

Mulesoft Docs Mule V 3 7 At Master Mulesoft

Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti streamlines the implementation of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. 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. What's Inside Activiti from the ground up Dozens of real-world examples Integrate with standard Java tooling Table of Contents PART 1 INTRODUCING BPMN 2.0 AND ACTIVITI Introducing the Activiti framework BPMN 2.0: what's in it for developers? Introducing the Activiti tool stack Working with the Activiti process engine PART 2 IMPLEMENTING BPMN 2.0 PROCESSES WITH ACTIVITI Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring additional Activiti modules PART 3 ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES? Managing the Activiti Engine

Enterprise Integration Patterns Designing, Building, and Deploying Messaging Solutions Addison-Wesley

Maximize the impact of your assets and business services by providing APIs for developers and other users. The journey described in this book starts with identifying business assets. As part

of the API team, you then need to identify and define the requirements of traffic management, security, mediation, and orchestration. You also must define metrics for the analytics to measure the success of the overall API program. API documentation and the ease of developer onboarding also determine the success of the APIs. Finally, monetization of these APIs leads to revenue generation for the enterprise. Author De – an expert in building and managing API solutions – provides enterprise architects, designers, and technologists with insight into the world of APIs and the various technical aspects of building and managing an effective API management solution. API Management: Developing and Managing APIs for your Organization: Introduces the basics of APIs and highlights their value Provides an overview of technologies for building an API management solution and defines the requirements, including how to build a RESTful API Offers design principles for building developer-friendly APIs Explains how to secure your APIs Shows how to use API analytics to measure the success of your APIs Demonstrates how to monetize APIs Finally, API Management touches on various technical nuances of creating, distributing, and managing an API. This book will not only help you learn how to design, build, deploy, and manage an API for an enterprise scale, but also generate revenue for your organization. What You'll Learn Discover the API life cycle Design and develop APIs Implement API security Test your APIs Deploy and monitor your APIs Who This Book Is For Enterprise architects, technology enthusiasts, security architects, and operations specialists. Organizations spend huge resources in developing software that can perform the way a human does. Image classification, object detection and tracking, pose estimation, facial recognition, and sentiment estimation all play a major role in solving computer vision problems. This book will bring into focus these and other deep learning architectures and techniques to help you create solutions using Keras and the TensorFlow library. You'll also review multiple neural network architectures, including LeNet, AlexNet, VGG, Inception, R-CNN, Fast R-CNN, Faster R-CNN, Mask R-CNN, YOLO, and SqueezeNet and see how they work alongside Python code via best practices, tips, tricks, shortcuts, and pitfalls. All code snippets will be broken down and discussed thoroughly so you can implement the same principles in your respective environments. Computer Vision Using Deep Learning offers a comprehensive yet succinct guide that stitches DL and CV together to automate operations, reduce human intervention, increase capability, and cut the costs. What You'll Learn Examine deep learning code and concepts to apply guiding principals to your own projects Classify and evaluate various architectures to better understand your options in

various use cases Go behind the scenes of basic deep learning functions to find out how they work Who This Book Is For Professional practitioners working in the fields of software engineering and data science. A working knowledge of Python is strongly recommended. Students and innovators working on advanced degrees in areas related to computer vision and Deep Learning.

First International Conference, SmartBlock 2018, Tokyo, Japan, December 10-12, 2018, Proceedings

A Guide to Developing Next-Generation Enterprise Applications

Accelerating Integration with SaaS, Social Media, and Open APIs

Computer Vision Using Deep Learning

Designing, Building, and Deploying Messaging Solutions

Teaching Fractions and Ratios for Understanding

Functional Programming in JavaScript

Master Java EE design pattern implementation to improve your design skills and your application's architecture Professional Java EE Design Patterns is the perfect companion for anyone who wants to work more effectively with Java EE, and the only resource that covers the design and application of design patterns in solving real-world problems. The authors guide readers through both the fundamental and advanced features of Java EE 7, presenting patterns throughout, and demonstrating how they are used in day-to-day problems. As the most popular programming language in community-driven enterprise software, Java EE provides an API and runtime environment that is a superset of Java SE. Written for the junior and experienced Java EE developer seeking to improve design quality and effectiveness, this book covers areas including: Implementation and problem-solving with design patterns Connection between existing Java SE design patterns and new Java EE concepts Harnessing the power of Java EE in design patterns Individually-based focus that fully explores each pattern with war-stories showing how patterns were used in the field to solve real-life problems Unlike most Java EE books that simply offer recipes, this book drives home the implementation of the pattern to real problems to ensure that the reader learns how the pattern is used and to be aware of their pitfalls. For the programmer looking for a comprehensive guide that is actually useful in the event of a problem, Professional Java EE Design Patterns is the definitive resource on the market.

Summary Mule in Action, Second Edition is a totally-revised guide covering Mule 3 fundamentals and best practices. It starts with an 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 source Java ESB. It borrows from the Hohpe/Woolf patterns, is lightweight, can publish REST and SOAP services, integrates with other systems, 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

pick up techniques for testing, performance tuning, and BPM orchestration, and explore cloud API integration for SaaS applications for developers, architects, and IT managers, this book requires familiarity with Java but no previous exposure to Mule or other of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Full coverage of Integration with cloud services Common transports, routers, and transformers Security, routing, orchestration, and transactions Authors David Dossot is a software architect and has created numerous modules and transports for Mule. John D'Emic is a platform 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 Mule patterns PART 2 RUNNING MULE Integration architecture with Mule Deploying Mule Exception handling and transaction management Mule Securing Mule Tuning Mule PART 3 TRAVELING FURTHER WITH MULE Developing with Mule Writing custom cloud connectors processors Augmenting Mule with orthogonal technologies

This second edition of the bestselling Learning XML provides web developers with a concise but grounded understanding of XML (Extensible Markup Language) and its potential-- not just a whirlwind tour of XML. The author explains the important and relevant technologies and their capabilities clearly and succinctly with plenty of real-life projects and useful examples. He outlines the markup--demystifying concepts such as attributes, entities, and namespaces--and provides enough depth and examples to get you started. Learning XML is a reliable source for anyone who needs to know XML, but doesn't want to waste time wading through hundreds of w pages of bloated text. For writers producing XML documents, this book clarifies files and the process of creating them with the structure and format. Designers will learn what parts of XML are most helpful to their team and will get started on creating XML Documents. For programmers, the book makes syntax and structures clear. Learning XML also discusses the stylesheets needed to create documents in the next generation of browsers, databases, and other devices. Learning XML illustrates the core XML concepts and syntax, in addition to important related tools such as the CSS and XSL styling languages and the XLink and XPointer specifications for rich link structures. It includes information about three schema languages for validation: W3C Schema, Schematron, and RELAX NG, which are gaining widespread support from people who need to validate documents but aren't satisfied with DTDs. Also new in this edition is a chapter on XSL-FO, a powerful formatting language for XML. If you need to wade through the acronym soup of XML and start using this powerful tool, Learning XML, will give you the roadmap you need.

NEW YORK TIMES BESTSELLER • The founder and co-CEO of Salesforce delivers an inspiring vision for successful companies of the future—in which changing the world is everyone's business. "The gold standard on how to use business as a platform for change and time."—Ray Dalio, founder of Bridgewater Associates and author of Principles: Life and Work What's the secret to business growth, innovation and a purpose-driven career in a world that is becoming vastly more complicated by the day? According to Marc Benioff, the answer is embracing a culture in which your values permeate everything you do. In Trailblazer, Benioff gives readers a rare behind-the-scenes look at the inner workings of one of the world's most admired companies. He reveals how Salesforce's core values—trust, customer focus, innovation, and equality—and commitment to giving back have become the company's greatest competitive advantage and the

engine of its success. Because no matter what business you're in, Benioff says, values are the bedrock of a resilient company, inspires all employees, at every level, to do the best work of their lives. Along the way, he shares insights and best practices wants to cultivate a company culture positioned to thrive in the face of the inevitable disruption ahead. None of us in the bu afford to sit on the sidelines and ignore what's going on outside the walls of our workplaces. In the future, profits and progr be sustainable unless they serve the greater good. Whether you run a company, lead a small team, or have just draped an ID your neck for the first time, Trailblazer reveals how anyone can become an agent of change. Praise for Trailblazer "A guide for business and organization must do to thrive in this period of profound political and economic change."—Jamie Dimon, chairman JPMorgan Chase "In Trailblazer, Benioff explores how companies can nurture a values-based culture to become powerful plat change."—Susan Wojcicki, CEO of YouTube

RabbitMQ in Action

MuleSoft for Salesforce Developers

Neural Network Architectures with Python and Keras

Integration-Ready Architecture and Design

Continuous API Management

An Architect's Guide to Developing and Managing APIs for Your Organization

Implementing Oracle Integration Cloud Service

This book constitutes the refereed proceedings of the 19th International Conference on CParallel and Distributed Computing, Applications and Technologies, PDCAT 2018, held in Jeju Island, South Korea, in August 2018. The 35 revised full papers presented along with the 14 short papers and were carefully reviewed and selected from 150 submissions. The papers of this volume are organized in topical sections on wired and wireless communication systems, high dimensional data representation and processing, networks and information security, computing techniques for efficient networks design, electronic circuits for communication systems. Summary Functional Programming in JavaScript teaches JavaScript developers functional techniques that will improve extensibility, modularity, reusability, testability, and performance. Through concrete examples and jargon-free explanations, this book teaches you how to apply functional programming to real-life development tasks Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology In complex web applications, the low-level details of your JavaScript code can obscure the workings of the system as a whole. As a coding style, functional programming (FP) promotes loosely coupled relationships among the components of your application, making the big picture easier to design, communicate, and maintain. About the Book Functional Programming in JavaScript teaches you techniques to improve your web applications - their extensibility, modularity, reusability, and testability, as well as their performance. This easy-to-read book uses concrete examples and clear explanations to show you how to use functional programming in real life. If you're new to functional programming, you'll appreciate this guide's many insightful comparisons to imperative or object-oriented programming that help you understand functional design. By the

end, you'll think about application design in a fresh new way, and you may even grow to appreciate monads! What's Inside High-value FP techniques for real-world uses Using FP where it makes the most sense Separating the logic of your system from implementation details FP-style error handling, testing, and debugging All code samples use JavaScript ES6 (ES 2015) About the Reader Written for developers with a solid grasp of JavaScript fundamentals and web application design. About the Author Luis Atencio is a software engineer and architect building enterprise applications in Java, PHP, and JavaScript. Table of Contents PART 1 THINK FUNCTIONALLY Becoming functional Higher-order JavaScript PART 2 GET FUNCTIONAL Few data structures, many operations Toward modular, reusable code Design patterns against complexity PART 3 ENHANCING YOUR FUNCTIONAL SKILLS Bulletproofing your code Functional optimizations Managing asynchronous events and data Learn, develop, test and document powerful yet simple RAML API specifications using MuleSoft API Designer and API Toolkit. KEY FEATURES • Explore concept of API and its significance in enterprise applications • Design your own API using Mulesoft Anypoint Platform • Exciting coverage on how API works in Enterprise Applications • Live demonstration on how to build and integrate API with end-to-end implementation and working codes DESCRIPTION Hands-on MuleSoft Anypoint platform book directs you step-by-step in designing API, its Implementation, and how to integrate smartly with other applications. This book is enriched with lots of interactive screenshots and working source codes. Throughout this book, you will learn key industry insights on System Integration, API Led Connectivity, Centre for Enablement, and RAML. This book will talk about how to use publicly available free mock REST APIs and how to call and test them from RESTful clients like Postman. You can also see some of the commercially available license-based APIs. Equipped with exercises, you will practice developing your own RESTful API specification along with how to add, retrieve, update, and delete data for your business use. You will be using the MuleSoft Anypoint Platform Designer for designing and simulating your RAML API design specifications. At the end of the book, you will be summarizing your learnings with an end-to-end implementation demonstration on the API design and its implementation. WHAT YOU WILL LEARN • Know-how of public APIs, commercial APIs, and cloud-based SaaS APIs • Role of Mulesoft in SaaS applications • You learn to design and test the API development and implementation • You get handy with all the features and mechanism of Mulesoft Anypoint Platform • Get a clear vision of what is Enterprise Integration and what are all the opportunities coming up in near future. WHO THIS BOOK IS FOR This book is for fresher, IT employees with less or no programming background such as Business Analysts, Quality Engineers, HR, Technical persons who are looking for a change in technology area if they are working in outdated technologies. TABLE OF CONTENTS 1. MuleSoft Fundamentals 2. MuleSoft Internals 3. MuleSoft Salient features 4. From ESB to API Led Connectivity 5. Cloud based SaaS Applications and MuleSoft Connectors 6. REST, SOAP, Postman and Anypoint Studio 7. Start RAML 8. RAML in detail 9. RAML Project

A lot of work is required to release an API, but the effort doesn't always pay off. Overplanning before an API matures is a wasted investment, while underplanning can lead to disaster. This practical guide provides maturity models for individual APIs and multi-API landscapes to help you invest the right human and company resources for the right maturity level at the right time. How do you balance

the desire for agility and speed with the need for robust and scalable operations? Four experts from the API Academy show software architects, program directors, and product owners how to maximize the value of their APIs by managing them as products through a continuous life cycle. Learn which API decisions you need to govern and how and where to do so Design, deploy, and manage APIs using an API-as-a-product (AaaP) approach Examine ten pillars that form the foundation of API product work Learn how the continuous improvement model governs changes throughout an API's lifetime Explore the five stages of a complete API product life cycle Delve into team roles needed to design, build, and maintain your APIs Learn how to manage your API landscape—the set of APIs published by your organization

Parallel and Distributed Computing, Applications and Technologies

SAP ABAP

Java Persistence API

Camel in Action

Making the Right Decisions in an Evolving Landscape

Patterns and Best Practices

Enterprise Integration Patterns

What would you do if your IT job was no longer performed in your country? Your survival does not lie in limiting global collaborative engineering. IT workers will survive and prosper because of their ability to innovate, to quickly learn and change directions, and to evolve from Information Technology into Distributed Knowledge Marketplace. You have no choice but to be pro-active, learn to stay current, even run ahead of the game. Integration-Ready Architecture and Design bridges the gap for a new generation of wired and wireless software technologies and teaches a set of skills that are demanded by fast moving software evolution. This up-to-date textbook integrates theory and practice, going from foundations and concepts to specific applications. Through deep insights into almost all areas of modern CIS and IT, Zhuk provides an entry into the new world of integrated knowledge and software engineering. Readers will learn the what s, why s, and how s on: J2EE, J2ME, .NET, JSAPI, JMS, JMF, SALT, VoiceXML, WAP, 802.11, CDNA, GPRS, CycL, XML, and multiple XML-based technologies including RDF, DAML, SOAP, UDDI, and WDSL. Students, architects, designers, coders, and even management benefit from innovative ideas and detailed examples for building multi-dimensional worlds of enterprise applications and creating distributed knowledge marketplace.

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.

A thousand years before Isaac Asimov set down his Three Laws of Robotics, real and imagined automata appeared in European courts, liturgies, and literary texts. Medieval robots took such forms as talking statues, mechanical animals, and silent metal guardians; some served to entertain or instruct while others performed disciplinary or surveillance functions. Various ascribed to artisanal genius, inexplicable cosmic forces, or demonic powers, these marvelous fabrications raised fundamental questions about knowledge, nature, and divine purpose in the Middle Ages. Medieval Robots recovers the forgotten history of fantastical, aspirational, and terrifying machines that captivated Europe in imagination and reality between the ninth and fourteenth centuries. E. R. Truitt traces the different forms of self-moving or self-sustaining manufactured objects from their earliest appearances in the Latin West through centuries of mechanical and literary invention. Chronicled in romances and song as well as histories and encyclopedias, medieval automata were powerful cultural objects that probed the limits of natural philosophy, illuminated and challenged definitions of life and death, and epitomized the transformative and threatening potential of foreign knowledge and culture. This original and wide-ranging study reveals the convergence of science, technology, and imagination in medieval culture and demonstrates the striking similarities between medieval and modern robotic and cybernetic visions.

Describes principles of the emerging field of data-intensive computing, along with methods for designing, managing and analyzing the big data sets of today.

Creating Self-Describing Data

API Recipes with Mulesoft(R) Anypoint Platform

Developing Data Migrations and Integrations with Salesforce

Data-Intensive Computing

Hands-on MuleSoft Anypoint platform Volume 1

Regular Expressions Cookbook

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. You can build a world-class SOA infrastructure entirely using popular, and mature, open-source applications. Unfortunately, the technical documentation for most open-source projects focuses on a specific product, the big SOA picture. You're left to your own devices to figure out how to cobble together a full solution from the various bits. In other words, unless you already know how Mule and Tuscany work with jBPM, you're stuck. Open Source SOA shows readers how to build an entire SOA application using open-source technologies. It shows readers how to apply key ideas like Enterprise Service Bus (ESB) design and Business Process Management (BPM) and learn the tools and techniques to implement them effectively. To pull everything together, the author describes real-life case studies from his own work to tie together all the principles and practices. These hard-to-find case studies are pure gold for the reader, as most developers keep these trade secrets to themselves. 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. "XQuery Kick Start" delivers a concise introduction to the XQuery standard, and useful implementation advice for developers needing to put it into practice. The book starts by explaining the role of XQuery in the XML family of specifications, and its relationship with XPath. The authors then explain the specification in detail, describing the semantics and data model, before moving to examples using XQuery to manipulate XML databases and document storage systems. Later chapters discuss Java implementations of XQuery and development tools that facilitate the development of Web sites with XQuery. This book is up to date with the latest XQuery specifications, and includes coverage of new features for extending the XQuery language.

SAP ABAP (Advanced Business Application Programming) offers a detailed tutorial on the numerous features of the core programming platform, used for development for the entire SAP software suite. SAP ABAP uses hands on business oriented use cases and a valuable dedicated e-resource to demonstrate the underlying advanced concepts of the OO ABAP environment and the SAP UI. SAP ABAP covers the latest version (NetWeaver 7.3 and SAP application programming release 6.0) of the platform for demonstrating the customization and implementation phases of the SAP software implementation. Void of theoretical treatments and preoccupation with language syntax, SAP ABAP is a comprehensive, practical one stop solution, which demonstrates and conveys the language's commands and features through hands on

examples. The accompanying e-resource is a take off point to the book. SAP ABAP works in tandem with the accompanying e-resource to create an interactive learning environment where the book provides a brief description and an overview of a specified feature/command, showing and discussing the corresponding code. At the reader's option, the user can utilize the accompanying e-resource, where a step-by-step guide to creating and running the feature's object is available. The presentation of the features is scenario oriented, i.e. most of the features are demonstrated in terms of small business scenarios. The e-resource contains the scenario descriptions, screen shots, detailed screen cams and ABAP program source to enable the reader to create all objects related to the scenario and run/execute them. The underlying concepts of a feature/command are conveyed through execution of these hands-on programs. Further exercises to be performed independently by the reader are also proposed. The demonstration/illustration objects including the programs rely on some of the SAP application tables being populated, for example an IDES system which is now a de facto system for all SAP training related activities.

Open Source SOA

Learning XML

Test Driven Development for Embedded C

Essential Content Knowledge and Instructional Strategies for Teachers

Pro EJB 3

Trailblazer

Detailed Solutions in Eight Programming Languages

Migrate your data to Salesforce and build low-maintenance and high-performing data integrations to get the most out of Salesforce and make it a "go-to" place for all your organization's customer information. When companies choose to roll out Salesforce, users expect it to be the place to find any and all Information related to a customer—the coveted Client 360° view. On the day you go live, users expect to see all their accounts, contacts, and historical data in the system. They also expect that data entered in other systems will be exposed in Salesforce automatically and in a timely manner. This book shows you how to migrate all your legacy data to Salesforce and then design integrations to your organization's mission-critical systems. As the Salesforce platform grows more powerful, it also grows in complexity. Whether you are migrating data to Salesforce, or integrating with Salesforce, it is important to understand how these complexities need to be reflected in your design. Developing Data Migrations and Integrations with Salesforce covers everything you need to know to migrate your data to Salesforce the right way, and how to design low-maintenance, high-performing data integrations with Salesforce. This book is written by a practicing Salesforce integration architect with dozens of Salesforce projects under his belt. The patterns and practices covered in this book are the results of the lessons learned during those projects. What You'll Learn Know how Salesforce's data engine is architected and why Use the Salesforce Data APIs to load and extract data Plan and execute your data migration to Salesforce Design low-maintenance, high-performing data integrations with Salesforce Understand common data integration patterns and the pros and cons of each Know real-time integration options for Salesforce Be aware of common pitfalls Build reusable transformation code covering commonly needed Salesforce transformation patterns Who This Book Is For Those tasked with migrating data to Salesforce or building ongoing data integrations with Salesforce, regardless of the ETL tool or middleware chosen; project sponsors or managers nervous about data tracks putting their projects at risk;

aspiring Salesforce integration and/or migration specialists; Salesforce developers or architects looking to expand their skills and take on new challenges

First EJB 3.0 book on the market and a definitive guide to the major innovation in EJB: the new persistence API Offers unparalleled insight and expertise: lead authored by the co-lead on the EJB 3.0 spec (Mike Keith)

This book constitutes the refereed proceedings of the First International Conference on Smart Blockchain, SmartBlock 2018, held in Tokyo, Japan, in December 2018. The 17 papers presented in this volume were carefully reviewed and selected from 102 submissions. They focus on a broad range of topics in the area of blockchain, from privacy-preserving solutions to designing advanced blockchain mechanism, from empirical studies to practical manuals.

Summary RabbitMQ in Action is a fast-paced run through building and managing scalable applications using the RabbitMQ messaging server. It starts by explaining how message queuing works, its history, and how RabbitMQ fits in. Then it shows you real-world examples you can apply to your own scalability and interoperability challenges. About the Technology There's a virtual switchboard at the core of most large applications where messages race between servers, programs, and services. RabbitMQ is an efficient and easy-to-deploy queue that handles this message traffic effortlessly in all situations, from web startups to massive enterprise systems. About the Book RabbitMQ in Action teaches you to build and manage scalable applications in multiple languages using the RabbitMQ messaging server. It's a snap to get started. You'll learn how message queuing works and how RabbitMQ fits in. Then, you'll explore practical scalability and interoperability issues through many examples. By the end, you'll know how to make Rabbit run like a well-oiled machine in a 24 x 7 x 365 environment. Written for developers familiar with Python, PHP, Java, .NET, or any other modern programming language. No RabbitMQ experience required. 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. What's Inside Learn fundamental messaging design patterns Use patterns for on-demand scalability Glue a PHP frontend to a backend written in anything Implement a PubSub-alerting service in 30 minutes flat Configure RabbitMQ's built-in clustering Monitor, manage, extend, and tune RabbitMQ =====?===== Table of Contents Pulling RabbitMQ out of the hat Understanding messaging Running and administering Rabbit Solving problems with Rabbit: coding and patterns Clustering and dealing with failure Writing code that survives failure Warrens and Shovels: failover and replication Administering RabbitMQ from the Web Controlling Rabbit with the REST API Monitoring: Houston, we have a problem Supercharging and securing your Rabbit Smart Rabbits: extending RabbitMQ

Salesforce Architect's Handbook

Mechanism, Magic, Nature, and Art

Activiti in Action

Developing with Google App Engine

API Management

The Power of Business as the Greatest Platform for Change

Executable business processes in BPMN 2.0

This popular text addresses the urgent need for curriculum materials that cross traditional boundaries to include many of the elements that

*are integrated in the teaching/learning enterprise: mathematics content, teacher understanding, student thinking, teaching methods, instructional activities, and assessment. The book pushes readers beyond the limits of their current understanding of rational numbers, challenging them to refine and explain their thinking--without falling back on rules and procedures they have relied on throughout their lives. Written in a conversational and easy to understand style, this is not a textbook as much as it is a resource book. An underlying assumption is that facilitating teacher understanding using the same questions and activities that may be used with children is one way to help teachers build the comfort and confidence they need to begin talking to children about complex ideas. Unlike a textbook that is used to study formal theory and then discarded when it comes to putting ideas into practice, the many problems and activities included to facilitate teacher learning are valuable resources for use in elementary and middle school classrooms. Changes in the second edition include: *even more student work incorporated in every chapter; *discussion of the connectivity between the topics addressed in the book and the elementary and middle school mathematics curricula; *an increased emphasis on measurement; *expansion of some topics, including number sense, percent, scale factors, similarity, and linear graphs; *clarification of the characteristics of ratio and proportions and how to use these to generate discussion with children; and *content-related interview questions for exploring children's thinking. This book is a valuable resource for researchers and curriculum developers in mathematics education, pre-service and in-service teachers of mathematics, those involved in the mathematical and pedagogical preparation of mathematics teachers, and graduate students in mathematics education. The methods and activities it includes have been tested with students in grades 3-8 and with pre-service and in-service teachers and other adults. This text is accompanied by MORE--a supplement that is not merely an answer key but a resource that includes in-depth discussions of all the problems in the text; develops and extends discussion of the issues, teaching problems, and other considerations raised in the chapters; and contains additional problems--with and without solutions--that instructors may find helpful for assessment purposes.*

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 Haskell Programming makes Haskell as clear, painless, and practical as it can be, whether you're a beginner or an experienced hacker.

Learning Haskell from the ground up is easier and works better. With our exercise-driven approach, you'll build on previous chapters such that by the time you reach the notorious Monad, it'll seem trivial.

Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate HTML, XML, and data exchange formats Discover little-known regular expression tricks and techniques

Building Digital Experience Platforms

19th International Conference, PDCAT 2018, Jeju Island, South Korea, August 20-22, 2018, Revised Selected Papers

2020 Mergerstat Review

SOA Patterns

A Comprehensive End-to-End Solutions Guide

Mule 4 Edition

Professional Java EE Design Patterns

The FactSet Mergerstat Review is the cornerstone of any mergers and acquisitions library. This must-have resource delivers comprehensive rosters, data and statistics on merger and acquisition (M&A) transactions that involve U.S. companies, including privately held, publicly traded and cross-border transactions, and also lists unit divestitures, management buyouts, and certain asset sales.

See a Mesos-based big data stack created and the components used. You will use currently available Apache full and incubating systems. The components are introduced by example and you learn how they work together. In the Complete Guide to Open Source Big Data Stack, the author begins by creating a private cloud and then installs and examines Apache Brooklyn. After that, he uses each chapter to introduce one piece of the big data stack—sharing how to source the software and how to install it. You learn by simple example, step by step and chapter by chapter, as a real big data stack is created. The book concentrates on Apache-based systems and shares detailed examples of cloud storage, release management, resource management, processing, queuing, frameworks, data visualization, and more.

What You'll Learn Install a private cloud onto the local cluster using Apache cloud stack Source, install, and configure Apache: Brooklyn, Mesos, Kafka, and Zeppelin See how Brooklyn can be used to install Mule ESB on a cluster and Cassandra in the cloud Install and use DCOS for big data processing Use Apache Spark for big data stack data processing Who This Book Is For Developers, architects, IT project managers, database administrators, and others charged with developing or supporting a big data system. It is also for anyone interested in Hadoop or big data, and those experiencing problems with data size.

Another day without Test-Driven Development means more time wasted chasing bugs and watching your code deteriorate. You thought TDD was for someone else, but it's not! It's for you, the embedded C programmer. TDD helps you prevent defects and build software with a long useful life. This is the first book to teach the hows and whys of TDD for C programmers. TDD is a modern programming practice C developers need to know. It's a different way to program---unit tests are written in a tight feedback loop with the production code, assuring your code does what you think. You get valuable feedback every few minutes. You find mistakes before they become bugs. You get early warning of design problems. You get immediate notification of side effect defects. You get to spend more time adding valuable features to your product. James is one of the few experts in applying TDD to embedded C. With his 1.5 decades of training, coaching, and practicing TDD in C, C++, Java, and C# he will lead you from being a novice in TDD to using the techniques that few have mastered. This book is full of code written for embedded C programmers. You don't just see the end product, you see code and tests evolve. James leads you through the thought process and decisions made each step of the way. You'll learn techniques for test-driving code right next to the hardware, and you'll learn design principles and how to apply them to C to keep your code clean and flexible. To run the examples in this book, you will need a C/C++ development environment on your machine, and the GNU GCC tool chain or Microsoft Visual Studio for C++ (some project conversion may be needed).

It's not new to us that microservices are changing the way we conceive digital transformation, as organizations embrace digital transformation. Every day, more and more companies are betting on microservice adoption, and there is a strong reason for this: business needs to evolve and change at a fast pace, in order to adapt itself to satisfy a demanding 2.0 digital customer's experience in terms of overall service quality. Ensuring that such a change occurs seamlessly and progressively is one of the

goals for microservices, and designing and building a solid microservice architecture is the way to guarantee that this happens from inception, by observing principles, best practices, design patterns, and reference models. This book provides a comprehensive walkthrough across the different concepts, frameworks, methodologies, and architecture building blocks that make up a microservice ecosystem and constitute a reference architecture from which you can get to multiple sub-architectures and implementations. Being an architect, you'll learn how to better design microservice-led and event-centric architectures in the right way from the early beginning, by showcasing learned lessons, best-practices do's, and don'ts. If you are starting your architecture career, it's the right place to get introduced to concepts and methodologies that you will then grow over time, as you acquire more experience. If you are a developer, but willing to jump into the exciting architecture world, this can also be good reading, however, be warned that some basic architectural understandings and concepts need to be first incorporated before walking through the advanced concepts presented throughout this book. This book requires you to have some minimal background around Docker and Microservices to better understand the more advanced concepts that are being explained.

Hands-On Test Projects with Business Scenarios

Complete Guide to Open Source Big Data Stack

Designing and Building Solid Microservice Ecosystems

Mule in Action

Software Engineering with XML, Java, .NET, Wireless, Speech, and Knowledge Technologies

Distributed Messaging for Everyone

Getting Started with Mule Cloud Connect

Design, secure, test, and deploy APIs with MuleSoft, and integrate it with Salesforce to maximize productivity Key Features Build, implement, transform, secure, test, and deploy APIs using Anypoint Studio and Anypoint Platform Integrate MuleSoft with Salesforce and other end systems to build an application network Enhance your Salesforce and MuleSoft skills and employability with interview and certification tips and tricks Book Description MuleSoft for Salesforce Developers will help you build state-of-the-art enterprise solutions with flexible and scalable integration capabilities using MuleSoft's Anypoint Platform and Anypoint Studio. If you're a Salesforce developer looking to get started with this useful tool, look no further. This book will get you up to speed in no time, leveling up your integration developer skills. This essential guide will first introduce you to the fundamentals of MuleSoft and API-led connectivity, before walking you through the API life cycle and the Anypoint Studio IDE. Once you have the IDE set up, you'll be ready to create Mule applications. You'll look at the core components of MuleSoft and Anypoint Platform, and before long you'll know how to build, transform, secure, test, and deploy applications using the wide range of components available to you. Finally, you'll learn about

using connectors to integrate MuleSoft with Salesforce and to fulfill a number of use cases, which will be covered in depth, along with interview and certification tips. By the end of this book, you will be confident building MuleSoft integrations at an enterprise scale and be able to gain the fundamental MuleSoft certification – MCD. What you will learn Understand how to use MuleSoft to achieve API-led connectivity Design and create documentation for your API Develop Mule applications and run them in Anypoint Studio Monitor your applications from Anypoint Platform Transform your data using DataWeave Use the CI/CD and Mule Maven plugins Run tests using MUnit and generate a code coverage report Use best practices to maintain coding standards Who this book is for This book is for Salesforce developers who want to get started with MuleSoft. Salesforce architects will also find the concepts covered in the book useful in designing Salesforce solutions. Prior knowledge of any programming language and some basic integration concepts will be helpful, alongside basic familiarity with Salesforce development and experience with at least one Salesforce API – including the SOAP API, REST API, Bulk API, or Streaming API.

Summary SOA Patterns provides architectural guidance through patterns and antipatterns. It shows you how to build real SOA services that feature flexibility, availability, and scalability. Through an extensive set of patterns, this book identifies the major SOA pressure points and provides reusable techniques to address them. Each pattern pairs the classic problem/solution format with a unique technology map, showing where specific solutions fit into the general pattern. About the Technology The idea of service-oriented architecture is an easy one to grasp and yet developers and enterprise architects often struggle with implementation issues. Here are some of them: How to get high availability and high performance How to know a service has failed How to create reports when data is scattered within multiple services How to make loose coupling looser How to solve authentication and authorization for service consumers How to integrate SOA and the UI About the Book SOA Patterns provides detailed, technology-neutral solutions to these challenges, and many others, using plain language. You'll understand the design patterns that promote and enforce flexibility, availability, and scalability. Each of the 26 patterns uses the classic problem/solution format and a unique technology map to show where specific solutions fit into the general pattern. The book is written for working developers and architects building services and service-oriented solutions. Knowledge of Java or C# is helpful but not required. 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. Table of Contents PART 1 SOA PATTERNS Solving SOA pains with patterns Foundation structural patterns Patterns for performance, scalability, and availability Security and manageability patterns Message exchange patterns Service consumer patterns Service integration patterns PART 2 SOA IN THE REAL WORLD Service antipatterns Putting it all together—a case study SOA vs. the world Developing with Google App Engine introduces development with Google App Engine, a platform that provides developers and users with infrastructure Google itself uses to develop and deploy massively scalable applications. Introduction to concepts Development with App Engine Deployment into App Engine

This fascinating collection of traditional metaphors and figures of speech, groups expressions according to theme. The second edition includes over 1,500 new entries, more information on first known usages, a new introduction and two expanded indexes. It will appeal to those interested in cultural history and the English language.

Haskell Programming from First Principles

Designing and Implementing RAML APIs with MuleSoft Anypoint Platform (English Edition)

Smart Blockchain

Medieval Robots

How to improve your JavaScript programs using functional techniques

Architectures, Algorithms, and Applications

XQuery Kick Start

Connect your enterprise to a wide range of SaaS platforms, Open APIs, and social networks quickly and without difficulty. Through step-by-step instructions and numerous real-world examples, this concise guide shows you how to seamlessly integrate the external services you need with Mule ESB and its powerful Cloud Connect toolset. You'll learn how to use service-specific connectors for many popular APIs—including Salesforce, Twitter, LinkedIn, and Twilio—through easy-to-learn abstractions. If Mule doesn't have a connector for the resource you need, you'll learn how to build your own. You'll discover how easy it is to reach beyond the enterprise firewall for a host of Internet resources. Discover the advantages of using Mule Cloud Connect over typical web service clients and protocols Learn how Cloud Connectors eliminate the need to understand the underlying API of each service Get started with the latest real-time technologies, including REST, WebHooks, and Streaming APIs Integrate OAuth secure APIs and understand their role in authorization and information sharing Delve into advanced topics such as multi-tenancy and connection management Build your own custom connectors with the Mule DevKit

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

In 2018 MuleSoft released Mule 4, the latest and most advanced runtime version for Anypoint Platform. Mule 4 introduces many changes and new features in order to enhance application development velocity with up to 50% fewer steps and concepts to learn, including: a simplified language for connectivity, clear access to data, automatic tuning, and smoother upgrade processes. The idea behind the new book is to help the reader understand the changes and concepts introduced in Mule 4 and get them enabled on Anypoint Platform by helping them solve issues they come across. After reading this book the reader should have gotten a strong overview of the MuleSoft Anypoint Platform and Mule 4, using practical and easy-to-follow examples. The authoring team comes from an organisation which has been awarded multiple times as partner of the year by MuleSoft and have been testing and working with Mule 4 since the beta release. We acknowledge that despite our best efforts and those of the technical editors, reviewers and others involved, a book of this size is bound to contain errors and omissions. Please, let us know if you happen to come across any of these by writing to us at feedback.apirecipebook@whishworks.com. In the subsequent editions, we will incorporate changes and suggestions sent in by you. We hope you enjoy reading the book as much as we enjoyed working on it.

Take a deep dive into the architectural approach, best practices, and key considerations needed to comprehend, evaluate, and design an efficient, scalable, and sustainable Salesforce-based solution. This book takes a comprehensive look at the seven architectural domains that must be considered when architecting a Salesforce-based solution and equips you to develop the artifacts needed for an end-to-end enterprise architecture blueprint for Salesforce implementation and DevOps. This must-have handbook helps Salesforce professionals implement and manage Salesforce in their organization. You will learn Salesforce architecture: solution architecture, data architecture, security architecture, integration architecture, identity and access management architecture, and strategies that can be used for Salesforce-based mobile applications. In addition to the main architecture concepts, the book also offers industry best practices and the recommended framework for approaching, managing, delivering, and continuously improving a Salesforce solution using its Salesforce Development & Deployment Lifecycle. What You Will Learn Get a detailed overview of the Salesforce multi-tenant, metadata-driven architectural framework and the under-the-hood technology stack that supports Salesforce Know the seven

architecture domains, their intricacies, and the considerations needed within each when designing a Salesforce solution Have an architectural mindset and the artifacts needed to architect an end-to-end enterprise-level implementation of Salesforce Be familiar with the most common Salesforce products, licenses, AppExchange products, and the key considerations of using out-of-the-box declarative capabilities vs custom programmatic capabilities of Salesforce Understand data architecture design considerations that include data modeling in Salesforce, identifying and mitigating large data volume concerns, and the key considerations for data migration and data archiving strategies Understand security architecture considerations related to securing data within Salesforce and the various approaches to allow or restrict sharing and visibility from within Salesforce Understand integration architecture considerations that provide an overview of the integration patterns and the integrations solutions that can be used with Salesforce to connect Salesforce with a remote system hosted on-premises, on the cloud, or by third-party solution providers Understand identity and access management architectural considerations across the 9 stages of an identity and access management lifecycle Be aware of the strategies available to design mobile solutions with Salesforce and the options available for Salesforce mobile architecture Employ the principles of the DevOps & Development Lifecycle needed for an ideal state Salesforce implementation Who This Book Is For Professionals interested in implementing, optimizing, and architecting Salesforce solutions enterprise-wide; Salesforce implementation (SI) partners needing a detailed playbook for architecting and delivering successful Salesforce solutions; Salesforce admins, developers, and architects looking for a one-stop educational resource to mastering the Salesforce architect domains or those pursuing the Salesforce architecture domain certification exams, including the Salesforce Certified Technical Architect (CTA) board exam A practitioner's guide to deploying MuleSoft APIs and integrations for Salesforce enterprise solutions Thesaurus of Traditional English Metaphors