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Apache Velocity Developer Guide

Niko Köbler



Apache Velocity Developer Guide:

Mastering Apache Velocity Joseph D. Gradecki, Jim Cole, 2003-10-07 A comprehensive tutorial on how to use the power of Velocity 1.3 to build Web sites and generate content. Designed to work hand in hand with Apache Turbine, Struts, and servlets, Velocity is a powerful template language that greatly enhances the developer's ability to customize Web sites. It separates Java code from the Web pages, making a site more maintainable. Because of this, it is a viable alternative to JSPs and PHP and is expected to become the standard template engine. In addition to its use with Struts and Turbine, Velocity can also be used to generate Java and XML source code, XML schemas, HTML templates, and SQL code. Even with all its promise, finding expert instructions on how to properly program with this language has been difficult. This code-intensive tutorial gives you all the tools you'll need. It begins by quickly bringing you up to speed on all of the Velocity fundamentals and the Velocity Template Language. You'll then learn how to apply Velocity in a variety of areas with the help of richly detailed code examples. Additionally, you'll be taken through the steps of building a complete application in order to see how you can utilize all of the techniques and technologies discussed in the book. Covering the latest features of Velocity 1.3, Mastering Apache Velocity shows you how to build Java-based Web sites with Struts, servlets, Turbine, and other open source tools. Generate a wide variety of Web content and code, including Java, XML, SQL, and Postgres.

Velocity: The Basics James Arthur Johnson, 2014-02-24 This book teaches one how to program in the Velocity Template Language (VTL) and covers methods thereof with practical examples of how to script in Velocity. It also serves as a reference for readers who are Velocity developers. More detail available at <http://tech.bea.com/velocity>

Comprehensive Guide to MAMP Development Richard Johnson, 2025-06-21 *Comprehensive Guide to MAMP Development* unlocks the full potential of local web development with the *Comprehensive Guide to MAMP Development*, an authoritative resource crafted for developers, DevOps professionals, and technical teams seeking end-to-end mastery of the MAMP stack. This guide meticulously explores the architectural foundations of MAMP, offering deep technical insights into the interactions between Apache, MySQL, PHP, and auxiliary services. It addresses platform compatibility, security best practices, and environment isolation techniques tailored for both individual projects and complex enterprise-grade scenarios. From advanced Apache and PHP configurations to MySQL optimization and integrating powerful tooling such as Redis, Composer, and local SMTP servers, this book delivers practical strategies and real-world solutions for every stage of the development lifecycle. Readers will gain hands-on skills in debugging, profiling, and troubleshooting at scale, ensuring robust local environments that mirror production conditions. Critical chapters delve into securing sensitive data, ensuring compliance, and managing vulnerabilities unique to local stacks, empowering professionals to build secure and resilient applications. Looking forward, the guide navigates emerging trends such as hybrid cloud workflows, containerization with Docker, and the shift toward serverless and API-first architectures, equipping readers to stay ahead in a rapidly evolving landscape. Comprehensive case studies, automation patterns, and collaboration frameworks

round out a definitive resource that enables both solo developers and large teams to innovate scale and modernize with confidence on MAMP and beyond *Comprehensive Guide to AWS Amplify Development* Richard Johnson,2025-05-29

Comprehensive Guide to AWS Amplify Development The *Comprehensive Guide to AWS Amplify Development* is an authoritative and meticulously structured resource designed for cloud professionals architects and developers seeking to master AWS Amplify Through an in depth exploration of Amplify s architecture and ecosystem the guide demystifies the interplay between Amplify projects underlying AWS resources and best practices for configuration extensibility and security Readers are empowered with insights into advanced orchestration using tools such as Cognito AppSync Lambda and S3 as well as robust monitoring troubleshooting and compliance techniques to ensure enterprise grade deployments Richly detailed chapters examine the end to end development lifecycle from authentication and sophisticated user management with federated identities SAML custom flows and granular authorization models to API construction leveraging both GraphQL and REST modalities The book delves into advanced data modeling seamless relational and NoSQL integrations schema migrations and strategies for version control and data consistency A thorough treatment of storage file handling and synchronization patterns complements discussions on building highly available disaster resilient and cost efficient architectures for real world data intensive applications Completing the journey the guide brings together complex backend engineering workflow automation and seamless frontend integration for web and mobile platforms Topics such as DevOps CI CD Infrastructure as Code IaC cost optimization security compliance and real world deployment patterns equip readers with actionable skills to design implement and operate scalable cloud native solutions With case studies performance benchmarking and a forward looking view on emerging trends this book stands as an indispensable reference for leveraging AWS Amplify to its fullest potential

Professional Struts Applications John Carnell,Jeff Linwood,Maciej Zawadzki,2003-08-21 Building maintainable and extensible web applications requires significant design and planning before even a single line of code can be written But when you leverage development frameworks you can overcome the many challenges of web based development This book maps out the Jakarta Struts framework to help you solve everyday web application development problems This book concentrates on using Struts to develop the core architecture of a web application and using other Jakarta projects to create a fully open source web application Included are Object RelationalBridge Lucene Velocity and ANT

JIRA Development Cookbook Jobin Kuruvilla,2016-09-30 Your one stop resource for mastering extensions and customizations in JIRA 7 About This Book Explore the new features of JIRA 7 and best practices for agile development and integration with development tools Customize the look and feel of your JIRA UI to match your specific user needs Create seamless reports that make sense of your data through easy to use techniques Who This Book Is For If you are a JIRA developer or administrator or a project manager who wants to fully exploit the exciting capabilities of JIRA then this is the perfect book for you What You Will Learn Create and deploy your own JIRA plugins Manipulate

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AWS Certified Data Engineer Study Guide Syed Humair,Chenjerai Gumbo,Adam Gatt,Asif Abbasi,Lakshmi Nair,2025-03-13 Your complete Guide to preparing for the AWS Certified Data Engineer Associate exam The AWS Certified Data Engineer Study Guide is your one stop resource for complete coverage of the challenging DEA C01 Associate exam This Sybex Study Guide covers 100% of the DEA C01 objectives Prepare for the exam faster and smarter with Sybex thanks to accurate content including an assessment test that validates and measures exam readiness real world examples and scenarios practical exercises and challenging chapter review questions Reinforce and retain what you ve learned with the Sybex online learning environment and test bank accessible across multiple devices Get ready for the AWS Certified Data Engineer exam quickly and efficiently with Sybex Coverage of 100% of all exam objectives in this Study Guide means you ll be ready for Data Ingestion and Transformation Data Store Management Data Operations and Support Data Security and Governance ABOUT THE AWS DATA ENGINEER ASSOCIATE CERTIFICATION The AWS Data Engineer Associate certification validates skills and knowledge in core data related Amazon Web Services It recognizes your ability to implement data pipelines and to monitor troubleshoot and optimize cost and performance issues in accordance with best practices Interactive learning environment Take your exam prep to the next level with Sybex s superior interactive online study tools To access our learning environment simply visit www.wiley.com/go/sybextestprep register your book to receive your unique PIN and instantly gain one year of FREE access after activation to Interactive test bank with 5 practice exams to help you identify areas where further review is needed Get more than 90% of the answers correct and you re ready to take the certification exam 100

electronic flashcards to reinforce learning and last minute prep before the exam Comprehensive glossary in PDF format gives you instant access to the key terms so you are fully prepared

Serverless Computing in der AWS Cloud Niko Köbler, 2017-09-29 Serverless heißt das neue Trendthema im Bereich des Cloud Computing Dabei meint Serverless nicht dass man keine Server mehr benötigt Es geht vielmehr darum sich auf die Ausführung seines Codes auf der Ebene von einzelnen Funktionen zu konzentrieren und das Management von Serverinstanzen Verfügbarkeit und Skalierbarkeit der Cloud zu überlassen Zudem bezahlt man bei Serverless nur das was man wirklich nutzt nicht die bloße Bereitstellung oder Verfügbarkeit Verwendete Ressourcen nicht Server oder Systeme Infrastruktur ist implizit vorhanden Das Buch führt in die Konzepte von Serverless Computing am Beispiel der AWS Amazon Web Services Cloud ein und beschreibt wann der Einsatz von Serverless ein sinnvoller Lösungsansatz ist AWS Lambda hat den Begriff Serverless geprägt doch Serverless ist mehr als nur die Ausführung von Funktionen als Service Function as a Service kurz FaaS Auch in Richtung von API Gateways Datenspeichern Amazon DynamoDB und weiteren Komponenten lässt sich Serverless denken Praxisnahe Beispiele helfen beim Einstieg in die Serverless Welt

Machine Learning: End-to-End guide for Java developers Richard M. Reese, Jennifer L. Reese, Bostjan Kaluza, Dr. Uday Kamath, Krishna Choppella, 2017-10-05 Develop Implement and Tuneup your Machine Learning applications using the power of Java programming About This Book Detailed coverage on key machine learning topics with an emphasis on both theoretical and practical aspects Address predictive modeling problems using the most popular machine learning Java libraries A comprehensive course covering a wide spectrum of topics such as machine learning and natural language through practical use cases Who This Book Is For This course is the right resource for anyone with some knowledge of Java programming who wants to get started with Data Science and Machine learning as quickly as possible If you want to gain meaningful insights from big data and develop intelligent applications using Java this course is also a must have What You Will Learn Understand key data analysis techniques centered around machine learning Implement Java APIs and various techniques such as classification clustering anomaly detection and more Master key Java machine learning libraries their functionality and various kinds of problems that can be addressed using each of them Apply machine learning to real world data for fraud detection recommendation engines text classification and human activity recognition Experiment with semi supervised learning and stream based data mining building high performing and real time predictive models Develop intelligent systems centered around various domains such as security Internet of Things social networking and more In Detail Machine Learning is one of the core areas of Artificial Intelligence where computers are trained to self learn grow change and develop on their own without being explicitly programmed In this course we cover how Java is employed to build powerful machine learning models to address the problems being faced in the world of Data Science The course demonstrates complex data extraction and statistical analysis techniques supported by Java applying various machine learning methods exploring machine learning sub domains and exploring real world use cases such as recommendation systems fraud detection natural

language processing and more using Java programming The course begins with an introduction to data science and basic data science tasks such as data collection data cleaning data analysis and data visualization The next section has a detailed overview of statistical techniques covering machine learning neural networks and deep learning The next couple of sections cover applying machine learning methods using Java to a variety of chores including classifying predicting forecasting market basket analysis clustering stream learning active learning semi supervised learning probabilistic graph modeling text mining and deep learning The last section highlights real world test cases such as performing activity recognition developing image recognition text classification and anomaly detection The course includes premium content from three of our most popular books Java for Data Science Machine Learning in Java Mastering Java Machine Learning On completion of this course you will understand various machine learning techniques different machine learning java algorithms you can use to gain data insights building data models to analyze larger complex data sets and incubating applications using Java and machine learning algorithms in the field of artificial intelligence Style and approach This comprehensive course proceeds from being a tutorial to a practical guide providing an introduction to machine learning and different machine learning techniques exploring machine learning with Java libraries and demonstrating real world machine learning use cases using the Java platform

Serverless Programming Cookbook Heartin Kanikathottu,2019-01-31 Build secure and deploy real world serverless applications in AWS and peek into the serverless cloud offerings from Azure Google Cloud and IBM Cloud Key FeaturesBuild serverless applications with AWS Lambda AWS CloudFormation and AWS CloudWatchPerform data analytics and natural language processing NLP on the AWS serverless platformExplore various design patterns and best practices involved in serverless computingBook Description Managing physical servers will be a thing of the past once you are able to harness the power of serverless computing If you are already prepped with the basics of serverless computing Serverless Programming Cookbook will help you take the next step ahead This recipe based guide provides solutions to problems you might face while building serverless applications You will begin by setting up Amazon Web Services AWS the primary cloud provider used for most recipes The next set of recipes will cover various components to build a Serverless application including REST APIs database user management authentication web hosting domain registration DNS management CDN messaging notifications and monitoring The book also introduces you to the latest technology trends such as Data Streams Machine Learning and NLP You will also see patterns and practices for using various services in a real world application Finally to broaden your understanding of Serverless computing you will also cover getting started guides for other cloud providers such as Azure Google Cloud Platform and IBM cloud By the end of this book you will have acquired the skills you need to build serverless applications efficiently using various cloud offerings What you will learnServerless computing in AWS and explore services with other cloudsDevelop full stack apps with API Gateway Cognito Lambda and DynamoDBWeb hosting with S3 CloudFront Route 53 and AWS Certificate ManagerSQS and SNS for effective

communication between microservices Monitoring and troubleshooting with CloudWatch logs and metrics Explore Kinesis Streams Amazon ML models and Alexa Skills KitWho this book is for For developers looking for practical solutions to common problems while building a serverless application this book provides helpful recipes To get started with this intermediate level book knowledge of basic programming is a must

Creating Composite Application Pattern Models for IBM PureApplication System Prashanth Bhat,Julian Foster,Mahmoud Galal,Lei He,Andre Tost,Yue Wang,IBM Redbooks,2013-08-22 This IBM Redbooks publication describes how IBM PureApplication™ System supports the creation of virtual systems and virtual applications PureApplication System does so using a pattern model that enables you to take advantage of predefined pre configured and proven middleware topologies and deployments This book also presents an abstraction level that focuses on functional capabilities and applications completely encapsulating the underlying middleware It describes in detail the model and the associated frameworks in PureApplication System as well as a methodology and approach toward designing and implementing a custom pattern model This book shows concrete implementation examples that you can use when creating your own pattern model paired with a collection of leading practices This IBM Redbooks publication gives critical guidance to and serves as a reference for independent software vendors ISVs who want to create patterns for their packaged applications on PureApplication System Clients who want to extend and enhance their existing patterns can also use this book

Practical JIRA Plugins Matthew B. Doar,2011-07-22 One advantage of using JIRA for issue tracking bug tracking or project management is the ability to extend this tool with hundreds of plugins from the JIRA community In this concise book software toolsmith Matt Doar the author of Practical JIRA Administration shows you how to create and maintain your own JIRA plugins to meet the specific needs of a project This book uses detailed examples to clarify some of the more confusing aspects of JIRA plugins and serves as an ideal supplement to the extensive documentation already available Use JIRA s Plugin SDK and learn several aspects common to all plugins Create your own custom field type using a JIRA plugin Delve into advanced aspects of custom field plugins and discover how searching for values in custom fields works Create JIRA plugins to use with workflows and learn about conditions validators and post functions Store data using the PropertySet interface and the Active Objects plugin Upgrade a plugin and upload it to Atlassian Plugin Exchange PAC

Apache Iceberg: The Definitive Guide Tomer Shiran,Jason Hughes,Alex Merced,2024-05-02 Traditional data architecture patterns are severely limited To use these patterns you have to ETL data into each tool a cost prohibitive process for making warehouse features available to all of your data This lack of flexibility forces you to adjust your workflow to the tool your data is locked in which creates data silos and data drift This book shows you a better way Apache Iceberg provides the capabilities performance scalability and savings that fulfill the promise of an open data lakehouse By following the lessons in this book you ll be able to achieve interactive batch machine learning and streaming analytics with this lakehouse Authors Tomer Shiran Jason Hughes and Alex Merced from Dremio guide you through the process With this book

you ll learn The architecture of Apache Iceberg tables What happens under the hood when you perform operations on Iceberg tables How to further optimize Apache Iceberg tables for maximum performance How to use Apache Iceberg with popular data engines such as Apache Spark Apache Flink and Dremio Sonar How Apache Iceberg can be used in streaming and batch ingestion Discover why Apache Iceberg is a foundational technology for implementing an open data lakehouse

Tomcat: The Definitive Guide Jason Brittain,Ian F. Darwin,2003-06-13 Jakarta Tomcat is not only the most commonly used open source servlet engine today it s become the de facto standard by which other servlet engines are measured Powerful and flexible it can be used as a stand alone web server or in conjunction with another server like Apache or IIS to run servlets or JSPs But mastery of Tomcat is not easy because it s as complex as it is complete Tomcat The Definitive Guide answers vexing questions that users administrators and developers alike have been asking This concise guide provides much needed information to help harness Tomcat s power and wealth of features Tomcat The Definitive Guide offers something for everyone who uses Tomcat System and network administrators will find detailed instructions on installation configuration and maintenance For users it supplies insightful information on how to deploy Tomcat And seasoned enterprise Java developers will have a complete reference to setting up running and using this powerful softwareThe book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations stand alone in process and out of process The authors show how directories are laid out cover the initial setup and describe how to set the environment variables and modify the configuration files concluding with common errors problems and solutions In subsequent chapters they cover The server xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer SSL Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more Tomcat The Definitive Guide covers all major platforms including Windows Solaris Linux and Mac OS X contains details on Tomcat configuration files and has a quick start guide to get developers up and running with Java servlets and JavaServer Pages If you ve struggled with this powerful yet demanding technology in the past this book will provide the answers you need *Spring в действии* Крейг Уоллс,2022-01-29 Spring Framework Java Spring 3 SpEL IoC REST Spring 2 3 Spring in Action Spring 3 0

Cisco Software-Defined Access Srilatha Vemula,Jason Gooley,Roddie Hasan,2020-08-11 The definitive Cisco SD Access resource from the architects who train Cisco s own engineers and partners This comprehensive book guides you through all aspects of planning implementing and operating Cisco Software Defined Access SD Access Through practical use cases you ll learn how to use intent based networking Cisco ISE and Cisco DNA Center to improve any campus network s security and simplify its management Drawing on their unsurpassed experience architecting solutions and training technical professionals inside and outside Cisco the authors explain when and where to leverage Cisco SD Access instead of a traditional legacy design They illuminate the fundamental building blocks of a modern campus fabric architecture show how to design a software defined campus that

delivers the most value in your environment and introduce best practices for administration support and troubleshooting Case studies show how to use Cisco SD Access to address secure segmentation plug and play software image management SWIM host mobility and more The authors also present full chapters on advanced Cisco SD Access and Cisco DNA Center topics plus detailed coverage of Cisco DNA monitoring and analytics Learn how Cisco SD Access addresses key drivers for network change including automation and security Explore how Cisco DNA Center improves network planning deployment evolution and agility Master Cisco SD Access essentials design components best practices and fabric construction Integrate Cisco DNA Center and Cisco ISE and smoothly onboard diverse endpoints Efficiently operate Cisco SD Access and troubleshoot common fabric problems step by step Master advanced topics including multicast flows Layer 2 flooding and the integration of IoT devices Extend campus network policies to WANs and data center networks Choose the right deployment options for Cisco DNA Center in your environment Master Cisco DNA Assurance analytics and tests for optimizing the health of clients network devices and applications

Practical Guide to Detect Secrets in Secure Development William Smith,2025-07-24 Practical Guide to Detect Secrets in Secure Development In an era where digital infrastructures form the backbone of every organization Practical Guide to Detect Secrets in Secure Development offers an authoritative road map to one of the most critical challenges in application security the detection and management of secrets The book opens by defining and categorizing the wide array of digital secrets keys passwords tokens and certificates explaining their evolving role within cloud native environments microservices and DevSecOps pipelines It provides clear eyed insights into the risks of exposed secrets real world breaches the impact of regulatory mandates and the indispensable role secret detection plays throughout the secure development lifecycle Focusing on both the technical and human aspects the guide delves deeply into static and dynamic detection methods unraveling the complexities of source code analysis artifact inspection log monitoring and runtime threat hunting Readers are systematically introduced to advanced methodologies such as entropy analysis machine learning based discovery evasion technique detection and the integration of secret management systems at scale Notably the book offers hands on strategies for embedding secret detection into CI CD pipelines version control systems and polyrepo or monorepo environments making it relevant for teams of every size and sophistication Beyond algorithms and automation the guide explores the vital role of organizational culture and process equipping security leaders and developers alike with playbooks for incident response secret rotation policy enforcement and developer education Special emphasis is placed on the nuances of human error change management and effective stakeholder communication With dedicated chapters on the demands of modern cloud native ecosystems emerging standards and future directions including zero trust open source collaboration and post quantum considerations this book positions itself as an indispensable reference for anyone aspiring to build operate or secure systems against the ever present threats posed by exposed secrets

Essential Guide to DataStage Systems Richard Johnson,2025-05-28 Essential Guide to DataStage Systems The Essential Guide to

DataStage Systems is a comprehensive and authoritative resource designed for architects engineers and administrators seeking to master the intricacies of IBM DataStage This guide delves deeply into DataStage architecture examining core system components deployment models including on premises cloud and hybrid environments and advanced strategies for scalability high availability and distributed configurations Beginning with a rigorous exploration of the DataStage engine and its parallel processing framework the book lays a solid technical foundation and progresses to address the end to end job execution lifecycle ensuring readers develop a holistic understanding of enterprise grade data integration systems Through a sequence of meticulously structured chapters the book covers best practices for designing efficient reusable and modular data pipelines Readers will uncover advanced transformation techniques optimization strategies and automation patterns that elevate performance and reliability The guide moves fluidly from integration with diverse data sources including relational NoSQL cloud storage and real time streams to robust metadata management lineage tracking and governance with a keen focus on compliance mandates such as GDPR and HIPAA Practical insights into testing validation monitoring and error handling further equip practitioners to build resilient and transparent ETL workflows Rounding out its comprehensive scope the Essential Guide to DataStage Systems features incisive discussions on security DevOps driven automation administration and capacity planning Topics such as authentication granular access controls audit logging and proactive vulnerability management ensure that security is woven into every stage of the DataStage lifecycle The closing chapters scan the evolving horizon offering guidance on integrating DataStage with AI ML pipelines adopting serverless and containerized execution models and extending DataStage across multi cloud and microservices ecosystems Rich with proven methods and future focused insights this guide is an indispensable companion for modern data integration professionals aiming to unlock the full potential of DataStage

MDA® Volker Gruhn, Daniel Pieper, Carsten Röttgers, 2007-06-01 Dieses Buch liefert sowohl die theoretischen Grundlagen als auch das praktische Handwerkszeug zur Anwendung der Model Driven Architecture der OMG Nach einer Definition und der Einordnung des Ansatzes in die heutige Welt des Software Engineering sowie der Vorstellung der notwendigen Grundlagen entwickeln die Autoren anhand eines Fallbeispiels ein prototypisches MDA Framework und setzen so die zuvor erarbeiteten Erkenntnisse in die Praxis um Besonderes Augenmerk wird dabei auf die Verwendung von Open Source Technologien insbesondere der Eclipse Plattform und ihrer untergliederten Projekte gelegt Eine bersicht ber verwandte Ans tze und sinnvolle Erg nzen zum vorgestellten Vorgehen sowie eine abschlie ende Bewertung und ein vorsichtiger Ausblick in die Zukunft runden die Darstellung ab Das Buch richtet sich damit sowohl an Entscheider die ein fundiertes Basiswissen zur MDA erlangen wollen als auch an Praktiker die Antworten auf konkrete Fragestellungen zur Umsetzung ben tigen

PROFESS STRUTS, CARNELL, 2003-03-04 Building web applications that are maintainable and extensible requires a significant amount of design and planning before even a single line of code can be written However by leveraging pre written development frameworks a development team can reduce the amount of time it

takes to deploy an application while at the same time promoting reuse Traditionally development frameworks required significant amounts of time and energy to implement The alternative to implementing a framework was to purchase one but this was often an expensive option that required a significant commitment to one software vendor

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Apache Velocity Developer Guide Introduction

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