

Oracle Soa Suite 12c Handbook Oracle Press

Master All Aspects of Oracle Fusion Middleware Management Govern a unified platform for agile, intelligent business applications using the detailed information contained in this Oracle Press book. Oracle Fusion Middleware 11g Architecture and Management explains the entire suite of Oracle Fusion Middleware components and lays out core use cases, best practices, and step-by-step administrative instructions. Discover how to provision servers and clusters, configure Web services, manage portals, and optimize the performance of the full stack of Oracle Fusion Middleware components. Monitoring, diagnosing, and security are also covered in this definitive resource. Understand key architectural concepts behind Oracle Fusion Middleware 11g Create and deploy Oracle WebLogic Server domains and clusters Set up and manage applications built using Oracle Application Development Framework Maximize the value of your Oracle SOA Suite environments Manage portals and Enterprise 2.0 services from Oracle WebCenter Secure deployments with Oracle Platform Security Services and Oracle Identity Management Understand Oracle Exalogic and Oracle Virtual Assembly Builder

This book reports on a set of new techniques for resolving current issues in networked control systems. The main focus is on strategies for event-based control, for both centralized and decentralized architectures. The first part of the book addresses the problem of single-loop networked control systems and proposes an anticipative remote controller for dealing with delays and packet losses. The second part of the book proposes a distributed event-based control strategy for networked dynamical systems, which has been implemented in a test-bed of mobile robots, and provides readers with a thorough description of an interactive simulator used to validate the results. This thesis, examined at the Universidad Nacional de Educación a Distancia in 2013, received the award for best thesis in control engineering from the Control Engineering group of the Spanish Committee of Automatic Control in 2015.

Master Oracle SOA Suite 11g Design and implement an agile service-oriented enterprise computing infrastructure using the detailed information in this Oracle Press guide. Written by an Oracle ACE director, Oracle SOA Suite 11g Handbook uses a hands-on case study to illustrate each programming, management, and governance concept. Get expert techniques for modeling and implementing complex business processes and deploying and securing Web services, while maximizing decoupling and code reuse. Install Oracle SOA Suite 11g or migrate from a previous version Design and develop composite applications using SCA and SDO Model processes using BPEL, BPMN, and human task components Connect components through mapping and filtering with Oracle Mediator Apply the principles of event-driven architecture through complex event processing, the event delivery network, and Oracle Business Activity Monitoring server Benefit from the power of Java through the Spring

component and the interaction with Oracle Validate, enrich, transform, route, and operate on data using the Oracle Service Bus Deploy, test, and manage composite applications from the Oracle Enterprise Manager control console

Master the Configuration and Administration of Oracle WebLogic Server 11g
 Oversee a robust, highly available environment for your mission-critical applications using the expert information in this Oracle Press guide. Oracle WebLogic Server 11g Administration Handbook explains the latest management techniques for the de facto application server for Oracle Fusion Middleware 11g> and provides detailed examples and best practices. Find out how to use the Oracle WebLogic Server Administration Console feature, employ command-line and scripting tools, implement failover and migration capabilities, and generate reliable backups. Troubleshooting, tuning, and security procedures are also covered in this comprehensive resource. Install Oracle WebLogic Server 11g or upgrade from a previous version Configure domains, servers, clusters, custom networks, and virtual hosts Work with the Administration Console and Monitoring Dashboard features of Oracle WebLogic Server Use the WebLogic Scripting Tool (WLST) feature of Oracle WebLogic Server to manage and monitor domains Use the Oracle WebLogic Server Work Managers feature to optimize scheduled work Deploy Web applications, Enterprise JavaBeans, and Java EE modules Improve scalability and reliability using Oracle WebLogic Server clusters Monitor servers, tune the Java Virtual Machine, maximize throughput, and optimize performance Authenticate, authorize, and map users within defined security realms

Database Administration, Second Edition , is the definitive, technology-independent guide to the modern discipline of database administration. Packed with best practices and proven solutions for any database platform or environment, this text fully reflects the field's latest realities and challenges. Drawing on more than thirty years of database experience, Mullins focuses on problems that today's DBAs actually face, and skills and knowledge they simply must have. Mullins presents realistic, thorough, and up-to-date coverage of every DBA task, including creating database environments, data modeling, normalization, design, performance, data integrity, compliance, governance, security, backup/recovery, disaster planning, data and storage management, data movement/distribution, data warehousing, connectivity, metadata, tools, and more. This edition adds new coverage of "Big Data," database appliances, cloud computing, and NoSQL. Mullins includes an entirely new chapter on the DBA's role in regulatory compliance, with substantial new material on data breaches, auditing, encryption, retention, and metadata management. You'll also find an all-new glossary, plus up-to-the-minute DBA rules of thumb.

The book explains core concepts while providing real world implementation specifics, detailing the administration-related activities with Oracle SOA Suite 11g with a step-by-step approach using real-world examples. The authors demonstrate the use of WLST scripts that administrators can reuse and extend to perform most administration tasks such as deployments, tuning, migration, and

installation. If you are an Oracle SOA Suite administrator, WebLogic Server administrator, Database administrator, or developer that needs to administer and secure your Oracle SOA Suite services and applications, then this book is for you. Basic knowledge of Oracle SOA Suite Administration is beneficial, but not necessary.

Define, model, implement, and monitor real-world BPEL business processes with SOA powered BPM for Oracle SOA Suite with this book and eBook.

Cracking Java Interview is not easy and one of the main reasons for that is Java is very vast. There are a lot of concepts and APIs to master to become a decent Java developer. Many people who are good at general topics like Data Structure and Algorithms, System Design, SQL, and Database fail to crack the Java interview because they don't spend time to learn the Core Java concepts and essential APIs and packages like Java Collection Framework, Multithreading, JVM Internals, JDBC, Design Patterns, and Object-Oriented Programming. This book aims to fill that gap and introduce you to classical Java interview questions from these topics. By going through these questions and topic you will not only expand your knowledge but also get ready for your Next Java interview. If you are preparing for Java interviews then I highly recommend you to go through these questions before your telephonic or face-to-face interviews, you will not only gain confidence and knowledge to answer the question but also learn how to drive Java interview in your favor. This is the single most important tip I can give you as a Java developer. Always, remember, your answers drive interviews, and these questions will show you how to drive Interviewer to your strong areas. All the best for the Java interview and if you have any questions or feedback you can always contact me on twitter javinpaul (<http://twitter.com/javinpaul>) or comment on my blogs Javarevisited(<http://javarevisited.blogspot.com>) and Java67(<http://java67.c>

This book is a design handbook and provides skills to successfully design, implement, and optimize business processes on top of SOA. Starting with business process modeling, it shows design principles to architect sound process architectures. It presents best practices for modeling business processes using BPMN, together with design principles for services and composite applications. It provides detailed coverage of how to prepare business processes for execution. An in-depth explanation of human interactions is given and also principles and best practices for using rules. Moving on, Adaptive Case Management principles are explained, along with the reach of business processes to mobile devices and ensuring multichannel interactions. Business activity monitoring, event-driven architectures, complex event processing in relation to business processes, and enabling integration with events and IoT devices are explained. The design principles and best practices are demonstrated in a practical way on a rental car use case.

Master Oracle Enterprise Manager Cloud Control 12c Achieve peak database efficiency and derive unprecedented value from your corporate assets by implementing an end-to-end cloud

computing solution. Oracle Enterprise Manager Cloud Control 12c Deep Dive thoroughly explains best practices for deployment, administration, and monitoring. Learn how to prepare and install Oracle Enterprise Manager Cloud Control 12c, use agents, apply system-wide patches, perform real-time diagnostics, and discover, monitor, and administer hosts, databases, and middleware. Security and select plug-ins are also fully covered in this Oracle Press guide. Install and configure Oracle Enterprise Manager Cloud Control 12c Deploy management agents in one of six available ways Handle security with Cloud Control administrators, roles, and credentials Track performance with SQL monitoring and Active Session History (ASH) analytics Dynamically provision middleware and enterprise applications Work with Oracle Exadata and Oracle Exalogic Elastic Cloud Force policy compliance and employ global change detection Manage and monitor hosts, virtual machines, and server pools 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

This book is packed with real word examples. Each major certification topic is covered in a separate chapter, which helps to make understanding of concepts easier. At the end of each chapter, you will find a variety of practice questions to strengthen and test your learning. You will get a feel for the actual SOA Foundation Practitioner exam by solving practice papers modeled on it. This book is for SOA architects, technical consultants, application developers and analysts who want to successfully clear the 1Z0-451 Oracle SOA Foundation Practitioner exam to attain the Oracle SOA Infrastructure Implementation Certification.

Master Oracle E-Business Suite 12 Performance Tuning and Optimization Deliver on the promise of lower TCO and achieve operational excellence by implementing a comprehensive enterprise application management process. Oracle E-Business Suite 12 Tuning Tips & Techniques offers detailed coverage of the versatile tools, features, and services available for managing application reliability, availability, performance, optimization, and governance. Best practices for maintaining overall application health and supporting evolving priorities, technologies, and systems are also included in this Oracle Press guide. Get a comprehensive technical and functional overview of Oracle E-Business Suite 12 Plan, develop, and implement a management lifecycle strategy Execute an effective reliability management solution Monitor and maintain availability Improve application speed and performance Optimize Oracle E-Business Suite for short-term flexibility and long-term strategic goals Implement strong application governance processes Measure the success and performance of your management plan Maintain an agile, future-ready Oracle E-Business Suite platform

Data pipelines are the foundation for success in data analytics. Moving data from numerous diverse sources and transforming it to provide context is the difference between having data and actually gaining value from it. This pocket reference defines data pipelines and explains

how they work in today's modern data stack. You'll learn common considerations and key decision points when implementing pipelines, such as batch versus streaming data ingestion and build versus buy. This book addresses the most common decisions made by data professionals and discusses foundational concepts that apply to open source frameworks, commercial products, and homegrown solutions. You'll learn: What a data pipeline is and how it works How data is moved and processed on modern data infrastructure, including cloud platforms Common tools and products used by data engineers to build pipelines How pipelines support analytics and reporting needs Considerations for pipeline maintenance, testing, and alerting

This book presents novel RIS-Based Smart Radio techniques, targeting at achieving high-quality channel links in cellular communications via design and optimization of the RIS construction. Unlike traditional antenna arrays, three unique characteristics of the RIS will be revealed in this book. First, the built-in programmable configuration of the RIS enables analog beamforming inherently without extra hardware or signal processing. Second, the incident signals can be controlled to partly reflect and partly transmit through the RIS simultaneously, adding more flexibility to signal transmission. Third, the RIS has no digital processing capability to actively send signals nor any radio frequency (RF) components. As such, it is necessary to develop novel channel estimation and communication protocols, design joint digital and RIS-based analog beamforming schemes and perform interference control via mixed reflection and transmission. This book also investigates how to integrate the RIS to legacy communication systems. RIS techniques are further investigated in this book (benefited from its ability to actively shape the propagation environment) to achieve two types of wireless applications, i.e., RF sensing and localization. The influence of the sensing objectives on the wireless signal propagation can be potentially recognized by the receivers, which are then utilized to identify the objectives in RF sensing. Unlike traditional sensing techniques, RIS-aided sensing can actively customize the wireless channels and generate a favorable massive number of independent paths interacting with the sensing objectives. It is desirable to design RIS-based sensing algorithms, and optimize RIS configurations. For the second application, i.e., RIS aided localization, an RIS is deployed between the access point (AP) and users. The AP can then analyze reflected signals from users via different RIS configurations to obtain accurate locations of users. However, this is a challenging task due to the dynamic user topology, as well as the mutual influence between multiple users and the RIS. Therefore, the operations of the RIS, the AP, and multiple users need to be carefully coordinated. A new RIS-based localization protocol for device cooperation and an RIS configuration optimization algorithm are also required. This book targets researchers and graduate-level students focusing on communications and networks. Signal processing engineers, computer and information scientists, applied mathematicians and statisticians, who work in RIS research and development will also find this book useful.

Best Practices for Oracle WebLogic Server 12c Configuration and Administration Maintain a high-performance enterprise application framework using the detailed information in this authoritative resource. Through expert instruction and real-world examples, Oracle WebLogic Server 12c Administration Handbook fully explains the latest management tools and techniques. Learn how to work from the Oracle WebLogic Server Administration Console or command line, configure servers and clusters, deploy applications, and optimize application performance. Tuning, troubleshooting, and load balancing are thoroughly covered in this Oracle Press guide. Install Oracle WebLogic Server 12c or perform an upgrade Manage domains, server instances, networks, and virtual hosts Work with the WebLogic Scripting Tool feature and Node Manager Build custom network channels and resource adapters Monitor performance with the WebLogic Diagnostics Framework feature Prioritize requests using Oracle WebLogic Server Work Managers Configure Oracle WebLogic clusters and migrate

servers and services Deploy web applications, Enterprise JavaBeans, and Java EE modules Establish security realms and authenticate and authorize users Allocate memory, optimize throughput, and tune the Java Virtual Machine

Pro Oracle Fusion Applications is your one-stop source for help with installing Oracle's Fusion Applications suite in your on-premise environment. It also aids in the monitoring and ongoing administration of your Fusion environment. Author Tushar Thakker is widely known for his writings and expertise on Oracle Fusion Applications, and now he brings his accumulated wisdom to you in the form of this convenient handbook. Provisioning an Oracle Fusion Applications infrastructure is a daunting task. You'll have to plan a suitable topology and install the required database, an enterprise-wide identity management solution, and the applications themselves—all while working with a wide variety of people who may not always be accustomed to working together. Pro Oracle Fusion Applications provides a path to success that you won't want to be without. Beyond installation, Pro Oracle Fusion Applications provides excellent guidance on managing, monitoring, diagnostics, and troubleshooting your environment. The book also covers patching, a mundane but essential task that must be done regularly to keep your installation protected and running smoothly. The comprehensive and wide-ranging coverage makes Pro Oracle Fusion Applications an important book for anyone with responsibility for installation and ongoing management of an Oracle Fusion Applications installation.

An architect's and developer's guide to orchestrating web services using BPEL4WS. This book is a comprehensive guide to the usage and syntax of the Business Process Execution Language for Web Services (BPEL4WS). Two major BPEL4WS servers, the Oracle BPEL Process Manager and Microsoft BizTalk Server 2004 are covered in detail, and an overview of other major BPEL4WS servers is provided. The book contains practical examples on using BPEL4WS. Web services provide the basic technical platform required for application interoperability. They do not, however, provide higher level control, such as which web services need to be invoked, which operations should be called and in what sequence. Nor do they provide ways to describe the semantics of interfaces, the workflows, or e-business processes. BEPL is the missing link to assemble and integrate web services into a real business process. BPEL4WS standardizes process automation between web services. This applies both within the enterprise, where BPEL4WS is used to integrate previously isolated systems, and between enterprises, where BPEL4WS enables easier and more effective integration with business partners. This book provides detailed coverage of BPEL4WS, its syntax, and where and how it is used. The book begins with an overview of web services, showing both the foundation of, and the need for, BPEL. The web services orchestration stack is explained, including standards such as WS-Security, WS-Coordination, WS-Transaction, WS-Addressing, and others. The BPEL language itself is explained in detail, with Code snippets and complete examples illustrating both its syntax and typical construction. Having covered BPEL itself, the book then goes on to show BPEL is used in context. by providing an overview of major BPEL4WS servers. It covers the Oracle BPEL Process Manager and Microsoft BizTalk Server 2004 in detail, and shows how to write BPEL4WS solutions using these servers. The book features: specification of business processes in BPEL4WS, BPEL4WS and its relation to other standards, comprehensive coverage of the BPEL4WS syntax with examples, orchestrating web services using BPEL4WS, explanation of advanced BPEL4WS features such as compensation, concurrency, links, scopes, events, correlations, etc., the Oracle BPEL4WS Process Manager and BPEL Designer, using Microsoft BizTalk Server 2004 as a BPEL4WS server, the web services orchestration stack The book blends a broad architectural view with the detailed coverage of syntax and practical implementation required for working with BPEL This book covers the BPEL4WS standard and two BPEL4WS servers - the Oracle BPEL4WS Process Manager and Microsoft BizTalk Server 2004. It

provides comprehensive coverage of the BPEL4WS syntax and shows how to use BPEL4WS by examples. The book prepares for the coverage of the BPEL4WS standard and servers with a chapter on the web services orchestration stack. This book aimed at technical architects and developers in the technical design phase of advanced e-business solutions dealing with the issues of orchestration, transactions, coordination, and security. The book presumes knowledge of XML and web services (SOAP, WSDL, UDDI), Web services development (either on J2EE or .NET), and Multi-tier architectures.

The core idea for this book is the use of operative verbs as tools for designing space. These operative verbs abstract the idea of spatial formation to its most basic terms, allowing for an objective approach to create the foundation for subjective spatial design. Examples of these verbs are expand, inflate, nest, wist, lift, embed, merge and many more. Together they form a visual dictionary decoding the syntax of spatial verbs. The verbs are illustrated with three-dimensional diagrams and pictures of designs which show the verbs 'in action'. This approach was devised, tested, and applied to architectural studio instruction by Anthony Di Mari and Nora Yoo while teaching at Harvard University's Career Discovery Program in Architecture in 2010. As instructors and as recent graduates, they saw a need for this kind of catalogue from both sides - as a reference manual applicable to design students in all stages of their studies, as well as a teaching tool for instructors to help students understand the strong spatial potential of abstract operations.

"Focuses on the technology innovations that may help in building virtual businesses and making existing businesses smarter and efficient in their operations. Intended to help key decision makers understand more about introducing new technologies into businesses"--

Getting Started with Oracle WebLogic Server 12c is a fast-paced and feature-packed book, designed to get you working with Java EE 6, JDK 7 and Oracle WebLogic Server 12c straight away, so start developing your own applications. Getting Started with Oracle WebLogic Server 12c: Developer's Guide is written for developers who are just getting started, or who have some experience, with Java EE who want to learn how to develop for and use Oracle WebLogic Server. Getting Started with Oracle WebLogic Server 12c: Developer's Guide also provides a great overview of the updated features of the 12c release, and how it integrates Java EE 6 and JDK 7 to remove boilerplate code.

This hands-on, example-driven guide is a practical getting started tutorial with plenty of step-by-step instructions for beginner to intermediate level readers working with BPEL PM in Oracle SOA Suite. Written for SOA developers, administrators, architects, and engineers who want to get started with Oracle BPEL PM 11g. No previous experience with BPEL PM is required, but an understanding of SOA and web services is assumed. This cookbook is full of immediately useable recipes showing you how to develop service and message-oriented (integration) applications on the Oracle Service Bus. In addition to its cookbook style, which ensures the solutions are presented in a clear step-by-step manner, the explanations go into great detail, which makes it good learning material for everyone who has experience in OSB and wants to improve. Most of the recipes are designed in such a way that each recipe is presented as a separate, standalone entity and reading of prior recipes is not required. The finished solution of each recipe is also made available electronically. If you are an intermediate SOA developer who is using Oracle Service Bus to develop service and message-orientated

applications on the Oracle Service Bus, then this book is for you. This book assumes that you have a working knowledge of fundamental SOA concepts and Oracle Service Bus.

An updated guide for an updated certification exam! As the most popular database software in the world, OracleDatabase 12c has been updated for the first time in nearly sixyears and the changes are significant. This study guide reviews howOracle 12c allows multiple instances to be used simultaneously via the cloud. You'll sharpen your skills to prepare for the threelevels of certification: Oracle Certified Associate, OracleCertified Professional, and Oracle Certified Master. Workbookexercise appendix, test engine, chapter review questions,electronic flashcards, searchable PDF glossary, and two bonuspractice exams all help to enhance your preparation to take theOracle 12c exam. Addresses such topics as: database architecture, configuringand recoverability, configuring backup specifications, andperforming user-managed backup and recovery Reviews how to use RMAN to create backups, perform recovery,and duplicate a database Looks at performing tablespace point-in-time recovery and usingflashback technology Covers diagnosing the database, managing memory, managingresources, and automating tasks Focusing 100 percent on the exam objectives, OCP: OracleDatabase 12c Administrator Certified Professional Study Guideis designed for those who feel they are ready to attempt thischallenging exam. The Practical, Authoritative, 360-Degree Technical Guide to Oracle Exadata: From Setup to Administration, Optimization, Tuning, and Troubleshooting The blazingly fast Oracle Exadata Database Machine is being embraced by thousands of large-scale users worldwide: by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme performance. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. Covering both 11g and 12c versions of Oracle Exadata software, they deliver hands-on coverage of best practices, setup, migration, monitoring, administration, performance tuning, and troubleshooting. Whether you're an Oracle Exadata DBA, DMA, architect, or manager, you need these insights. Get a 360-degree overview of the Oracle Exadata Database Machine Efficiently deploy RAC within the Oracle Exadata ecosystem Fully leverage Storage Cell's extraordinary performance, via Offloading, Smart Scans, and Hybrid Columnar Compression Manage Exadata with OEM 12c: perform setup, configuration, asset/target discovery, and day-to-day administration Tune Oracle Exadata for even better performance Perform Exadata Backup/Recovery/DR with RMAN and Data Guard Migrate to Oracle Exadata from other platforms Use Oracle Exadata with the ZFS Storage Appliance Consolidate within the Exadata Database Cloud "[An] anthology of best practice in administrating WebLogic 12c, large-scale deployments, performance-tuning tools, the merged JVM, node manager, using JMX with your own applications, stuck threads, JDBC myths, effectively detecting memory leaks, Java EE examples, Oracle Fusion Middleware and WebLogic in the Could without the hype"--Page 4 of cover.

Master Oracle Business Process Management Suite 11g Written by Oracle business process management experts, Oracle Business Process Management Suite 11g

Handbook is a balanced combination of essential BPM concepts, best practices, and a detailed treatment of all the powerful features and functionalities of Oracle BPM Suite 11g. The book explains how to plan, develop, and deploy process-based business applications and enable enterprise-wide continuous process improvement. Implement successful BPM projects with help from this Oracle Press guide. Understand the architecture and functionalities of Oracle BPM Suite 11g Master BPMN 2.0 for business process modeling and implementation Address agility, business control, and transparency requirements with Oracle Business Rules 11g Develop rich interfaces with Oracle Application Development Framework (Oracle ADF) Work with the human task component of Oracle BPM 11g Plan a BPM initiative using the Oracle roadmap approach Apply the Oracle process engineering method to identify, select, define, and refine appropriate processes Implement a business process application using proven technical design and project delivery strategies

A guide to everything an Oracle SOA Suite 12c administrator needs to hit the ground running About This Book Understand core administrative tasks such as deployments, purging, startup and shutdown, configuration, and backup and recovery Manage, monitor, and troubleshoot SOA composites and OSB services Follow step-by-step instructions to easily and quickly install a highly available two-node cluster Who This Book Is For With topic areas ranging from the simple to the complex, this book is intended for novice, mid-level, and experienced administrators of the Oracle SOA Suite 12c platform as well as Oracle WebLogic Server and Oracle Database administrators interested in diving into the product. What You Will Learn Navigate Oracle Enterprise Manager Fusion Middleware Control Monitor and manage the Oracle SOA Suite 12 c infrastructure Deploy and promote code Monitor and manage services Configure and administer the environment Manage the dehydration store and enterprise scheduler service Troubleshoot Oracle SOA Suite 12c infrastructure Set up backups, recovery, and high availability In Detail Oracle SOA Suite 12 c is the most comprehensive and integrated infrastructure on the market today that is used for building applications based on service-oriented architecture. With the vast number of features and capabilities that Oracle SOA Suite 12c has to offer comes numerous complexities and challenges for administration. Oracle SOA Suite 12c Administrator's Guide covers all the core areas of administration needed for you to effectively manage and monitor the Oracle SOA Suite environment and its transactions, from deployments, to monitoring, to performance tuning, and much, much more. Manage, monitor, and troubleshoot SOA composites and OSB services from a single product set. Understand core administrative activities such as deployments, purging, startup and shutdown, configuration, backup, and recovery. Also learn about new features such as Oracle Enterprise Scheduler, lazy loading, work manager groups, high availability, and more. Style and approach Presented in a reference guide format where chapters can be read in any sequence, this book explains the core concepts while providing real-world implementation specifics, detailing the what, why, and how of all the administration-related activities that involve Oracle SOA Suite 12c. We take a step-by-step approach and offers tips, instructions, and examples that you can easily follow and execute.

A one-of-a-kind guide to setting up a malware research lab, using cutting-edge analysis tools, and reporting the findings Advanced Malware Analysis is a critical resource for every information security professional's anti-malware arsenal. The proven

troubleshooting techniques will give an edge to information security professionals whose job involves detecting, decoding, and reporting on malware. After explaining malware architecture and how it operates, the book describes how to create and configure a state-of-the-art malware research lab and gather samples for analysis. Then, you'll learn how to use dozens of malware analysis tools, organize data, and create metrics-rich reports. A crucial tool for combatting malware—which currently hits each second globally Filled with undocumented methods for customizing dozens of analysis software tools for very specific uses Leads you through a malware blueprint first, then lab setup, and finally analysis and reporting activities Every tool explained in this book is available in every country around the world

This book is an invaluable resource if you are an Enterprise architect, solution architect, developer, process analyst, or application functional and technical consultant who uses Business Process Management and BPMN to model and implement Enterprise IT applications, SaaS, and cloud applications.

Get Started with Oracle Fusion Development Written by a Group Product Manager at Oracle, this Oracle Press guide gets you up and running quickly with your first Oracle Fusion applications. Quick Start Guide to Oracle Fusion Development provides only the essential information you need to build applications in a matter of hours. Rapidly learn the building blocks and functionality you'll use most of the time. The progression of topics closely matches the application building process, taking you through a typical developer scenario from start to completion. Quick Start Guide to Oracle Fusion Development features Concise and friendly format providing the essentials needed to start building applications right away Chapters that build on each other to illustrate a typical development scenario from start to finish Unique author insights gained from hours of one-on-one meetings with customers and work in Oracle's usability labs The perfect entry point to Oracle Fusion development Introduction to Fusion and the Fusion Technologies; Introduction to JDeveloper and Oracle ADF; Finding your Way Around JDeveloper; Building Business Services; Introducing ADF Business Components; The Role of the Entity; A View of your Data – The View Object; The Application Module; Implementing Business Service Validation; More View Object Features; Building the User Interface; Introducing ADF Face Rich Client; ADF Model; Building Typical ADF Pages; Building Application Flow; Menus, Toolbars and Buttons; Advanced UI Techniques; Data Visualization and Other Rich UI Components; Application Look and Feel; Common Coding Patterns; Common Business Service Coding Examples; Common View Coding Examples

Selecting the right architecture enables organizations to deliver a successful business solution that can boost customer engagement and growth. With this comprehensive guide, you'll learn architectural best practices and methodologies for implementing an enterprise-grade solution tailored for your business needs using Microsoft Power Platform

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.

"Cowritten by members of Oracle's big data team, [this book] provides complete coverage of Oracle's comprehensive, integrated set of products for acquiring, organizing, analyzing, and leveraging unstructured data. The book discusses the strategies and technologies essential for a successful big data implementation, including Apache Hadoop, Oracle Big Data Appliance, Oracle Big Data Connectors, Oracle NoSQL Database, Oracle Endeca, Oracle Advanced Analytics, and Oracle's open source R offerings"--Page 4 of cover.

This book covers all the pertinent aspects of administrating Oracle Applications-from installation to day-to-day maintenance. It covers upgrading, cloning, patching, maintenance and troubleshooting of the application system. Embellished with over 350 screenshots and illustrations, it helps in administrating complex Oracle Database in an easy-to-navigate format.

How can you realize MySQL's full power? With High Performance MySQL, you'll learn advanced techniques for everything from choosing the right abstraction layer for databases to designing schemas, indexes, and queries to tuning your server, operating system, and hardware to achieve their full potential. This guide also teaches database administrators safe and practical ways to scale applications through replication, load balancing, high availability, and failover. Updated to reflect recent advances in cloud- and self-hosted MySQL, InnoDB performance, features, and tools, this revised edition helps you design a data platform that will scale with your business. You'll learn the

latest in cloud-hosted MySQL offerings, best practices for database security, and hard-earned lessons in both performance and database stability. Dive into MySQL's architecture, including key facts about its storage engines Learn how server configuration works with your hardware and deployment choices Make query performance part of your software delivery process Examine enhancements to MySQL's replication and high availability Compare different MySQL offerings in managed cloud environments Explore MySQL's full stack optimization from application-side configuration to server tuning Turn traditional database management tasks into automated processes

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.

This book is written in simple, easy to understand format with lots of screenshots and step-by-step explanations. If you are a BPM developer, looking to develop robust BPM solutions without impediments, then this is the best guide for you. This book assumes that you have a fundamental knowledge of BPM.

Oracle SOA Suite 12c Handbook McGraw Hill Professional

There are hundreds--if not thousands--of techniques used to compromise both Windows and Unix-based systems. Malicious code and new exploit scripts are released on a daily basis, and each evolution becomes more and more sophisticated. Keeping up with the myriad of systems used by hackers in the wild is a formidable task, and scrambling to patch each potential vulnerability or address each new attack one-by-one is a bit like emptying the Atlantic with paper cup. If you're a network administrator, the pressure is on you to defend your systems from attack. But short of devoting your life to becoming a security expert, what can you do to ensure the safety of your mission critical systems? Where do you start? Using the steps laid out by professional security analysts and consultants to identify and assess risks, Network Security Assessment offers an efficient testing model that an administrator can adopt, refine, and reuse to create proactive defensive strategies to protect their systems from the threats that are out there, as well as those still being developed. This thorough and insightful guide covers offensive technologies by grouping and analyzing them at a higher level--from both an offensive and defensive standpoint--helping administrators design and deploy networks that are immune to offensive exploits, tools, and scripts. Network administrators who need to develop and implement a security assessment program will find everything they're looking for--a proven, expert-tested methodology on which to base their own comprehensive program--in this time-saving new book.

Companies worldwide are rapidly adopting Service-Oriented Architecture (SOA), a design methodology used to connect systems as services, and Business Process Management (BPM), the art of orchestrating these services. Media organizations from news organizations to music and media download services to movie studios are adapting to SOA-style architectures, but have run into roadblocks unique to the media and entertainment industry. These challenges include incorporating real-time data, moving large amounts of data at one time, non-linearity and flexibility for workflow, and unique metrics and data gathering. The Service-Oriented Media Enterprise details the challenges and presents solutions for media technology professionals. By addressing both the IT and media aspects, it helps individuals improve current enterprise technologies and operations.

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