and gain expertise in cloud computing, with particular focus on the AWS platform, this book is for you. This guide will help you ace the AWS Certified Cloud Practitioner Certification exam, enabling you to embark on a rewarding career in cloud computing. No previous IT experience is essential to get started with this book, since it covers core IT fundamentals from the ground up.

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-

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on advice on tackling the most common challenges • Written by a team of Oracle professionals with extensive VM experience

Get up and running with Oracle's premium cloud blockchain services and build distributed blockchain apps with ease

Key Features Discover Hyperledger Fabric and its components, features, qualifiers, and architecture Get familiar with the Oracle Blockchain Platform and its unique features Build Hyperledger Fabric-based business networks with Oracle's premium blockchain cloud service

Book Description Hyperledger Fabric empowers enterprises to scale out in an unprecedented way, allowing organizations to build and manage blockchain business networks. This quick start guide systematically takes you through distributed ledger technology, blockchain, and Hyperledger Fabric while also helping you understand the significance of Blockchain-as-a-Service (BaaS). The book starts by explaining the blockchain and Hyperledger Fabric architectures. You'll then get to grips with the comprehensive five-step design strategy - explore, engage, experiment, experience, and influence. Next, you'll cover permissioned distributed autonomous organizations (pDAOs), along with the equation to quantify a blockchain solution for a given use case. As you progress, you'll learn how to model your blockchain business network by defining its assets, participants, transactions, and permissions with the help of examples. In the concluding chapters, you'll build on your knowledge as you explore Oracle Blockchain Platform (OBP) in depth and learn how to translate network topology on OBP. By the end of this book, you will be well-versed with OBP and have developed the skills required for infrastructure setup, access control, adding chaincode to a business network, and exposing chaincode to a DApp using REST configuration. What you will learn

Model your blockchain-based business network by defining

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its components, transactions, integrations, and infrastructure through use cases Develop, deploy, and test chaincode using shim and REST, and integrate it with client apps using SDK, REST, and events Explore accounting, blockchain, hyperledger fabric, and its components, features, qualifiers, architecture and structure Understand the importance of Blockchain-as-a-Service (BaaS) Experiment Hyperledger Fabric and delve into the underlying technology Set up a consortium network, nodes, channels, and privacy, and learn how to translate network topology on OBP Who this book is for If you are a blockchain developer, blockchain architect or just a cloud developer looking to get hands-on with Oracle Blockchain Cloud Service, then this book is for you. Some familiarity with the basic concepts of blockchain will be helpful to get the most out of this book

A handy reference guide explaining core concepts of Oracle HCM Cloud Application. All the worked out examples have been performed in a SaaS Deployment but very well applies for an On-Premise or Hybrid Deployment Model too. Topics include HCM Data Loader, HCM Spreadsheet Data Loader, HCM Extracts, BI Publisher Reports, OTBI Analysis, Web-Services, Developer Connect, Functional Setup Manager, Personalization, Customization, Absence Management, Fast Formulas, Scheduled Processes, Value-Sets, Profile Options, Lookups, Approval Workflows, Notifications, Rest API

As Cloud Computing has evolved and matured, it has sparked growing interest from the enterprise market where economic pressures are challenging traditional IT operations. Many companies and government agencies are being faced with growing IT costs that originate from multiple sources such as legacy systems, software licensing, power consumption, and operating overhead. Cloud Computing, either through Private or Public cloud initiatives, is

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focused on addressing these issues by reducing costs through better standardization, higher utilization, greater agility, and faster responsiveness of IT services. Oracle is heavily invested in cloud initiatives and is looking to be one of the leaders in the magic quadrant. Oracle is aiming at contending for the AWS market share just like Microsoft Azure was able to obtain. Oracle has planted data centers in strategic locations all over the world for their cloud infrastructure. Oracle has strong offerings in SaaS, PaaS and IaaS. In the SaaS space, Oracle already had a strong presence. Even though Oracle continues to invest in their SaaS environment, Oracle has invested significantly in the past couple of years to capture more of the market in the PaaS and IaaS space. This book will address Oracle Cloud fundamentals, Storage Cloud, Database Cloud, and Oracle Database Backup Cloud, as a quick go-to reference guide, as seen by industry experts

Planning, executing and controlling the implementation process for Oracle E-Business Suite is no easy task, but done right can do wonders for your business. Anant Porwal, a certified master in Oracle Financials with twenty years of experience helping businesses implement the suite of applications, provides a comprehensive blueprint to get the most value out of the product with this implementation guide. The first section highlights high-level features of core Oracle E-Business Suite applications, including various technology pieces. It also explains how the applications allow for flexibility in accounting and in processing transactions. The second section explores how to implement the suite of applications from identifying the goals you want to achieve, selecting and building an implementation team, designing an implementation process, documenting and tracking progress, and taking the necessary steps to ensure implementation is a success. A Practical Guide to Implement Oracle E-Business Suite is must

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read for all members of companies planning Oracle implementation including stakeholders, project managers, team members and consultants alike, it provides insight into the intricacies and efforts for implementing very complex package, Oracle E-Business Suite.

This is a reference book for Architects. This book can be helpful for those developers who wants to increase breadth of knowledge about tools and technology. If you are planning for career advancement and you are interviewing for cloud architect, this book can also be used for interview preparation purpose. You can go through this book before your interview every time, so that you will remember all the concepts before interview. As the technology is evolving very fast, new tools and technologies are coming every day. This book covers fundamental of architecting or re-architecting of the application. This book also makes you aware and provides details about tools and technology available in cloud. This book does not over explain any concepts, keeping in mind that you can complete your reading in less time. With this book, you will get lot of information in less reading time.

Migrating to the Cloud: Oracle Client/Server Modernization is a reference guide for migrating client/server applications to the Oracle cloud. Organized into 14 chapters, the book offers tips on planning, determining effort and budget, designing the Oracle cloud infrastructure, implementing the migration, and moving the Oracle cloud environment into production. Aside from Oracle application and database cloud offerings, the book looks at various tools and technologies that can facilitate migration to the cloud. It includes useful code snippets and step-by-step instructions in database migration, along with four case studies that highlight service enablement of DOS-based applications, Sybase to Oracle, PowerBuilder to APEX, and Forms to Java EE. Finally, it considers current challenges and future trends in cloud computing and

client/server migration. This book will be useful to IT professionals, such as developers, architects, database administrators, IT project managers, and executives, in developing migration strategies and best practices, as well as finding appropriate solutions. Focuses on Oracle architecture, Middleware and COTS business applications Explains the tools and technologies necessary for your legacy migration Gives useful information about various strategies, migration methodologies and efficient plans for executing migration projects Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified Cloud Practitioner Study Guide to give you the same experience working in these labs as you prepare for the Certified Cloud Practitioner Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Cloud Practitioner. The AWS Certified Cloud Practitioner Study Guide: Exam CLF-C01 provides a solid introduction to this industry-leading technology, relied upon by thousands of businesses across the globe, as well as the resources you need to prove your knowledge in the AWS Certification Exam. This guide offers complete and thorough treatment of all topics included in the exam, beginning with a discussion of what the AWS cloud is and its basic global infrastructure and architectural principles. Other chapters dive into the technical, exploring core characteristics of deploying and operating in the AWS Cloud Platform, as well as basic security and compliance aspects and the shared security model. In addition, the text identifies sources of documentation or technical assistance, such as white papers or support tickets. To complete their coverage, the authors discuss the AWS Cloud value proposition and define billing, account management, and pricing models. This includes describing the key

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services AWS can provide and their common use cases (e.g., compute, analytics, etc.). Distinguish yourself as an expert by obtaining a highly desirable certification in a widely used platform. Hone your skills and gain new insights on AWS whether you work in a technical, managerial, sales, purchasing, or financial field. Fully prepare for this new exam using expert content and real-world knowledge, key exam essentials, chapter review questions, and other textual resources. Benefit from access to the Sybex online interactive learning environment and test bank, including chapter tests, practice exams, key term glossary, and electronic flashcards. XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified Cloud Practitioner Labs with 8 unique lab modules based on the book. The AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

Understand everything you need to know about Oracle's Integration Cloud Service and how to utilize it optimally for your business. About This Book The only guide to Integration Cloud Service in the market. Focused on practical action to deliver business value. A professional's guide to an expensive product, providing comprehensive training, and showing how to extract real business value from the product. Who This Book Is For This book is ideal for any IT professional working with ICS, any Oracle application or cloud solution developer or analyst who wants

to work with ICS to deliver business value. What You Will Learn Use ICS to integrate different systems together without needing to be a developer Gain understanding of what a number of technologies and standards provide – without needing to understand the fine details of those standards and technologies Understand the use of connectors that Oracle provide from technology based connections such as file and database connections to SaaS solutions ranging from Salesforce to Twitter Enrich data and extend SaaS integration to route to different instances Utilize a number of tools to help develop and check that your integrations work before connecting to live systems Introduce and explain integration concepts so that the integrations created are maintainable and sustainable for the longer term Provide details on how to keep up to date with the features that Oracle and partners provide in the future Get special connections developed to work with ICS In Detail Businesses are built on data, and applications that access that data. In modern businesses the same cloud-based data stores and applications might be accessed by hundreds of different applications from thousands of different devices via APIs. To make this happen, APIs must be wired together i.e. integrated. Oracle Integration Cloud Service provides a complete method for integrating enterprise applications in the cloud. Integration Cloud Service (ICS) provides a cloud hosted means to integrate

systems together using a graphical means to define and represent integrations. This book will be a comprehensive, hands-on guide to building successful, high-availability integrations on ICS. This book sets out to demonstrate how ICS can be used to effectively implement integrations that work both in the cloud and on premise. It starts with a fast, practical introduction to what ICS can do for your business and then shows how ICS allows you to develop integrations not only quickly but in a way that means they are maintainable and extensible. Gradually it moves into more advanced integrations, showing how to achieve sophisticated results with ICS and work with external applications. Finally the book shows you how to monitor cloud apps and go beyond ICS to build even more powerful integrated applications. By the end of the book, you will have the knowledge on how to use ICS to solve your own integration needs and harness the technologies in a maintainable and sustainable manner. Style and approach This book will take a pragmatic approach and will be a business-focused guide to delivering business value with ICS.

Master Oracle Fusion Applications Administer a fully integrated application management framework across your enterprise using the detailed information contained in this Oracle Press guide. Managing Oracle Fusion Applications first explains key principles and then logically groups utilities into practical, ready-to-

use toolboxes. Learn how to build lifecycle models, deliver dynamic business intelligence, optimize performance, mitigate risk, and integrate the latest Web 2.0 and social networking features. Compliance, security, and testing techniques are also covered in this comprehensive resource. Understand the components and architecture of Oracle Fusion Applications Plan, develop, and implement an effective application management plan Resolve reliability issues with Oracle Enterprise Manager Configure and deploy applications from the Oracle WebLogic Server Administration Console Adjust run-time parameters using Java Management Extensions and MBeans Generate and distribute reports using Oracle Business Intelligence 11g Establish solid user authentication, access control, and data protection policies Work with Oracle Fusion Governance, Risk, and Compliance Intelligence

GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security. Perform zero downtime data migration to on-premise or public cloud with GoldenGate's feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to

successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

Private clouds allow for managing multiple databases under one roof, avoiding unnecessary resource management. Private cloud solutions can be applied in sectors such as healthcare, retail, and software. The Introduction to Private Cloud using Oracle Exadata and Oracle Database will explore the general architecture of private cloud databases with a focus on Oracle's Exadata database machine. The book describes the private cloud using fundamental-level Exadata and database. Exadata has been Oracle's pioneer product for almost a decade. In the last few years, Oracle has positioned Exadata for customers to consume as a cloud service. This book will provide a timely introduction to Exadata for current and potential Oracle customers and other IT professionals. Oracle IaaS Quick Reference Guide to Cloud Solutions

Use this fast-paced and comprehensive guide to build cloud-based solutions on Oracle Cloud Infrastructure. You will understand cloud infrastructure, and learn how to launch new applications and move existing applications to Oracle Cloud.

Emerging trends in software architecture are covered such as autonomous platforms, infrastructure as code, containerized applications, cloud-based container orchestration with managed Kubernetes, and running serverless workloads using open-source tools. Practical examples are provided. This book teaches you how to self-provision the cloud resources you require to run and scale your custom cloud-based applications using a convenient web console and programmable APIs, and you will learn how to manage your infrastructure as code with Terraform. You will be able to plan, design, implement, deploy, run, and monitor your production-grade and fault-tolerant cloud software solutions in Oracle's data centers across the world, paying only for the resources you actually use. Oracle Cloud Infrastructure is part of Oracle's new generation cloud that delivers a complete and well-integrated set of Infrastructure as a Service (IaaS) capabilities (compute, storage, networking), edge services (DNS, web application firewall), and Platform as a Service (PaaS) capabilities (such as Oracle Autonomous Database which supports both transactional and analytical workloads, the certified and fully managed Oracle Kubernetes Engine, and a serverless platform based on an open-source Fn Project). Oracle Autonomous Database which supports both transactional and analytical workloads), and Oracle's certified and managed Container Engine for Kubernetes. What You Will

Learn Build software solutions on Oracle Cloud Automate cloud infrastructure with CLI and Terraform Follow best practices for architecting on Oracle Cloud Employ Oracle Autonomous Database to obtain valuable data insights Run containerized applications on Oracle's Container Engine for Kubernetes Understand the emerging Cloud Native ecosystem Who This Book Is For Cloud architects, developers, DevOps engineers, and technology students and others who want to learn how to build cloud-based systems on Oracle Cloud Infrastructure (OCI) leveraging a broad range of OCI Infrastructure as a Service (IAAS) capabilities, Oracle Autonomous Database, and Oracle's Container Engine for Kubernetes. Readers should have a working knowledge of Linux, exposure to programming, and a basic understanding of networking concepts. All exercises in the book can be done at no cost with a 30-day Oracle Cloud trial. Apache Spark is a flexible in-memory framework that allows processing of both batch and real-time data. Its unified engine has made it quite popular for big data use cases. This book will help you to quickly get started with Apache Spark 2.0 and write efficient big data applications for a variety of use cases. Get familiar with writing programs in the trending new systems programming language that brings together the powerful performance of low-level languages with the advanced features like thread safety in multi-threaded code Key

Features Learn the semantics of Rust, which can be significantly different from other programming languages Understand clearly how to work with the Rust compiler which strictly enforces rules that may not be obvious Examples and insights beyond the Rust documentation Book Description Rust is an emerging programming language applicable to areas such as embedded programming, network programming, system programming, and web development. This book will take you from the basics of Rust to a point where your code compiles and does what you intend it to do! This book starts with an introduction to Rust and how to get set for programming, including the rustup and cargo tools for managing a Rust installation and development workflow. Then you'll learn about the fundamentals of structuring a Rust program, such as functions, mutability, data structures, implementing behavior for types, and many more. You will also learn about concepts that Rust handles differently from most other languages. After understanding the Basics of Rust programming, you will learn about the core ideas, such as variable ownership, scope, lifetime, and borrowing. After these key ideas, you will explore making decisions in Rust based on data types by learning about match and if let expressions. After that, you'll work with different data types in Rust, and learn about memory management and smart pointers. What you will learn Install Rust and write your first program with it

Understand ownership in Rust Handle different data types Make decisions by pattern matching Use smart pointers Use generic types and type specialization Write code that works with many data types Tap into the standard library Who this book is for This book is for people who are new to Rust, either as their first programming language or coming to it from somewhere else. Familiarity with computer programming in any other language will be helpful in getting the best out of this book.

Quickly get up to speed with Oracle's Application Development Framework (ADF). Rapidly build modern, user-friendly applications that will be easy to re-use, expand, and maintain. Oracle ADF Survival Guide covers the latest 12c version and explains all the important concepts and parts, including ADF Faces, ADF Task Flows, ADF Business Components, ADF Skins, the new Alta UI, and how to implement business logic in all layers of the application. Organizations with existing investments in Oracle database and Oracle Forms applications will be able to leverage Oracle's best practice for application development in moving those applications to the ADF framework. The book: Explains all parts of the ADF stack Shows how to integrate with databases and web services Demonstrates the best practice for ADF enterprise architecture What You Will Learn Rapidly build great-looking, user-friendly screens Build page flows visually for improved

communication with business users Easily connect your user interface to databases and other back-end systems Leverage the best practice for productive team development Establish a solid enterprise architecture for maximum reuse and maintainability Automate your build and deployment process Who This Book Is For Experienced developers who want to rapidly become productive with Oracle's Application Development Framework (ADF) 12c. It is for Oracle Forms and database developers working for organizations who have followed Oracle's strategic direction to ADF, as well as for experienced Java developers who want to learn Oracle's highly-productive, JSF framework.

An all-in-one study guide prepares you for the updated Oracle Certified Associate certification It's been nearly six years since Oracle updated its cornerstonedatabase software, making the demand for a comprehensive studyguide for the OCA 12c certification a top priority. This resourceanswers that demand. Packed with invaluable insight, chapter reviewquestions, bonus practice exams, hundreds of electronic flashcards,and a searchable glossary of terms, this study guide prepares youfor the challenging Oracle certification exams. Provides you with a solid understanding of restricting andsorting data Walks you through using conversion functions and conditionalexpressions Addresses displaying data from multiple tables, manipulatingdata, database maintenance,

and database backups and recovery Explores the Oracle database architecture and discusses preparing the database environment, creating an Oracle database, and managing the Oracle instance Focuses on administering and implementing user security This must-have study guide thoroughly prepares you to take the dramatically updated Oracle 12c OCA exams.

Develop enterprise architect skills by building secure, highly available, and cost-effective solutions with Oracle Functions, Terraform, and the Oracle Cloud VMware Solution Key Features Explore Oracle's Gen 2.0 Cloud infrastructure and its high-performance computing capabilities Understand hybrid cloud capabilities and learn to migrate apps from on-premises VMware clusters to OCI Learn to create Kubernetes clusters and run containerized applications on Oracle's Container Engine Book Description Oracle Cloud Infrastructure (OCI) is a set of complementary cloud services that enables you to build and run a wide range of applications and services in a highly available hosted environment. This book is a fast-paced practical guide that will help you develop the capabilities to leverage OCI services and effectively manage your cloud infrastructure. Oracle Cloud Infrastructure for Solutions Architects begins by helping you get to grips with the fundamentals of Oracle Cloud Infrastructure, and moves on to cover the building blocks of the layers of Infrastructure as a Service (IaaS), such as Identity

and Access Management (IAM), compute, storage, network, and database. As you advance, you'll delve into the development aspects of OCI, where you'll learn to build cloud-native applications and perform operations on OCI resources as well as use the CLI, API, and SDK. Finally, you'll explore the capabilities of building an Oracle hybrid cloud infrastructure. By the end of this book, you'll have learned how to leverage the OCI and gained a solid understanding of the persona of an architect as well as a developer's perspective. What you will learn

Become well-versed with the building blocks of OCI Gen 2.0 Cloud Control access to your cloud resources using IAM components Manage and operate various compute instances Tune and configure various storage options for your apps Develop applications on OCI using OCI Registry (OCIR), Cloud Shell, OCI Container Engine for Kubernetes (OKE), and Service Mesh Discover ways to use object-relational mapping (ORM) to create infrastructure blocks using Terraform code

Who this book is for This book is for cloud architects, cloud developers, and DevSecOps engineers who want to learn how to architect and develop on Oracle Cloud Infrastructure by leveraging a wide range of OCI IaaS capabilities. Working knowledge of Linux, exposure to basic programming, and a basic understanding of networking concepts are needed to get the most out of this book.

Cloud computing has caused a marketing fog, confusing business executives seeking to understand the technology's potential applications and business benefits. A Quick-Start Guide to Cloud Computing cuts through the industry hype and provides non-technical explanations about what it is and how it can improve your business. With case studies from large and small business, it shows how enabling a remote workforce and sharing resources can reduce your organisation's carbon footprint. It describes: the benefits of cloud computing; how to choose the right supplier and technologies for your particular business; key security issues and the perils and pitfalls to avoid. This Quick Start Guide puts business needs before technology, enabling you to make confident decisions about IT strategy, make the right choices for your business and reject 'solutions' that fix problems you don't have.

IBM® is a Platinum level Partner in the Oracle Partner Network, which delivers the proven combination of industry insight, extensive real-world Oracle applications experience, deep technical skills, and high-performance servers and storage to create a complete business solution with a defined return on investment. From application selection, purchase, and implementation to upgrade and maintenance, we help organizations reduce the total cost of ownership and the complexity of managing their current and future applications environment

while building a solid base for business growth. Oracle Database running on Linux is available for deployment on IBM LinuxONE by using Redhat Enterprise Linux (RHEL) or SUSE Linux Enterprise Server (SLES). This enterprise-grade solution is designed to add value to Oracle Database solutions. This IBM Redpaper® publication focuses on accepted good practices for installing and getting started by using Oracle Database, which provides you with an environment that is optimized for performance, scalability, flexibility, and ease-of-management.

A handy reference guide explaining core concepts of Oracle HCM Cloud Application. All the worked-out examples have been performed in a SaaS Deployment but very well applies for an On-Premise or Hybrid Deployment Model too. Topics covered includes Fast Formula Examples, Setting Up Banner in Oracle Cloud Application, Schedule Trigger, Agents, Dependent Parameters, Using SET Operators in OTBI Analysis, Overview of Approval Rules, Creating Comma Separated Value Reports, Password Protected PDF Reports, Creating E-Text Templates, Conditional Formatting, Creating Notification Template, Simulate Navigator, Creating Custom Payroll Flow Patterns, Creating Custom Independent Value Set, Role Provisioning and De-Provisioning and much more..

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