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Oracle Cloud Infrastructure for Solutions Architects Practical Oracle Cloud Infrastructure Oracle Cloud Infrastructure Study Guide - Infrastructure As Code Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) OCI Foundations 2021 Associate Certification Oracle Autonomous Database in Enterprise Architecture Oracle Cloud Infrastructure Oracle Cloud Infrastructure Architect Associate Study Guide MySQL Database Service Revealed Oracle Cloud Infrastructure Operations Associate Certification Study Guide Oracle Cloud Infrastructure Foundations Associate Study Guide Implementing Oracle Integration Cloud Service Oracle Cloud Infrastructure□□□□ Oracle Cloud□□□□□□ □□□□□□□□□□ Extending Oracle Application Express with Oracle Cloud Features Oracle Certified Foundation Associate : Study Guide with Practice Questions and Labs - First Edition - 2021 Introducing Micronaut Getting Started with Oracle Cloud Free Tier Cloud Native The Terraform Book T Bytes Hybrid Cloud Infrastructure Cloud Computing For Dummies Oracle API Management 12c Implementation Architecting the Industrial Internet Cloud Foundry: The Definitive Guide

The Nine Principles of Agile Planning Big Data, Cloud Computing and IoT Oracle Cloud Infrastructure □□□□ □□□□□□□□□□ Oracle SOA Suite 12c Handbook Terraform Cookbook Supercomputing Frontiers Remaining Relevant in Your Tech Career Mastering AWS Lambda Modern Oracle Enterprise Architecture Oracle High Availability, Disaster Recovery, and Cloud Services Understanding Oracle APEX 20 Application Development Building a Future-Proof Cloud Infrastructure Effortless App Development with Oracle Visual Builder Oracle Database Exadata Cloud Service: A Beginner's Guide Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) Rising Threats in Expert Applications and Solutions

A hands-on, introductory book about managing infrastructure with Terraform. Start small and then build on what you learn to scale up to complex infrastructure. Written for both developers and sysadmins. Focuses on how to build infrastructure and applications with Terraform. The book contains: Chapter 1: An Introduction to Terraform Chapter 2: Installing Terraform Chapter 3: Building our first application Chapter 4: Provisioning and Terraform Chapter 5: Collaborating with Terraform Chapter 6: Building a multi-environment architecture Chapter 7: Infrastructure testing Updated for Terraform 0.12! How can Cloud Foundry help you develop and deploy business-critical applications and tasks with velocity? This practical guide demonstrates how this open source, cloud-native application platform not only significantly reduces the develop-to-deploy cycle time, but also raises the value line for application operators by

changing the way applications and supporting services are deployed and run. Learn how Cloud Foundry can help you improve your product velocity by handling many of essential tasks required to run applications in production. Author Duncan Winn shows DevOps and operations teams how to configure and run Cloud Foundry at scale. You'll examine Cloud Foundry's technical concepts—including how various platform components interrelate—and learn how to choose your underlying infrastructure, define the networking architecture, and establish resiliency requirements. This book covers: Cloud-native concepts that make the app build, test, deploy, and scale faster How to deploy Cloud Foundry and the BOSH release engineering toolchain Concepts and components of Cloud Foundry's runtime architecture Cloud Foundry's routing mechanisms and capabilities The platform's approach to container tooling and orchestration BOSH concepts, deployments, components, and commands Basic tools and techniques for debugging the platform Recent and soon-to-emerge features of Cloud Foundry Cloud computing, the Internet of Things (IoT), and big data are three significant technological trends affecting the world's largest corporations. This book discusses big data, cloud computing, and the IoT, with a focus on the benefits and implementation problems. In addition, it examines the many structures and applications pertinent to these disciplines. Also, big data, cloud computing, and the IoT are proposed as possible study avenues. Features: Informs about cloud computing, IoT and big data, including theoretical foundations and the most recent empirical findings Provides essential research on the

relationship between various technologies and the aggregate influence they have on solving real-world problems Ideal for academicians, developers, researchers, computer scientists, practitioners, information technology professionals, students, scholars, and engineers exploring research on the incorporation of technological innovations to address contemporary societal challenges Use this comprehensive guide to get started with the Oracle Cloud Free Tier. Reading this book and creating your own application in the Free Tier is an excellent way to build familiarity with and expertise in Oracle Cloud Infrastructure. Even better is that the Free Tier by itself is capable enough and provides all the ingredients needed for you to create secure and robust, multi-tiered web applications of modest size. Examples in this book introduce the broad suite of Always Free options that are available from Oracle Cloud Infrastructure. You will learn how to provision autonomous databases and autonomous Linux compute nodes. And you will see how to use Terraform to manage infrastructure as code. You also will learn about networking options and application deployment, including how to create and deploy public-facing Application Express solutions and three-tier web applications on a foundation of Oracle REST Data Services. The book also includes a solid introduction to predictive analytics through Oracle Machine Learning Notebooks and Apache Zepplin. Cloud computing is a strong industry trend. Mastering the content in this book leaves you well-positioned to make the transition into providing and supporting cloud-based applications and databases. You

will have the knowledge and skills that you need to deploy modest applications along with a growing understanding of Oracle's Cloud platform that will serve you well as you go beyond the limits of the Always Free options and take full advantage of all that Oracle Cloud Infrastructure can offer. What You Will Learn Know which resources are available for free forever from Oracle Cloud Infrastructure Host, manage, and monitor web applications using the freely available components Provision and manage Autonomous Databases and Autonomous Linux Compute Nodes Perform rudimentary predictive analytics using Oracle Machine Learning Notebooks Automate and manage your infrastructure as code using Terraform Monitor and manage costs when you grow beyond the Always Free platform Who This Book Is For Database administrators and application developers who want to learn about Oracle's cloud offerings, application developers seeking a robust platform on which to build and deploy modest applications at zero cost, and developers and administrators interested in exploring Oracle Application Express running on a self-managing, self-tuning Oracle Database 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. This document brings together a set of latest data points and publicly available information relevant for Hybrid Cloud Infrastructure Industry. We are very excited to share this content and believe that readers will benefit from this periodic publication immensely. Work with Oracle database's high-availability and disaster-management technologies. This book covers all the Oracle high-availability technologies in one place and also discusses how you configure them in engineered systems and cloud services. You will see that when you say your database is healthy, it is not limited to whether the database is performing well on day-to-day operations; rather it should also be robust and free from disasters. As a result, your database will be capable of handling unforeseen incidents and recovering from disaster with very minimal or zero downtime. Oracle High Availability, Disaster Recovery, and Cloud Services explores all the high-availability features of Oracle database, how to configure them, and best practices. After you have read this book you will have mastered database high-availability concepts such as RAC, Data Guard, OEM 13c, and engineered systems (Oracle Exadata x6/x7 and Oracle Database Appliance). What You Will Learn

Master the best practices and features of Exadata and ODA Implement and monitor high availability with OEM 13c Clone databases using various methods in Oracle 12c R2 Work with the Oracle sharding features of Oracle 12c R2 Who This Book Is ForOracle database administrators The Nine Principles of Agile Planning teaches CFOs, CAOs, CIOs, and Finance leaders the secret to building nimble and dynamic forecasts within their organizations. The Nine Principles blend real-world processes, people, and cloud tech to get your business forecasting the right way. By adopting the Nine Principles, you can create world-class forecasting that reacts to real-time changes in your business and reduces risk. You will be a forecasting hero! Too many CFOs and Finance teams fail their organizations with slow and cumbersome forecasting and budgeting cycles that have limited adoption beyond Finance. Management consultants, software vendors, and your stakeholders have ideas to fix—but you need something game-changing. The Nine Principles of Agile Planning are the game-changer you need! Investing in a new forecasting process will take money, people, and time, with a significant opportunity cost of not working on other things. This investment is no different from developing a new product, building a factory, or hiring staff. Any business investment like this must earn an ROI. The Nine Principles of Agile Planning is a framework to give you the greatest chance of success of achieving this ROI by building a forecasting process to provide real operational value that helps run the organization on a day-to-day basis. Learn the latest strategies from getting forecasting closer to your front line business teams, linking variable items to operational activity levels,

planning by initiative, evaluating strategic big-bets, using modular planning, choosing a modern cloud planning tool, finding an expert, getting away from financial statement-centered forecasting, and using real-time IoT data to build operational early-warning systems. Make forecasting easy for your users by adopting the latest automation technologies and learn how you can automatically alert your planners when there is a trend that requires their attention. If you are evaluating cloud planning technologies from Adaptive Insights, Anaplan, OneStream, Oracle EPM (Hyperion), Planful, or SAP, the Nine Principles is the must-read guide to select the right tools, processes, and consultants to create agile and nimble planning in your organization. Use this chance to develop an Agile Planning philosophy that encourages rapid development of plans that can be quickly iterated, are easy to understand, and actionable. Take advantage of the golden age of cloud-based planning tools to facilitate these Agile Planning objectives. Create world-class budgeting and forecasting by adopting the Nine Principles! The Nine Principles of Agile Planning provides strategies to address issues like: - Lack of budgeting and forecasting adoption in your organization. - Forecasts that are slow to update and frequently wrong. - Decision-makers are ignoring Finance's forecasts. - Forecasting is focused on Finance and not front-line business leaders. - Out-dated planning technology that is inflexible and hard to use for non-Finance users. - Treating all elements of your business equally during forecasting. - Planning using too much detail. - Using inefficient planning methodologies approaches. - Not using real-world initiatives to drive organizational change. - Failing to use real-world

operational activity levels to inform financial forecasts. - Making the planning process too time-consuming and challenging. - Not integrating new real-time IoT data sources to build forecasting early-warning systems. - Failing to tailor planning to each operational function. The book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2022 organized by IIS (Deemed to be University), Jaipur, Rajasthan, India, during January 7–8, 2022. The volume is a collection of innovative ideas from researchers, scientists, academicians, industry professionals, and students. The book covers a variety of topics, such as expert applications and artificial intelligence/machine learning; advance web technologies such as IoT, big data, cloud computing in expert applications; information and cyber security threats and solutions, multimedia applications in forensics, security and intelligence; advancements in app development; management practices for expert applications; and social and ethical aspects in expert applications through applied sciences.

Developers often struggle when first encountering the cloud. Learning about distributed systems, becoming familiar with technologies such as containers and functions, and knowing how to put everything together can be daunting. With this practical guide, you'll get up to speed on patterns for building cloud native applications and best practices for common tasks such as messaging, eventing, and DevOps. Authors Boris Scholl, Trent Swanson, and Peter Jausovec describe the architectural building blocks for a modern cloud native application. You'll learn how to use microservices, containers,

serverless computing, storage types, portability, and functions. You'll also explore the fundamentals of cloud native applications, including how to design, develop, and operate them. Explore the technologies you need to design a cloud native application Distinguish between containers and functions, and learn when to use them Architect applications for data-related requirements Learn DevOps fundamentals and practices for developing, testing, and operating your applications Use tips, techniques, and best practices for building and managing cloud native applications Understand the costs and trade-offs necessary to make an application portable Discover how to manage and scale your infrastructure using Infrastructure as Code (IaC) with Terraform Key Features Get up and running with the latest version of Terraform, v0.13 Design and manage infrastructure that can be shared, tested, modified, provisioned, and deployed Work through practical recipes to achieve zero-downtime deployment and scale your infrastructure effectively Book Description HashiCorp Configuration Language (HCL) has changed how we define and provision a data center infrastructure with the launch of Terraform—one of the most popular and powerful products for building Infrastructure as Code. This practical guide will show you how to leverage HashiCorp's Terraform tool to manage a complex infrastructure with ease. Starting with recipes for setting up the environment, this book will gradually guide you in configuring, provisioning, collaborating, and building a multi-environment architecture. Unlike other books, you'll also be able to explore recipes with real-world examples to

provision your Azure infrastructure with Terraform. Once you've covered topics such as Azure Template, Azure CLI, Terraform configuration, and Terragrunt, you'll delve into manual and automated testing with Terraform configurations. The next set of chapters will show you how to manage a balanced and efficient infrastructure and create reusable infrastructure with Terraform modules. Finally, you'll explore the latest DevOps trends such as continuous integration and continuous delivery (CI/CD) and zero-downtime deployments. By the end of this book, you'll have developed the skills you need to get the most value out of Terraform and manage your infrastructure effectively. What you will learn Understand how to install Terraform for local development Get to grips with writing Terraform configuration for infrastructure provisioning Use Terraform for advanced infrastructure use cases Understand how to write and use Terraform modules Discover how to use Terraform for Azure infrastructure provisioning Become well-versed in testing Terraform configuration Execute Terraform configuration in CI/CD pipelines Explore how to use Terraform Cloud Who this book is for This book is for developers, operators, and DevOps engineers looking to improve their workflow and use Infrastructure as Code. Experience with Microsoft Azure, Jenkins, shell scripting, and DevOps practices is required to get the most out of this Terraform book. Prepare for the future of cloud infrastructure: Distributed Services Platforms By moving service modules closer to applications, Distributed Services (DS) Platforms will future-proof cloud

architectures—improving performance, responsiveness, observability, and troubleshooting. Network pioneer Silvano Gai demonstrates DS Platforms' remarkable capabilities and guides you through implementing them in diverse hardware. Focusing on business benefits throughout, Gai shows how to provide essential shared services such as segment routing, NAT, firewall, micro-segmentation, load balancing, SSL/TLS termination, VPNs, RDMA, and storage—including storage compression and encryption. He also compares three leading hardware-based approaches—Sea of Processors, FPGAs, and ASICs—preparing you to evaluate solutions, ask the right questions, and plan strategies for your environment. Understand the business drivers behind DS Platforms, and the value they offer See how modern network design and virtualization create a foundation for DS Platforms Achieve unprecedented scale through domain-specific hardware, standardized functionalities, and granular distribution Compare advantages and disadvantages of each leading hardware approach to DS Platforms Learn how P4 Domain-Specific Language and architecture enable high-performance, low-power ASICs that are data-plane-programmable at runtime Distribute cloud security services, including firewalls, encryption, key management, and VPNs Implement distributed storage and RDMA services in large-scale cloud networks Utilize Distributed Services Cards to offload networking processing from host CPUs Explore the newest DS Platform management architectures Building a Future-Proof Cloud Architecture is for network, cloud, application, and storage engineers,

security experts, and every technology professional who wants to succeed with tomorrow’s most advanced service architectures. The easy way to understand and implement cloud computing technology written by a team of experts Cloud computing can be difficult to understand at first, but the cost-saving possibilities are great and many companies are getting on board. If you've been put in charge of implementing cloud computing, this straightforward, plain-English guide clears up the confusion and helps you get your plan in place. You'll learn how cloud computing enables you to run a more green IT infrastructure, and access technology-enabled services from the Internet ("in the cloud") without having to understand, manage, or invest in the technology infrastructure that supports them. You'll also find out what you need to consider when implementing a plan, how to handle security issues, and more. Cloud computing is a way for businesses to take advantage of storage and virtual services through the Internet, saving money on infrastructure and support This book provides a clear definition of cloud computing from the utility computing standpoint and also addresses security concerns Offers practical guidance on delivering and managing cloud computing services effectively and efficiently Presents a proactive and pragmatic approach to implementing cloud computing in any organization Helps IT managers and staff understand the benefits and challenges of cloud computing, how to select a service, and what's involved in getting it up and running Highly experienced author team consults and gives presentations on emerging technologies Cloud Computing For Dummies gets straight to the point, providing the

practical information you need to know. OCI Foundations 2021 Associate Certification [1Z0-1085-21 Practice Test] is a comprehensive mock exam with emphasis on using the OCI Foundations 2021 Associate Certification [1Z0-1085-21 Practice Test] exam syllabus as guide on the question topic. The student should have basic knowledge on OCI Foundations 2021 or previous releases because this is not a tutorial. All questions are based on individual topics and all topics have been covered. Every topic in the syllabus have a corresponding question with sufficient representation. Cloud Concepts • Basic cloud concepts and its principles of economics Getting Started with OCI • Key features and components of OCI • Core Solutions on OCI Core OCI Services • Core OCI services • Cloud Native services Secuirty and compliance • OCI Security model • OCI compliance structure OCI pricing, support and operations • OCI Pricing model • OCI operational and support model Ideal situation is a combination of Oracle training and hands-on experience (attained via labs and/or experience) provides the best preparation for passing the exam. In absence of either of the two, I recommend doing hands-on to test the validity of the answers and improve memory recollection. All questions are self-explanatory and it will be easier to recall if the answers are validated using Oracle Cloud Free Tier. OCI Foundations 2021 Associate Certification [1Z0-1085-21 Practice Test] validates your understanding of the Oracle Cloud Infrastructure (OCI) technology and sets the stage for your future progression. Master Oracle SOA Suite 12c Design, implement, manage, and maintain a highly

flexible service-oriented computing infrastructure across your enterprise using the detailed information in this Oracle Press guide. Written by an Oracle ACE director, Oracle SOA Suite 12c Handbook uses a start-to-finish case study to illustrate each concept and technique. Learn expert techniques for designing and implementing components, assembling composite applications, integrating Java, handling complex business logic, and maximizing code reuse. Runtime administration, governance, and security are covered in this practical resource. Get started with the Oracle SOA Suite 12c development and run time environment Deploy and manage SOA composite applications Expose SOAP/XML REST/JSON through Oracle Service Bus Establish interactions through adapters for Database, JMS, File/FTP, UMS, LDAP, and Coherence Embed custom logic using Java and the Spring component Perform fast data analysis in real time with Oracle Event Processor Implement Event Drive Architecture based on the Event Delivery Network (EDN) Use Oracle Business Rules to encapsulate logic and automate decisions Model complex processes using BPEL, BPMN, and human task components Establish KPIs and evaluate performance using Oracle Business Activity Monitoring Control traffic, audit system activity, and encrypt sensitive data 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 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. Succeed in the workplace and on the challenging Oracle Cloud Infrastructure exam with this indispensable new study guide As the cloud expands to incorporate more and more of the working world's IT infrastructure, thousands of employers and professionals are looking to the Oracle Cloud Infrastructure Foundations Associate certification to measure and prove their competence in public cloud services. The OCI Oracle Cloud Infrastructure Certified Foundations Study Guide: Associate Exam 1Z0-1085 is just the resource you need to establish your credibility as a cloud professional,

both on the certification exam and in your day job. Use the included Exam Essentials resources and challenging chapter review questions to gauge your progress as you move through the intuitively organized chapters that cover each and every one of the exam's subject areas. With this book, you'll also: Prepare for a new, exciting, and in-demand career in Oracle cloud services administration with a powerful new credential Expand your IT and cloud administration skills, improving your chances for success in your next job Access the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms Perfect for anyone prepping for the Oracle Cloud Infrastructure Foundations Associate certification or for a professional role involving Oracle cloud services administration, this Study Guide will put you on the fast track to test and job success. □□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□□□ This book shows Oracle Application Express (APEX) developers how to take advantage of Oracle Cloud Infrastructure (OCI) features for APEX that might otherwise go missed. You will learn how to use OCI features for data science tasks such as detecting anomalies in your data, training machine learning models, and much more. The book provides an in-depth look at Oracle Cloud features and demonstrates how they can be easily integrated into an APEX application. While the book focuses on developing for APEX, the approaches covered in the book are also applicable to any other modern web developer framework for applications running on the OCI platform. For many organizations, the database is the

heart of operations. Those who opt to invest in the Oracle Database can learn from this book how to maximize their return on investment. The book begins with an introduction to OCI and help on setting up your OCI developer environment. From there you'll begin with security by learning to provide single sign-on via the Oracle Identity Cloud Service. Subsequent chapters take you through cloud-focused features such as Object Storage, Oracle Function, Oracle Machine Learning REST Services, and Oracle Cloud Anomaly Detection. You'll even learn to troubleshoot email delivery services. What You Will Learn Be aware of Oracle Cloud Infrastructure features for developers Integrate with cloud native services such as cloud-based object storage and serverless functions Enhance APEX applications with machine learning features Implement Natural Language Processing and Anomaly Detection Algorithms Troubleshoot email delivery services when sending emails using the APEX_MAIL package Design and implement an APEX environment that is secure Who This Book Is For APEX developers who are looking to extend their application's capabilities using features and resources available through the Oracle Cloud, and cloud solutions architects who support development teams and help design and implement architectures that benefit business operations Get up to speed with Oracle's Autonomous Databases and implementation strategies for any workload or use case, including transactional, data warehousing, and non-relational databases Key Features Explore ADB, its business benefits, and architectural considerations Migrate the existing workload to ADB, explore high availability, and use cloud

native methods for monitoring and event notifications Leverage APEX, JSON, the REST API, and SQL Developer Web features for rapid development Book Description Oracle Autonomous Database (ADB) is built on the world's fastest Oracle Database Platform, Exadata, and is delivered on Oracle Cloud Infrastructure (OCI), customer data center (ExaCC), and Oracle Dedicated Region Cloud. This book is a fast-paced, hands-on introduction to the most important aspects of OCI Autonomous Databases. You'll get to grips with concepts needed for designing disaster recovery using standby database deployment for Autonomous Databases. As you progress, you'll understand how you can take advantage of automatic backup and restore. The concluding chapters will cover topics such as the security aspects of databases to help you learn about managing Autonomous Databases, along with exploring the features of Autonomous Database security such as Data Safe and customer-managed keys for Vaults. By the end of this Oracle book, you'll be able to build and deploy an Autonomous Database in OCI, migrate databases to ADB, comfortably set up additional high-availability features such as Autonomous Data Guard, and understand end-to-end operations with ADBs. What you will learn Explore migration methods available for Autonomous Databases, using both online and offline methods Create standby databases, RTO and RPO objectives, and Autonomous Data Guard operations Become well-versed with automatic and manual backups available in ADB Implement best practices relating to network, security, and IAM policies Manage database performance and log management in ADB Understand how to perform

data masking and manage encryption keys in OCI's Autonomous Databases Who this book is for This book is for decision makers, enterprise cloud architects, solution consultants, cloud engineers, implementation partners, and technology students, as well as anyone who wants to learn about Oracle's Autonomous Databases delivered on Oracle Cloud Infrastructure (OCI). Beginner-level knowledge of Linux and OCI and networking concepts and databases, along with hands-on experience in OCI environments is required before getting started with this book. Access all the information you need to begin using the MySQL Database Service (MDS) in the Oracle Cloud Infrastructure (OCI). MDS is Oracle's new platform as a service (PAAS) offering for open-source database users. This book covers getting started with an account in OCI, gives a brief overview of OCI services available, and provides a short tutorial on MDS. Reading this book helps you take advantage of the powerful OCI features by building your own MySQL database in the cloud. Examples in this book center around running MDS in OCI, and include several of the popular use cases as well as advice on how to implement them. In addition, you will learn more about the related MDS OCI features, such as the high availability features currently available. Finally, you will learn how to back up and restore your data as well as how to get your data into and out of the cloud. The skills you learn in this book will help you get started using MDS and letting Oracle do the heavy lifting of managing MDS operations and implementation. What You Will Learn Use Oracle Cloud Infrastructure (OCI) Deploy MySQL Database Service

(MDS) systems in the cloud Connect your applications to MDS Back up and recover using the data recovery features of MDS Employ the newest high availability features of MDS Who This Book Is For Systems engineers, developers, and database professionals who want to learn about the powerful features of the MySQL Database Service (MDS) and how to incorporate cloud-based database storage into their infrastructure and applications. Readers who are new to MySQL will appreciate the tutorial chapter, and those familiar with MySQL will learn the latest features of MDS as well as how to build inexpensive, powerful MySQL database servers in the Oracle Cloud Infrastructure (OCI). 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). What You Will LearnBuild software solutions on Oracle CloudAutomate cloud infrastructure with CLI and TerraformFollow best practices for architecting on Oracle CloudEmploy Oracle Autonomous Database to obtain valuable data insightsRun containerized applications on Oracle’s Container Engine for KubernetesUnderst and 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. Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements

included with the product. This study guide covers 100% of the objectives for the Oracle Cloud Infrastructure Architect Associate exam Pass the new Oracle Cloud Infrastructure Architect Associate exam with ease using the detailed information contained in this effective self-study system. Written by an Oracle expert and respected author, Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) offers complete coverage of every subject on the challenging exam. Hands-on exercises, practice exam questions with in-depth explanations, "Notes," "Exam Tips," and "Cautions" throughout provide professional insight and call out potentially harmful situations. Beyond exam preparation, this guide also serves as a valuable on-the-job reference. Covers all exam topics, including: • Oracle Cloud Infrastructure concepts • OCI identity and access management • OCI networking • Compute instances • Storage • Database • Automation tools • OCI best practice architectures Online content includes: • 140 practice questions • Fully-customizable online test engine Build cost-effective and highly scalable Serverless applications using AWS Lambda. About This Book Leverage AWS Lambda to significantly lower your infrastructure costs and deploy out massively scalable, event-driven systems and applications Learn how to design and build Lambda functions using real-world examples and implementation scenarios Explore the Serverless ecosystem with a variety of toolsets and AWS services including DynamoDB, API Gateway, and much more! Who This Book Is For If you are a Cloud administrator and/or developer who wishes to explore, learn, and leverage AWS

Lambda to design, build, and deploy Serverless applications in the cloud, then this is the book for you! The book assumes you have some prior knowledge and hands-on experience with AWS core services such as EC2, IAM, S3, along with the knowledge to work with any popular programming language such as Node.Js, Java, C#, and so on. What You Will Learn Understand the hype, significance, and business benefits of Serverless computing and applications Plunge into the Serverless world of AWS Lambda and master its core components and how it works Find out how to effectively and efficiently design, develop, and test Lambda functions using Node.js, along with some keen coding insights and best practices Explore best practices to effectively monitor and troubleshoot Serverless applications using AWS CloudWatch and other third-party services in the form of Datadog and Loggly Quickly design and develop Serverless applications by leveraging AWS Lambda, DynamoDB, and API Gateway using the Serverless Application Framework (SAF) and other AWS services such as Step Functions Explore a rich variety of real-world Serverless use cases with Lambda and see how you can apply it to your environments In Detail AWS is recognized as one of the biggest market leaders for cloud computing and why not? It has evolved a lot since the time it started out by providing just basic services such as EC2 and S3 and today; they go all the way from IoT to Machine Learning, Image recognition, Chatbot Frameworks, and much more! One of those recent services that is also gaining a lot of traction is AWS Lambda! Although seemingly simple and easy to use, Lambda is a highly effective and

scalable compute service that provides developers with a powerful platform to design and develop Serverless event-driven systems and applications. The book begins with a high-level introduction into the world of Serverless computing and its advantages and use cases, followed by a deep dive into AWS Lambda! You'll learn what services AWS Lambda provides to developers; how to design, write, and test Lambda functions; as well as monitor and troubleshoot them. The book is designed and accompanied with a vast variety of real-world examples, use cases, and code samples that will enable you to get started on your Serverless applications quickly. By the end of the book, you will have gained all the skills required to work with AWS Lambda services! Style and approach This step-by-step guide will help you build Serverless applications and run Serverless workloads using the AWS Lambda service. You'll be able to get started with it in a matter of minutes with easy-to-follow code snippets and examples. This open access book constitutes the refereed proceedings of the 6th Asian Supercomputing Conference, SCFA 2020, which was planned to be held in February 2020, but unfortunately, the physical conference was cancelled due to the COVID-19 pandemic.The 8 full papers presented in this book were carefully reviewed and selected from 22 submissions. They cover a range of topics including file systems, memory hierarchy, HPC cloud platform, container image configuration workflow, large-scale applications, and scheduling. 1Z0-1085-21 - Oracle Certified Foundations Associate 2021: Study Guide with Practice Questions and Labs - First Edition About the Author Nouman Ahmed Khan: AWS/Azure/GCP-

Architect, CCDE, CCIEx5 (R&S, SP, Security, DC, Wireless), CISSP, CISA, CISM, CRISC, ISO27K-LA is a Solution Architect working with a global telecommunication provider. He works with enterprises, mega-projects, and service providers to help them select the best-fit technology solutions. He also works as a consultant to understand customer business processes and helps select an appropriate technology strategy to support business goals. He has more than fifteen years of experience working with global clients. PASS THE LATEST Oracle Cloud Infrastructure (OCI) Foundations Associate EXAM With Confidence in just 4 Weeks. Are you looking to learn about the foundational knowledge of Oracle cloud and how they are implemented using Oracle Cloud Infrastructure services? This book is an ideal resource to start your journey with confidence. No prior experience in Cloud is required. This latest Oracle Cloud Infrastructure (OCI) Foundations Associate (1Z0-1085-21) EXAM Prep Specialization consists of five domains that will act as a bedrock of fundamental knowledge to prepare you for the 1Z0-1085-21 certification exam and for a career in the cloud. The content of this program is tightly aligned to the Oracle Cloud Infrastructure (OCI) Foundations Associate exam objective domains. This is a highly practical, intensive, yet comprehensive book that will teach you to become an Oracle Foundations Associate. Also, this certification course will help you: - Validate your foundational understanding of cloud computing - Understand key components and services of Oracle Cloud Infrastructure - Establish industry credibility in cloud technologies and share your

capabilities with a digital badge It's a perfect resource to pass the latest Oracle Cloud Infrastructure (OCI) Certified Foundations Associate (1Z0-1085-21) EXAM on the first attempt. The book Includes: - Covers complete exam blueprint - Practice Questions. - Mind-maps - Hand-on practice labs. - Real-world examples - Exam tips. Topics Covered: This exam measures your ability to describe the following concepts: - Cloud concepts - Oracle Cloud Infrastructure concepts - Core Oracle Cloud Infrastructure Services - Security and Compliance - Pricing, Support, and Operations Follow this study guide to deep dive into Oracle Cloud Infrastructure (OCI) leveraging Infrastructure as Code principles! You will also get prepared for the Oracle Cloud Infrastructure 2018 Certified Cloud Architect Associate exam with lots of labs and review questions.What you will learn:- DevOps and Infrastructure as Code Fundamentals- Using the OCI Command Line Interface- Scripting with the OCI Python Software Development Kit (SDK)- Using Terraform to deploy infrastructure on OCI Oracle Cloud Infrastructure Architect Associate Study Guide: Exam 1Z0-1072-20 provides readers with a solid introduction to the job role and responsibilities of an Oracle cloud architect. A cloud architect is responsible for designing cloud solutions, has a strong understanding of cloud computing concepts, knows all components of OCI, builds highly resilient infrastructure in cloud, and translates on-premises architecture to a typical cloud-based architecture. This Study Guide also covers core cloud computing concepts and an understanding of those services in Oracle Cloud

Infrastructure. including: Identity and Access Management (IAM) Networking Compute Storage Database Readers also get one year of FREE access after activation to Sybex's superior interactive online study tools, including hindreds of practice questions, a bonus exam, flashcards, and comprehensive glossary of key terms so you are fully prepared. Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Quickly Get Up and Running on Oracle Database Exadata Cloud Service Quickly install, configure, and start using Oracle Database Exadata Cloud Service with the hands-on information contained in this comprehensive Oracle Press guide. Designed for easy learning, the book features real-world examples, detailed illustrations, and step-by-step instructions. Oracle Database Exadata Cloud Service: A Beginner’s Guide walks you through the basics and shows you how to provision, create, and deploy databases. Basic system administration tasks, including data backup and recovery, software patching, and system updating, are clearly explained. Advanced monitoring and data compression techniques are also covered. Inside, you’ll discover how to: •Set up and configure Oracle Database Exadata Cloud Service•Navigate the user interface•Work with tooling and CLIs•Deploy smart scans and storage indexes•Employ the latest compression techniques•Handle Oracle Exadata resource management•Administer Oracle Exadata Smart Flash Cache•Manage and monitor your Oracle Exadata Cloud Service•Migrate to Oracle Exadata

Cloud Service TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com. Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. This study guide covers 100% of the objectives for the Oracle Cloud Infrastructure Architect Associate exam Pass the new Oracle Cloud Infrastructure Architect Associate exam with ease using the detailed information contained in this effective self-study system. Written by an Oracle expert and respected author, Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) offers complete coverage of every subject on the challenging exam. Hands-on exercises, practice exam questions with in-depth explanations, “Notes,” “Exam Tips,” and “Cautions” throughout provide professional insight and call out potentially harmful situations. Beyond exam preparation, this guide also serves as a valuable on-the-job reference. Covers all exam topics, including: • Oracle Cloud Infrastructure concepts • OCI identity and access management • OCI networking • Compute instances • Storage • Database • Automation tools • OCI best practice architectures Online content includes: • 140 practice questions • Fully-customizable online test engine The microservice architecture has been adopted by many developer teams around the world. To be successful, it's crucial that you understand how to program a microservice and get it running in the cloud. This book will walk you through the process of how to build, test, and deploy a Java-based Micronaut microservice to the

Oracle Cloud with GitHub Actions. You'll learn how to create a Virtual Machine (with both the Oracle Cloud Infrastructure (OCI) CLI and the OCI Gradle Plugin), as well as create and deploy the microservice as a Docker container that can be stored in Oracle Container Infrastructure Registry (OCIR) and deployed to an Oracle Kubernetes Engine (OKE) cluster. The microservice will use Micronaut Data for persistence, Testcontainers for testing, and Liquibase to manage your Oracle DB production schema. After reading or using this book, you'll be able to build, test and deploy your first microservices using the Micronaut framework, Oracle Cloud and more. What You'll Learn Build and deploy Java-based microservices using Micronaut and Oracle Cloud Run tests and publishing reports Deploy to Oracle Cloud using OCI CLI and the OCI Gradle plug-in Add a persistence tier to the microservice Distribute a microservice with persistence Who This Book Is For Programmers and software developers with experience in Java and microservices programming who are new to Micronaut. This book shows developers and Oracle professionals how to build practical, non-trivial web applications using Oracle’s rapid application development environment – Application Express (APEX). This third edition Is revised to cover the new features and user interface experience found in APEX 20. Interactive grids and form regions are two of the newer aspects of APEX covered in this edition. The book is targeted at those who are new to APEX and just beginning to develop real projects for deployment, as well as those who are familiar with APEX and want a deeper understanding. The book takes you through the

development of a demo web application that illustrates the concepts all APEX programmers should know. This book introduces the world of APEX properties, explaining the functionality supported by each page component as well as the techniques developers use to achieve that functionality. Topics include conditional formatting, user-customized reports, data entry forms, concurrency and lost updates, and security control. Specific attention is given in the book to the thought process involved in choosing and assembling APEX components and features to deliver a specific result. Understanding Oracle APEX 20 Application Development, 3rd Edition is the ideal book to take you from an understanding of the individual pieces of APEX to an understanding of how those pieces are assembled into polished applications. What You Will Learn Build attractive, highly functional web apps from the ground up Enhance and customize pages created by the APEX wizards Understand the security implications of page design Write PL/SQL code for process activity and verification Build complex components such as forms and interactive grids Who This Book Is For Developers new to APEX who desire a strong fundamental understanding of how APEX applications work. For existing developers and database administrators desiring to mine the most value from APEX by improving their development techniques. A comprehensive innovative product handbook for managers designing and deploying enterprise business solutions. KEY FEATURES ● Covers proven technical approaches in migrating your enterprise systems to Oracle Cloud Computing. ● A

handbook for decision-makers on using Oracle Product Suite for digital transformation. ● Understand the Oracle product benefits and leveraging capital investment to avail great measurable ROI and TCO. DESCRIPTION The Oracle Enterprise Architecture Framework emerges from the on-site legacy to current cloud native and is called Modern Oracle Enterprise Architecture. It aims to clear the path for critical business application workloads in the field of database and the application architecture to hybrid and cloud applications. This is a very handy book for chief decision-makers and professional cloud solution engineers. As the current cloud computing services are agile and pay-as-you-go (PAYG) based subscription including multi-year cost model thus a more agile approach is covered throughout the book. This book will help readers to achieve their database and application system solution architecture career objectives more quickly without spending years. The readers can prevent committing errors, recovering from them, and learning things the hard way. This book lists critical attributes and methods to develop, including improvement of business-friendly case formulation. It also includes the development of a solution approach in creative and innovative technological breakthroughs developed by product companies over the last three decades. WHAT YOU WILL LEARN ● 360-degree view of Oracle database and application products. ● Transition to hybrid cloud identity services via Oracle Identity Cloud platform. ● Understand and implement Oracle accessibility and architecture observability. ● Get to know the benefits of leveraging Oracle Autonomous Shared

and dedicated services. ● Manage, automate, and upgrade the cloud databases using Oracle fleet management. ● Automate sitewide failover and switchover operations using Oracle siteguard. WHO THIS BOOK IS FOR This book is for decision-makers, business architects, system development teams, technological professionals and product teams who want to use the Oracle stack's hidden capabilities to develop, manage and keep enhancing enterprise systems. TABLE OF CONTENTS 01. Artificial Intelligence for Cloud Computing 02. Business Benefits of Migrating and Operating on Oracle Cloud 03. Move and Optimize the Cost for Oracle E-Business Suite on Cloud Compute 04. Contemplating IaaS, PaaS, and SaaS Migration for On-Premise Legacy Systems 05. Oracle Autonomous Dedicated for Oracle E-Business Suite Customers 06. Benefits of Oracle PeopleSoft with Autonomous Database Dedicated and Shared 07. Oracle Autonomous Dedicated for Oracle E-Business Suite Customers 08. Oracle Agile Maximum-Security Architecture (AMSA) 09. Agile Accessibility and Observability Architecture Agile AOA (AAOA) 10. Fleet Management for On-Premises and Cloud (DBaaS and IaaS) Database Stack 11. Identity transition from Identity Manager (IDM) to Universal Directory (OUD) and Identity Cloud Suite 12. Decision Analysis Resolution (DAR) for Oracle E-Business Suite on Cloud Compute 13. Hidden Jewel on Oracle Crown. Oracle Enterprise Manager Site Guard Use Cases: 14. Case Study One Oracle E-Business Suite Migration to OCI with Business Continuity Site 15. Case Study Two. Oracle E-Business Suite Migration to OCI with Business Continuity Site 16. Case Study Three. Oracle Universal Directory Installation and Configuration Build

web and mobile apps quickly with Oracle Visual Builder and delve into real-time end-to-end use cases, exploring best practices, recommendations, security, and debugging techniques Key FeaturesExecute various real-time use cases and develop web and mobile applications quicklyEnhance your skills by extending Oracle and non-Oracle SaaS applications using VBGain the knowledge needed to take on projects directly and work independentlyBook Description Organizations are moving their applications, data, and processes to the cloud to reduce application costs, effort, and maintenance. However, adopting new technology poses challenges for developers, solutions architects, and designers due to a lack of knowledge and appropriate practical training resources. This book helps you get to grips with Oracle Visual Builder (VB) and enables you to quickly develop web and mobile applications and deploy them to production without hassle. This book will provide you with a solid understanding of VB so that you can adopt it at a faster pace and start building applications right away. After working with real-time examples to learn about VB, you'll discover how to design, develop, and deploy web and mobile applications quickly. You'll cover all the VB components in-depth, including web and mobile application development, business objects, and service connections. In order to use all these components, you'll also explore best practices, security, and recommendations, which are well explained within the chapters. Finally, this book will help you gain the knowledge you need to enhance the performance of an application before deploying it to production. By the end of this book, you will be

able to work independently and deploy your VB applications efficiently and with confidence. What you will learnGet started with VB and explore its architecture and basic building blocksGain a clear understanding of business objects and learn how to manage themCreate service connections to connect to the external API and Oracle SaaSBuild web and mobile apps and run them on various devicesDevelop Oracle Cloud and non-Oracle SaaS app extensionsGet to grips with data and application security using practical examplesExplore best practices along with troubleshooting and debugging mechanismsConnect your VB application with VBS for application versioning using GitWho this book is for This book is for IT professionals working with UI technologies to develop web and mobile applications for various industries. Developers and UI designers who want to understand how to use VB, develop scalable web and mobile applications using drag-and-drop features, and design applications in a better way with the help of real-time example apps and code samples will find this book helpful. Prior experience in any UI technology, JavaScript, and REST APIs will be useful. Learn the ins and outs of the Industrial Internet of Things through subjects ranging from its history and evolution, right up to what the future holds. About This Book Define solutions that can connect existing systems and newer cloud-based solutions to thousands of thousands of edge devices and industrial machines Identify, define, and justify Industrial Internet of Things (IIoT) projects, and design an application that can connect to and control thousands of machines Leverage the power and features of a platform to monitor, perform analytics,

and maintain the Industrial Internet Who This Book Is For Architects who are interested in learning how to define solutions for the Industrial Internet will benefit immensely from this book. Relevant architect roles include enterprise architects, business architects, information architects, cloud solution architects, software architects, and others. The content is also relevant for technically inclined line of business leaders investing in these solutions. What You Will Learn Learn the history of the Industrial Internet and why an architectural approach is needed Define solutions that can connect to and control thousands of edge devices and machines Understand the significance of working with line of business leadership and key metrics to be gathered Connect business requirements to the functional architecture Gain the right expectation as to the capabilities of Industrial Internet applications and how to assess them Understand what data and analytics components should be included in your architecture solution Understand deployment trade-offs, management and security considerations, and the impact of emerging technologies In Detail The Industrial Internet or the IIoT has gained a lot of traction. Many leading companies are driving this revolution by connecting smart edge devices to cloud-based analysis platforms and solving their business challenges in new ways. To ensure a smooth integration of such machines and devices, sound architecture strategies based on accepted principles, best practices, and lessons learned must be applied. This book begins by providing a bird's eye view of what the IIoT is and how the industrial revolution has evolved into embracing this

technology. It then describes architectural approaches for success, gathering business requirements, and mapping requirements into functional solutions. In a later chapter, many other potential use cases are introduced including those in manufacturing and specific examples in predictive maintenance, asset tracking and handling, and environmental impact and abatement. The book concludes by exploring evolving technologies that will impact IIoT architecture in the future and discusses possible societal implications of the Industrial Internet and perceptions regarding these projects. By the end of this book, you will be better equipped to embrace the benefits of the burgeoning IIoT. Style and approach This book takes a comprehensive approach to the Industrial Internet, thoroughly acquainting the reader with the concepts and philosophy of the IIoT. It provides a basis for defining an IIoT solution in a thoughtful manner and creating what will be viewed as a successful project.

OCIの仕組みと、すぐに使える設計ノウハウを徹底解説！ さまざまなクラウドサービスが世の中に浸透し、オンプレミスからのクラウド移行事例も数多く出ている現在においても、いわゆる「基幹系システム」についてはまだまだ クラウド化の難易度が高いと思われているのが現状です。しかし、Oracleが提供するクラウド基盤・パブリッククラウドサービス群「Oracle Cloud Infrastructure（OCI）」を使えば、Oracle Databaseなどこれまでの基幹系業務システムで 稼働してきたサービスを、オンプレミスさながらに利用しながら、クラウド化の検討や、移行を行うことが可能です。本書は、他のクラウドサービスを利用したことがある人を中心に、 OCIに興味があるエンジニアが、業務システムを設計、構築するために必要な知識 ――Oracle Cloudの基本からインフラ構築・設計まで―― を一冊で学ぶことができる必携の書です。特に、本書後半では、SoR領域など、業務システムを クラウド化する際のアーキテクチャを考えたい人のために、クラウドインフラ／ネットワーク／運用などの実践的な システム設計のポイントを解説しています。あなたの会社のシステムのクラウド化を目指し、本書でOCIを徹底的に学んでいきましょう。 ◆◆◆◆目次◆◆◆◆ ◇第1部: Oracle Cloudの概要と主要サービスの理解 ・第1章: Oracle Cloudの基本知識 ・第2章: まずは触ってみよう ・第3章: 認証・認可（IAM/IDCS） ・第4章: 仮想クラウド・ネットワーク（VCN）

・第5章: コンピュート・サービス・第6章: ストレージ・サービス・第7章: データベース・サービス・第8章: ロード・バランサ・第9章: その他のサービス ◇第2部: OCIを利用したシステム設計・第10章: クラウドでのシステム設計のポイント・第11章: ネットワーク設計・第12章: 可用性設計・第13章: セキュリティ・第14章: 運用設計・第15章: 移行設計 Learn how to successfully implement API management using Oracle's API Management Solution 12c About This Book Explore the key concepts, goals, and objectives of API Management and learn how to implement it using the Oracle API Management Solution Understand the concepts and objectives of the Application Service Governance (ASG), along with the governance framework that encompasses people, processes, and technology Get to grips with API Management readiness assessments, gap analysis, digital reference architecture, and implementation roadmaps Who This Book Is For This book is for Enterprise Architects, Solution Architects, Technical Architects, and SOA and API consultants who want to successfully implement API Management using the Oracle API Management Solution products. What You Will Learn Understand how to manage a set of APIs Discover the differences and similarities between API Management and SOA Governance, and where and how these two disciplines converge into Application Services Governance (ASG) Grasp information about ASG and how to define an ASG governance framework Understand the challenges for organizations looking to expose APIs to the external world. Identify common scenarios and how to solve them Define an Oracle API management deployment topology Install and configure Oracle API Catalog (OAC), Oracle API Manager (OAPIM), and Oracle API Gateway (OAG)

Learn about API subscriptions and API community management with the OAPIM portal Implement Oracle API Manager (OAPIM) including creation, publishing, management and deprecation of APIs In Detail Oracle SOA Governance is a comprehensive, service-orientated governance solution that is designed to make the transition to SOA easier. API management is the discipline that governs the software development lifecycle of APIs. It defines the tools and processes needed to build, publish and operate APIs including the management of the community of developers around it. This book illustrates how to successfully implement API Management in your organization. To achieve this, the importance of defining an API management strategy and implementation roadmap so that capabilities are implemented in the right order and timeframes is described. It starts by describing all of the fundamental concepts around API Management and related disciplines such as SOA Governance and DevOps in order to dispel the confusion surrounding these topics. The book then takes you on the journey of implementing API Management, using a realistic case study of an organization that needs an API Management solution. You will start by identifying the key business drivers to implement APIs and then create an API Management strategy and a roadmap to realize this strategy. You'll then go through a number of use cases, each focused on addressing specific business requirements. These will help you understand each of the Oracle API Management products, how they fit into an overall architecture, and how to implement them. The book concludes by providing some tips and guidelines around defining a

deployment topology for the Oracle API Management products and the steps to install them. Style and approach This book is a comprehensive guide to successfully implementing a complete API Management solution from inception to implementation. The initial chapters introduce you to Oracle SOA Governance and API Management and from there, chapters are mainly hands-on and provide a full step-by-step walkthrough of how to implement the products of the Oracle API management solution to address realistic use cases.

Remain relevant in the face of constant change during your career in technology. This book shows you how to proactively plan in anticipation of future changes. Many people find technology careers enticing because of the number of job opportunities, the high compensation, or simply because of fascination with technology itself. Once in those careers, however, there are many challenges to remaining relevant and at one's peak in the face of constantly shifting competitive and technology landscapes. Incumbents face a constant stream of new skills to learn that are often already known by more recent graduates entering the market at lower compensation rates. There also are time-to-market challenges and the need to keep up with the introduction of automation. This book was written based on the author's experience gained over 40 years working with and in technology-related fields and companies. It provides practical guidance on remaining relevant as changes are expected to occur in technology at ever faster rates in coming decades. What You'll Learn Know what companies really want Realize the importance of alignment with company culture

Understand the political landscape and how to use it to advantage Discover why creating, maintaining, and operating in a diverse environment is beneficial Master strategies for skills development Future-proof your career Who This Book Is For Technology professionals who want to remain relevant and happy while navigating their current career and university students who are pursuing a STEM career and actively planning their future