

Instant Apache Servicemix How To Henryk Konsek

Singapore is one of the world's most open economies, with the size of its trade reaching about 350 percent of its GDP. With the rise of highly diversified cross-border production networks, Singapore has come to play an integral role in the global supply chain with heavy reliance on foreign contents in its exports and production. It has also successfully moved up the value chain, exporting goods with high sophistication and economic complexity. Against this backdrop, in this paper, using disaggregate industry/product level trade data, we revisit Singapore's export elasticities and find that growing participation in global production chains and rising export complexity are important determinants.

This book analyzes the latest advances in privacy, security and risk technologies within cloud environments. With contributions from leading experts, the text presents both a solid overview of the field and novel, cutting-edge research. A Glossary is also included at the end of the book. Topics and features: considers the various forensic challenges for legal access to data in a cloud computing environment; discusses privacy impact assessments for the cloud, and examines the use of cloud audits to attenuate cloud security problems; reviews conceptual issues, basic requirements and practical suggestions for provisioning dynamically configured access control services in the cloud; proposes scoped invariants as a primitive for analyzing a cloud server for its integrity properties; investigates the applicability of existing controls for mitigating information security risks to cloud computing environments; describes risk management for cloud computing from an enterprise perspective.

Enhance your Solr indexing experience with advanced techniques and the built-in

functionalities available in Apache Solr About This Book Learn about distributed indexing and real-time optimization to change index data on fly Index data from various sources and web crawlers using built-in analyzers and tokenizers This step-by-step guide is packed with real-life examples on indexing data Who This Book Is For This book is for developers who want to increase their experience of indexing in Solr by learning about the various index handlers, analyzers, and methods available in Solr. Beginner level Solr development skills are expected. What You Will Learn Get to know the basic features of Solr indexing and the analyzers/tokenizers available Index XML/JSON data in Solr using the HTTP Post tool and CURL command Work with Data Import Handler to index data from a database Use Apache Tika with Solr to index word documents, PDFs, and much more Utilize Apache Nutch and Solr integration to index crawled data from web pages Update indexes in real-time data feeds Discover techniques to index multi-language and distributed data in Solr Combine the various indexing techniques into a real-life working example of an online shopping web application In Detail Apache Solr is a widely used, open source enterprise search server that delivers powerful indexing and searching features. These features help fetch relevant information from various sources and documentation. Solr also combines with other open source tools such as Apache Tika and Apache Nutch to provide more powerful features. This fast-paced guide starts by helping you set up Solr and get acquainted with its basic building blocks, to give you a better understanding of Solr indexing. You'll quickly move on to indexing text and boosting the indexing time. Next, you'll focus on basic indexing techniques, various index handlers designed to modify documents, and indexing a structured data source through Data Import Handler. Moving on, you will learn techniques to perform real-time indexing and atomic updates, as well

as more advanced indexing techniques such as de-duplication. Later on, we'll help you set up a cluster of Solr servers that combine fault tolerance and high availability. You will also gain insights into working scenarios of different aspects of Solr and how to use Solr with e-commerce data. By the end of the book, you will be competent and confident working with indexing and will have a good knowledge base to efficiently program elements. Style and approach This fast-paced guide is packed with examples that are written in an easy-to-follow style, and are accompanied by detailed explanation. Working examples are included to help you get better results for your applications.

Is the Apache ServiceMix scope manageable? Does Apache ServiceMix analysis show the relationships among important Apache ServiceMix factors? What are the revised rough estimates of the financial savings/opportunity for Apache ServiceMix improvements? How do we keep improving Apache ServiceMix? What are your key Apache ServiceMix organizational performance measures, including key short and longer-term financial measures? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who

asks the right questions to make Apache ServiceMix investments work better. This Apache ServiceMix All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Apache ServiceMix Self-Assessment. Featuring new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Apache ServiceMix improvements can be made. In using the questions you will be better able to: - diagnose Apache ServiceMix projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Apache ServiceMix and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Apache ServiceMix Scorecard, you will develop a clear picture of which Apache ServiceMix areas need attention. Your purchase includes access details to the Apache ServiceMix self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.

Over 90 recipes to gain the critical skills needed to deploy and manage OpenDaylight-based solutions About This Book This book will help you to build intelligent SDN networks that save your company time, money, and resources From eminent authors, learn to address real-world challenges and troubleshoot day-to-day scalability and performance problems faced in OpenDayLight deployments This is the only book that offers you quick fixes to create your own branded OpenDaylight Who This Book Is For This book is for experienced network administrators and IT professionals who are using or deploying SDN/OpenDaylight and are

looking to gain expertise in building SDN solutions for organizations. What You Will Learn

- Grasp the fundamentals of OpenDaylight
- Customize, authenticate, & authorize in OpenDaylight
- Analyse network access control and policy
- Manage datacenter optimization
- Integrate OpenDaylight with third-party frameworks
- Deploy, configure, and tune OpenDaylight-based solutions

In Detail OpenDaylight is an open source platform to program and build Software-Defined Networks (SDN). Its aim is to accelerate the adoption of SDN and NFV. With above 90 practical recipes, this book will help you to solve day-to-day problems and maintenance tasks surrounding OpenDaylight's implementation. This book starts with the OpenDaylight fundamentals. In this book, you will gain a sound understanding of the methods and techniques when deploying OpenDaylight in production environment. Later on, you will learn to create a Service Chain using SFC. This book will address common problems and day-to-day maintenance tasks with OpenDaylight. We'll also will teach you how to interact with OpenDaylight APIs and use the necessary tools to simulate networks. You will also explore how to create your own branded OpenDaylight along with authorising and authenticating users using OpenDaylight Identity Manager. By the end of this book, you will have the necessary skills to operate an OpenDaylight SDN environment. Style and approach With a diverse range of topics, this will be a guide which will help the readers gain the necessary skills needed to deploy and operate OpenDaylight in your organisation through practical recipes.

Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft

BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

This book will provide you with the skills you need to efficiently create routes using Apache Camel. After briefly introducing the key features and core concepts of Camel, the book will take you through all the important features and components, starting with routing and processors. You will learn how to use beans in Camel routes, covering everything from supported registries and annotations, to the creation of an OSGi bundle and writing route definitions with Blueprint DSL. Leverage the Enterprise Integration Patterns (EIPs) supported by Camel and implement them in your routes. You will then see how components and endpoints handle exchanges in Camel, and how you can use them to create a complete and powerful mediation framework. You will finally learn how to tackle errors and perform testing to ensure that your integration projects are working successfully.

Instant Apache ServiceMix How-to

Filled with practical, step-by-step instructions and clear explanations for the most

important and useful tasks. This is a Packt Instant How-to guide, which provides concise and practical recipes to help you get started writing applications with ActiveMQ using practical examples. Instant ActiveMQ Application Development How-to is for the developers who are new to Java Message Service application development or new to JMS development using ActiveMQ. Readers will come away ready to solve complicated messaging related problems using the JMS API and ActiveMQ.

This book is written in a Cookbook style with short recipes showing developers how to effectively implement EIP without breaking everything in the process. It is concise and to the point, and it helps developers get their data flowing between different components without the need to read through page upon page of theory, while also enabling the reader to learn how to create exciting new projects.

Camel Enterprise Integration Cookbook is intended for developers who have some familiarity with Apache Camel and who want a quick lookup reference to practical, proven tips on how to perform common tasks. Every recipe also includes a summary and reference pointers for more details that make it easy for you to get a deeper understanding of the Apache Camel capabilities that you will use day to day.

Liferay Portal is the leading open-source enterprise portal framework that uses

Java and Web 2.0 technologies. Web portals often function as a point of access to information on the World Wide Web. Web portals, such as Yahoo!, present information from diverse sources in a unified way. Aside from the search engine standard, web portals offer other services such as e-mail, news, stock prices, infotainment, and various other features. Portals provide a means for enterprises to supply a consistent look and feel with access control and procedures for multiple applications that otherwise would have been separate entities altogether. So, how do developers bring existing applications, as well as integrate content management systems and search engines, into a portal? And how do developers get started with the Liferay Portal engine? In *Practical Liferay: Java-based Portal Applications Development*, Dr. Poornachandra Sarang answers these questions and more. This book is for those who want to learn how to use Liferay to develop vertical or company-specific web portals and beyond. The book will serve as a practical guide to learning Liferay and developing real-world web portals. Would you like to use a consistent visual notation for drawing integration solutions? "Look inside the front cover." Do you want to harness the power of asynchronous systems without getting caught in the pitfalls? "See "Thinking Asynchronously" in the Introduction." Do you want to know which style of application integration is best for your purposes? "See Chapter 2, Integration

Styles." Do you want to learn techniques for processing messages concurrently? "See Chapter 10, Competing Consumers and Message Dispatcher." Do you want to learn how you can track asynchronous messages as they flow across distributed systems? "See Chapter 11, Message History and Message Store." Do you want to understand how a system designed using integration patterns can be implemented using Java Web services, .NET message queuing, and a TIBCO-based publish-subscribe architecture? "See Chapter 9, Interlude: Composed Messaging." Utilizing years of practical experience, seasoned experts Gregor Hohpe and Bobby Woolf show how asynchronous messaging has proven to be the best strategy for enterprise integration success. However, building and deploying messaging solutions presents a number of problems for developers. "Enterprise Integration Patterns" provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book

provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

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This book describes the landscape of cloud computing from first principles, leading the reader step-by-step through the process of building and configuring a cloud environment. The book not only considers the technologies for designing and creating cloud computing platforms, but also the business models and frameworks in real-world implementation of cloud platforms. Emphasis is placed on “learning by doing,” and readers are encouraged to experiment with a range of different tools and approaches. Topics and features: includes review questions, hands-on exercises, study activities and discussion topics throughout the text; demonstrates the approaches used to build cloud computing infrastructures; reviews the social, economic, and political aspects of the on-

going growth in cloud computing use; discusses legal and security concerns in cloud computing; examines techniques for the appraisal of financial investment into cloud computing; identifies areas for further research within this rapidly-moving field.

Address the most common integration challenges, by understanding the ins and outs of the choices and exemplifying the solutions with practical examples on how to create cloud native applications using Apache Camel. Camel will be our main tool, but we will also see some complementary tools and plugins that can make our development and testing easier, such as Quarkus, and tools for more specific use cases, such as Apache Kafka and Keycloak. You will learn to connect with databases, create REST APIs, transform data, connect with message oriented software (MOMs), secure your services, and test using Camel. You will also learn software architecture patterns for integration and how to leverage container platforms, such as Kubernetes. This book is suitable for those who are eager to learn an integration tool that fits the Kubernetes world, and who want to explore the integration challenges that can be solved using containers.

What You Will Learn Focus on how to solve integration challenges Understand the basics of the Quarkus as it's the foundation for the application Acquire a comprehensive view on Apache Camel Deploy an application in Kubernetes

Follow good practices Who This Book Is For Java developers looking to learn Apache Camel; Apache Camel developers looking to learn more about Kubernetes deployments; software architects looking to study integration patterns for Kubernetes based systems; system administrators (operations teams) looking to get a better understand of how technologies are integrated.

Implement JPA repositories and harness the performance of Redis in your applications.

When you need quick answers for developing or debugging Java programs, this pocket guide provides a handy reference to standard features of the Java programming language and its platform. You'll find helpful programming examples, tables, figures, and lists, as well as Java 8 features such as Lambda Expressions and the Date and Time API. It's an ideal companion, whether you're in the office, in the lab, or on the road. This book also provides material to help you prepare for the Oracle Certified Associate Java Programmer exam.

Quickly find Java language details, such as naming conventions, types, statements and blocks, and object-oriented programming Get details on the Java SE platform, including development basics, memory management, concurrency, and generics Browse through information on basic input/output, NIO 2.0, the Java collections framework, and the Java Scripting API Get supplemental

references to fluent APIs, third-party tools, and basics of the Unified Modeling Language (UML)

Cybersecurity and Privacy issues are becoming an important barrier for a trusted and dependable global digital society development. In this context, new holistic approaches, methodologies, techniques and tools are needed to cope with those issues, and mitigate cyberattacks

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. Practical, step-by-step, recipe-based approach. This publication is dedicated to Java software engineers interested in messaging solutions and system integration. The book assumes that you already know the Java programming language and the basics of the OSGI specification. The book focuses on deployment issues related to the latter technologies and possible solutions to them based on the ServiceMix container.

This book provides a quick start in developing web services using the open source Apache CXF framework. Each chapter uses illustrations from an Order Processing Application and all the code examples are built using the ANT tool. These practical, simple, and easy-to-work-with illustrations are accompanied by step-by-step instructions. As a developer you can take advantage of these practical scenarios to understand the CXF framework and also make use of them

in real-life applications. After reading this book, you will be able to develop and deploy services using the CXF framework. This book is for developers who want to design and develop SOAP and RESTful services using Apache CXF framework and leverage various CXF features for service development. It is ideal for developers who have some experience in Java application development as well as some basic knowledge of web services, but it covers some of the basic fundamentals of web services and REST to get you acquainted with these technologies before using these concepts to develop services using the CXF framework.

This book is intended for developers who have some familiarity with Apache Karaf and who want a quick reference for practical, proven tips on how to perform common tasks such as configuring Pax modules deployed in Apache Karaf, Extending HttpService with Apache Karaf. You should have working knowledge of Apache karaf, as the book provides a deeper understanding of the capabilities of Apache Karaf.

Using a practical approach with explanation where needed, the book will take an in depth look at what OSGi is and what it offers to Java programmers and development standards. "OSGi Starter" is intended for the senior Java programmer whom will be joining OSGi based projects, or for Architects looking

to broaden their exposure to OSGi as a beneficial framework and runtime software system.

Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure, scale, cluster, deploy, and monitor your Camel applications. The book also discusses how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel

microservices with Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada. Table of Contents Part 1 - First steps Meeting Camel Routing with Camel Part 2 - Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 - Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 - Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at <https://www.manning.com/books/camel-in-?action-second-edition> and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

A step-by-step tutorial, targeting the Liferay 6.2 version. This book takes a step-by-step approach to customizing the look and feel of your website, and shows you how to build a great looking user interface as well. "Liferay 6.2 User Interface Development" is for anyone who is interested in the Liferay Portal. It contains text that explicitly introduces you to the Liferay Portal. You will benefit most from this book if you have Java programming experience and have coded servlets or JavaServer Pages before. Experienced Liferay portal developers will also find this book useful because it explains the latest technologies used in the Liferay Portal. This book is a good reference for Liferay architects as the book also explains different technologies for portlet development and their strong and weak points.

Any time you need quick answers for developing or debugging Java programs, this pocket guide is the ideal reference to standard features of the Java programming language and its platform. You'll find helpful programming examples, tables, figures, and lists fast—including Java 9 features such as modular source code and the new JShell interactive command-line REPL. It's a handy companion, whether you're in the office, in the lab, or on the road. This book also provides material to help you prepare for the Oracle Certified Associate Java Programmer exam. Quickly find Java language details, such as naming

conventions, types, statements and blocks, and object-oriented programming Get details on the Java SE platform, including development basics, memory management, concurrency, and generics Use new features in Java 9, including modular source code and JShell Browse through information on basic input/output, NIO 2.0, the Java collections framework, and the Java Scripting API Get supplemental references to fluent APIs, third-party tools, and basics of the Unified Modeling Language (UML)

This book is a tutorial written with a step-by-step approach to help you implement an optimum clustering solution in Apache Karaf Cellar quickly and efficiently. If you are new to Karaf and want to install and manage multiple Karaf instances by farming or clustering, then this book is for you. If you are a Java developer or a system administrator with basic knowledge of Karaf, you can use this book as a guide. Some background knowledge of OSGi and/or Karaf would be preferred but is not mandatory. The book is a fast-paced guide full of step-by-step instructions covering all aspects of application development using Apache Karaf. Learning Apache Karaf will benefit all Java developers and system administrators who need to develop for and/or operate Karaf's OSGi-based runtime. Basic knowledge of Java is assumed.

The way developers design, build, and run software has changed significantly with the evolution of microservices and containers. These modern architectures use new primitives that require a different set of practices than most developers, tech leads, and

architects are accustomed to. With this focused guide, Bilgin Ibryam and Roland Huß from Red Hat provide common reusable elements, patterns, principles, and practices for designing and implementing cloud-native applications on Kubernetes. Each pattern includes a description of the problem and a proposed solution with Kubernetes specifics. Many patterns are also backed by concrete code examples. This book is ideal for developers already familiar with basic Kubernetes concepts who want to learn common cloud native patterns. You'll learn about the following pattern categories: Foundational patterns cover the core principles and practices for building container-based cloud-native applications. Behavioral patterns explore finer-grained concepts for managing various types of container and platform interactions. Structural patterns help you organize containers within a pod, the atom of the Kubernetes platform. Configuration patterns provide insight into how application configurations can be handled in Kubernetes. Advanced patterns covers more advanced topics such as extending the platform with operators.

This book constitutes the refereed proceedings of the 6th International IFIP WG 2.13 Conference on Open Source Systems, OSS 2010, held in Notre Dame, IN, USA, in May/June 2010. The 23 revised full papers presented together with 17 short papers, 5 workshop abstracts and 4 panel descriptions were carefully reviewed and selected from 51 submissions. The papers reflect the international communities of active OSS researchers and present a broad range of perspectives on open source systems

ranging from software engineering through organizational issues to law. Applications in enterprises need to communicate, most commonly done by messaging. Apache ActiveMQ is an open-source implementation of the Java Message Service (JMS), which provides messaging in Java applications. ActiveMQ in Action is a thorough, practical guide to implementing message-oriented systems using ActiveMQ and Java. Co-authored by one of the leading ActiveMQ developers, Bruce Snyder, the book starts with the anatomy of a core Java message, then moves quickly through fundamentals including data persistence, authentication and authorization. Later chapters cover advanced features such as configuration and performance tuning, illustrating each concept with a running real-world stock portfolio application. Readers will learn to integrate ActiveMQ with Apache Geronimo and JBoss, and tie into both Java and non-Java technologies including AJAX, .NET, C++, Ruby, and the Spring framework. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

This book focuses on teaching by example. Every chapter provides an overview, and then dives right into hands-on examples so you can see and play with the solution in your own environment. This book is for Java developers who don't need any prior experience with Liferay portal. Although Liferay portal makes heavy use of open source frameworks, no prior experience of using these is assumed.

Summary Mule in Action, Second Edition is a totally-revised guide covering Mule 3

fundamentals and best practices. It starts with a quick ESB overview and then dives into rich examples covering core concepts like sending, receiving, routing, and transforming data. About the Technology An enterprise service bus is a way to integrate enterprise applications using a bus-like infrastructure. Mule is the leading open source Java ESB. It borrows from the Hohpe/Woolf patterns, is lightweight, can publish REST and SOAP services, integrates well with Spring, is customizable, scales well, and is cloud-ready. About the Book Mule in Action, Second Edition is a totally revised guide covering Mule 3 fundamentals and best practices. It starts with a quick ESB overview and then dives into rich examples covering core concepts like sending, receiving, routing, and transforming data. You'll get a close look at Mule's standard components and how to roll out custom ones. You'll also pick up techniques for testing, performance tuning, and BPM orchestration, and explore cloud API integration for SaaS applications. Written for developers, architects, and IT managers, this book requires familiarity with Java but no previous exposure to Mule or other ESBs. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Full coverage of Mule 3 Integration with cloud services Common transports, routers, and transformers Security, routing, orchestration, and transactions About the Authors David Dossot is a software architect and has created numerous modules and transports for Mule. John D'Emic is a principal solutions architect and Victor Romero a solutions architect, both at MuleSoft, Inc. Table of Contents PART 1

CORE MULE Discovering Mule Processing messages with Mule Working with connectors Transforming data with Mule Routing data with Mule Working with components and patterns PART 2 RUNNING MULE Integration architecture with Mule Deploying Mule Exception handling and transaction management with Mule Securing Mule Tuning Mule PART 3 TRAVELING FURTHER WITH MULE Developing with Mule Writing custom cloud connectors and processors Augmenting Mule with orthogonal technologies

A practical guide to adopting portal development best practices in an Enterprise world About This Book Discover the new features and updates in Liferay including the concept of CMS, and collaboration applications with relevant examples and screenshots Set up the navigation structure for the Enterprise intranet Full of illustrations, diagrams, clear step-by-step instructions, and practical examples to show you the integration between different applications such as LDAP, SSO, and Liferay Social Office Who This Book Is For This book is for anyone who is interested in the Liferay Intranet Portal. This book is for both beginners and more experienced portal developers who need to create an enterprise intranet portal for their business. It will be handy for IT professionals who know the basics of how the portal technology works and need to integrate different open source technologies. What You Will Learn Be introduced to the all new features of Liferay 6.2 Understand the different controls/actions to make the portal work for an Enterprise Manage users, organizations,

sites, user groups, and roles and also set up portal permissions Set up a forum and get detailed descriptions of categorization, tagging, and Asset Publisher Enable Wiki to share knowledge among users and create new dynamic data list and poll portlets Handle federated search and OpenSearch and deploy search-based portlets Implement web content management with a different approach in the portal Employ community tools such as invitations, bookmarks, page comments, and page ratings Manage Liferay's document and media portlet In Detail To develop an intranet portal for an Enterprise, Liferay is the only open-source portal development platform that has a high scale graph for the developer to extend any component. It provides high end integration with other applications. By using this book, both beginners and more experienced users will be able to create an intranet portal easily. This book will be your pocket reference to Liferay. It will explain to you the new features of Liferay, including Liferay Sync and the Recycle Bin. It will help you to integrate with other key applications such as LDAP, SSO, and Alfresco 4.x and above. You will be introduced to documents, web content, and image management. You will move onto Liferay Sync's new tool to synchronize documents and media files to the local system. You'll discover the Market Place, the newest feature of Liferay. Liferay Social Office and its integrations are also thoroughly explained. This book is packed with practical examples that will help you to develop an intranet portal quickly and easily. Style and approach Clear step-by-step instructions to develop an intranet portal for Enterprise. It describes new features and updates in

Liferay with clear explanations, and is complete with images, tips, and tricks. Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. A beginner's guide to Apache Camel that walks you through basic operations like installation and setup right through to developing simple applications. This book is a good starting point for Java developers who have to work on an application dealing with various systems and interfaces but who haven't yet started using Enterprise System Buses or Java Business Integration frameworks.

In Zeiten steigenden Wettbewerbsdrucks ist es für Unternehmen essenziell, dass sie Optimierungsmöglichkeiten erkennen und nutzen. Nur so können sie in einem immer härter werdenden Konkurrenzkampf bestehen. Liferay kann Ihnen dabei wertvolle Dienste leisten und ein wichtiger Baustein für den anhaltenden Unternehmenserfolg sein. Die wichtigste Aufgabe der Portal-Umgebung ist es, den Mitarbeitern eine professionelle Arbeitsumgebung zur Verfügung zu stellen. Liferay kann Ihnen z. B. dabei helfen, die Kommunikation innerhalb von Arbeitsgruppen und dem gesamten Unternehmen zu optimieren. Das System stellt einen flexiblen und höchst anpassbaren Rahmen für die jeweiligen Anforderungen bereit, den Sie nur noch an Ihre Bedürfnisse anpassen müssen. Sie können mit Liferay nicht nur die interne Kommunikation optimieren, sondern beliebige Inhalte bereitstellen, Foren aufsetzen und Wikis anlegen. Sie können sogar bestehende OpenOffice- und MS Office-Dokumente in die

Umgebung integrieren und vieles mehr. Das vorliegende Handbuch ebnet Ihnen den Weg für den erfolgreichen Einstieg in das System. Es führt Sie durch die grundlegenden Funktionen und zeigt, wie Sie diese in der Praxis einsetzen.

Use digital experience platforms (DXP) to improve your development productivity and release timelines. Leverage the pre-integrated feature sets of DXPs in your organization's digital transformation journey to quickly develop a personalized, secure, and robust enterprise platform. In this book the authors examine various features of DXPs and provide rich insights into building each layer in a digital platform. Proven best practices are presented with examples for designing and building layers. A special focus is provided on security and quality attributes needed for business-critical enterprise applications. The authors cover modern and emerging digital trends such as Blockchain, IoT, containers, chatbots, artificial intelligence, and more. The book is divided into five parts related to requirements/design, development, security, infrastructure, and case study. The authors employ proven real-world methods, best practices, and security and integration techniques derived from their rich experience. An elaborate digital transformation case study for a banking application is included.

What You'll Learn Develop a digital experience platform from end to end Understand best practices and proven methods for designing overall architecture, user interface and integration components, security, and infrastructure Study real-world cases, including an elaborate digital transformation building an enterprise platform for a

banking application Know the open source tools and technology frameworks that can be used to build DXPs Who This Book Is For Web developers, full stack developers, digital enthusiasts, digital project managers, and architects

The essential guide to modular development with OSGi for the serious application developer Learn something new in an Instant! A short, fast, focused guide delivering immediate results. Learn what can be done with OSGi and what it can bring to your development structure Build your first application and deploy to an OSGi runtime that simplifies your experience Discover an uncomplicated, conversational approach to learning OSGi for building and deploying modular applications In Detail OSGi is a tried and true modularity standard for Java. It has in recent years gained a lot of traction and tooling; becoming frequently used in Enterprise containers and distributed software systems. "Instant OSGi Starter" is where you should start before beginning your first OSGi based project. You'll be exposed to the core concepts, gain practical experience with the most important features, and learn about the basic tenets of modular code practices. This book begins with the fundamental tools needed for building modular applications, top features with basic tenets of modular core practices and provides useful insights into resources and the community. As this book progresses you will be able to get started programming in OSGi whilst looking at the default three layer design so the application will be architected towards modularity and simplicity. Through exploring several tools and technologies and browsing the communities you will be able

to work towards modular programming in OSGi.

The Liferay Portal Administrator's Guide is your complete guide to installing, integrating, configuring, and maintaining Liferay Portal. This comprehensive guide will show you how to install Liferay Portal, configure it for your use, and maintain your Liferay-powered site on a day-to-day basis. From installing a bundle to creating your users; from managing site security to administering message boards; from integrating single sign-on to configuring a Liferay cluster, every aspect of running Liferay Portal is covered.

Since the beginning of mankind on Earth, if the "busyness" process was successful, then some form of benefit sustained it. The fundamentals are obvious: get the right inputs (materials, labor, money, and ideas); transform them into highly demanded, quality outputs; and make it available in time to the end consumer. Illustrating how operations relate to the rest of the organization, Production and Operations Management Systems provides an understanding of the production and operations management (P/OM) functions as well as the processes of goods and service producers. The modular character of the text permits many different journeys through the materials. If you like to start with supply chain management (Chapter 9) and then move on to inventory management (Chapter 5) and then quality management (Chapter 8), you can do so in that order. However, if your focus is product line stability and quick response time to competition, you may prefer to begin with project management

(Chapter 7) to reflect the continuous project mode required for fast redesign rapid response. Slides, lectures, Excel worksheets, and solutions to short and extended problem sets are available on the Downloads / Updates tabs. The project management component of P/OM is no longer an auxiliary aspect of the field. The entire system has to be viewed and understood. The book helps students develop a sense of managerial competence in making decisions in the design, planning, operation, and control of manufacturing, production, and operations systems through examples and case studies. The text uses analytical techniques when necessary to develop critical thinking and to sharpen decision-making skills. It makes production and operations management (P/OM) interesting, even exciting, to those who are embarking on a career that involves business of any kind.

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