



Reference Guide Java Spring

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Reference Guide Java Spring:

Spring Quick Reference Guide Adam L. Davis, 2020-09-16 Quickly gain the insight necessary to address a multitude of Java based Spring Framework and Spring Boot coding challenges using this succinct reference guide Short focused code examples will help you master many of the Spring elements such as AOP data access MVC for web development security web services REST for microservices development Batch for large data sets and more You ll also get a rundown of the increasingly popular Spring Boot microframework as well You won t find any technical jargon bloated samples drawn out history lessons or witty stories in this book What you will find is a language reference that is concise to the point and highly accessible The book is packed with useful information and is a must have for any Java programmer What You Will Learn Discover the Spring Framework and its many sub projects Work with the Spring Boot microframework Program with the Spring Boot framework to build Java based microservices native cloud applications and more Use some of the lesser known but still important frameworks and tools such as REST Docs HATEOAS Cloud and more Leverage these Spring frameworks and tools for building your next Java based cloud application Who This Book Is For Those with prior experience with Java who want a quick and handy reference to using Spring div [The Definitive Guide to Spring Web Flow](#) Erwin

Vervaeke, 2009-02-15 Spring Web Flow is an exciting open source framework for developing Java web applications The framework improves productivity by addressing three major pain points facing web application developers user interface navigation control state management and modularity The Definitive Guide to Spring Web Flow covers Spring Web Flow in detail by explaining its motivation and feature set as well as providing practical guidance for using the framework to develop web applications successfully in a number of environments **Professional Java Development with the Spring**

Framework Rod Johnson, Jürgen Höller, Alef Arendsen, Thomas Risberg, Colin Sampaleanu, 2007-08-27 The Spring Framework is a major open source application development framework that makes Java J2EE™ development easier and more productive This book shows you not only what Spring can do but why explaining its functionality and motivation to help you use all parts of the framework to develop successful applications You will be guided through all the Spring features and see how they form a coherent whole In turn this will help you understand the rationale for Spring's approach when to use Spring and how to follow best practices All this is illustrated with a complete sample application When you finish the book you will be well equipped to use Spring effectively in everything from simple Web applications to complex enterprise applications What you will learn from this book The core Inversion of Control container and the concept of Dependency Injection Spring's Aspect Oriented Programming AOP framework and why AOP is important in J2EE development How to use Spring's programmatic and declarative transaction management services effectively Ways to access data using Spring's JDBC functionality iBATIS SQL Maps Hibernate and other O/R mapping frameworks Spring services for accessing and implementing EJBs Spring's remoting framework Who this book is for This book is for Java J2EE architects and developers

who want to gain a deeper knowledge of the Spring Framework and use it effectively Wrox Professional guides are planned and written by working programmers to meet the real world needs of programmers developers and IT professionals Focused and relevant they address the issues technology professionals face every day They provide examples practical solutions and expert education in new technologies all designed to help programmers do a better job **Guide to Web Development with Java** Tim Downey,2021-04-12 This comprehensive Guide to Web Development with Java introduces the readers to the three tiered Model View Controller architecture by using Spring JPA JSPs and Spring MVC controllers These three technologies use Java so that a student with a background in programming will be able to master them with ease with the end result of being able to create web applications that use MVC validate user input and save data to a database Topics and features Presents web development topics in an accessible easy to follow style focusing on core information first and allowing the reader to gain basic understanding before moving forwards Contains many helpful pedagogical tools for students and lecturers such as questions and exercises at the end of each chapter detailed illustrations chapter summaries and a glossary Uses existing powerful technologies that are freely available on the web to speed up web development such as Spring Boot Spring MVC Spring JPA Hibernate JSP JSTL and Java 1 8 Discusses HTML HTML forms and Cascading Style Sheets Starts with the simplest technology for web development JSP and gradually introduces the reader to more complex topics Introduces core technologies from the outset such as the Model View Controller architecture Includes examples for accessing common web services Provides supplementary examples and tutorials **Mastering Java Programming: From Basics to Advanced** Mr. Himanshu Tiwari ,Mr. Jay Prakash Upadhyay ,Ms. Gurmandeep Kaur ,Mr. Tushar Gupta,2025-09-09

Spring Data Mark Pollack,Oliver Gierke,Thomas Risberg,Jon Brisbin,Michael Hunger,2012-10-12 You can choose several data access frameworks when building Java enterprise applications that work with relational databases But what about big data This hands on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop Through several sample projects you ll learn how Spring Data provides a consistent programming model that retains NoSQL specific features and capabilities and helps you develop Hadoop applications across a wide range of use cases such as data analysis event stream processing and workflow You ll also discover the features Spring Data adds to Spring s existing JPA and JDBC support for writing RDBMS based data access layers Learn about Spring s template helper classes to simplify the use of database specific functionality Explore Spring Data s repository abstraction and advanced query functionality Use Spring Data with Redis key value store HBase column family MongoDB document database and Neo4j graph database Discover the GemFire distributed data grid solution Export Spring Data JPA managed entities to the Web as RESTful web services Simplify the development of HBase applications using a lightweight object mapping framework Build example big data pipelines with Spring Batch and Spring Integration **Java Persistence with Spring Data and Hibernate** Catalin Tudose,2023-04-18 Master Java persistence using the industry

leading tools Spring Data and Hibernate In Java Persistence with Spring Data and Hibernate you will learn Mapping persistent classes value types and inheritance Mapping collections and entity associations Processing transactions with Spring Data and Hibernate Creating fetch plans strategies and profiles Filtering data Building Spring Data REST projects Using Java persistence with non relational databases Querying JPA with QueryDSL Testing Java persistence applications Java Persistence with Spring Data and Hibernate teaches you the ins and outs of Java persistence with hands on examples using Spring Data JPA and Hibernate The book carefully analyzes the capabilities of the major Java persistence tools and guides you through the most common use cases By comparing and contrasting the alternatives you ll find it easy to choose the right tool choice for your applications You ll learn how to make and utilize mapping strategies about the different approach to transactions for both Hibernate and Spring Data and even how to efficiently test Java persistence applications The practical techniques are demonstrated with both relational and non relational databases Forewords by Dmitry Aleksandrov and Mohamed Taman About the technology Effectively managing application data is essential for any serious application Spring Data and Hibernate bridge the gap between object oriented code and relational data stores radically simplifying Java persistence By implementing the Java Persistence API JPA standard these powerful tools help you avoid common bugs related to state and application data storage About the book Java Persistence with Spring Data and Hibernate explores Java persistence using industry standard tools Hands on examples introduce object relational mapping and guide you through different mapping strategies to suit your needs Covering transactions persistent application testing and non relational databases this book is your go to resource for managing data in Java applications What s inside Mapping persistent classes value types and inheritance Creating fetch plans strategies and profiles Building Spring Data REST projects Querying JPA with QueryDSL About the reader For intermediate Java programmers About the author Catalin Tudose has more than 20 years of experience in the Java community Christian Bauer Gavin King and Gary Gregory are the authors of Java Persistence with Hibernate Second Edition on which this book is based Table of Contents PART 1 GETTING STARTED WITH ORM 1 Understanding object relational persistence 2 Starting a project 3 Domain models and metadata 4 Working with Spring Data JPA PART 2 MAPPING STRATEGIES 5 Mapping persistent classes 6 Mapping value types 7 Mapping inheritance 8 Mapping collections and entity associations 9 Advanced entity association mappings PART 3 TRANSACTIONAL DATA PROCESSING 10 Managing data 11 Transactions and concurrency 12 Fetch plans strategies and profiles 13 Filtering data PART 4 BUILDING JAVA PERSISTENCE APPLICATIONS WITH SPRING 14 Integrating JPA and Hibernate with Spring 15 Working with Spring Data JDBC 16 Working with Spring Data REST PART 5 BUILDING JAVA PERSISTENCE APPLICATIONS WITH SPRING 17 Working with Spring Data MongoDB 18 Working with Hibernate OGM PART 6 WRITING QUERIES AND TESTING JAVA PERSISTENCE APPLICATIONS 19 Querying JPA with Querydsl 20 Testing Java persistence applications **Developing Java Applications with Spring and Spring Boot** Claudio Eduardo de Oliveira,Greg L. Turnquist,Alex Antonov,2018-10-04

An end to end software development guide for the Java eco system using the most advanced frameworks Spring and Spring Boot Learn the complete workflow by building projects and solving problems About This Book Learn reactive programming by implementing a reactive application with Spring WebFlux Create a robust and scalable messaging application with Spring messaging support Get up to date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5 Learn about developer tools AMQP messaging WebSockets security MongoDB data access REST and more This collection of effective recipes serves as guidelines for Spring Boot application development Who This Book Is For Java developers wanting to build production grade applications using the newest popular Spring tools for a rich end to end application development experience What You Will Learn Get to know the Spring Boot and understand how it makes creating robust applications extremely simple Understand how Spring Data helps us add persistence in MongoDB and SQL databases Implement a websocket to add interactive behaviors in your applications Create powerful production grade applications and services with minimal fuss Use custom metrics to track the number of messages published and consumed Build anything from lightweight unit tests to fully running embedded web container integration tests Learn effective testing techniques by integrating Cucumber and Spock Use Hashicorp Consul and Netflix Eureka for dynamic Service Discovery In Detail Spring Framework has become the most popular framework for Java development It not only simplifies software development but also improves developer productivity This book covers effective ways to develop robust applications in Java using Spring The course is up made of three modules each one having a take away relating to building end to end java applications The first module takes the approach of learning Spring frameworks by building applications You will learn to build APIs and integrate them with popular frameworks such as AngularJS Spring WebFlux and Spring Data You will also learn to build microservices using Spring's support for Kotlin You will learn about the Reactive paradigm in the Spring architecture using Project Reactor In the second module after getting hands on with Spring you will learn about the most popular tool in the Spring ecosystem Spring Boot You will learn to build applications with Spring Boot bundle them and deploy them on the cloud After learning to build applications with Spring Boot you will be able to use various tests that are an important part of application development We also cover the important developer tools such as AMQP messaging websockets security and more This will give you a good functional understanding of scalable development in the Spring ecosystem with Spring Boot In the third and final module you will tackle the most important challenges in Java application development with Spring Boot using practical recipes Including recipes for testing deployment monitoring and securing your applications This module will also address the functional and technical requirements for building enterprise applications By the end of the course you will be comfortable with using Spring and Spring Boot to develop Java applications and will have mastered the intricacies of production grade applications Style and approach A simple step by step guide with practical examples to help you develop and deploy Spring and Spring Boot applications in the real world Pro Spring 5 Iuliana Cosmina, Rob Harrop, Chris Schaefer, Clarence Ho, 2017-10-11

Master Spring basics and core topics and share the authors insights and real world experiences with remoting Hibernate and EJB Beyond the basics you ll learn how to leverage the Spring Framework to build the various tiers and parts of an enterprise Java application transactions web and presentation tiers deployment and much more A full sample application allows you to apply many of the technologies and techniques covered in Pro Spring 5 and see how they work together This book updates the perennial bestseller with the latest that the new Spring Framework 5 has to offer Now in its fifth edition this popular title is by far the most comprehensive and definitive treatment of Spring available It covers the new functional web framework and interoperability with Java 9 After reading this definitive book you ll be armed with the power of Spring to build complex Spring applications top to bottom The agile lightweight open source Spring Framework continues to be the de facto leading enterprise Java application development framework for today s Java programmers and developers It works with other leading open source agile and lightweight Java technologies such as Hibernate Groovy MyBatis and more Spring now works with Java EE and JPA 2 as well What You ll Learn Discover what s new in Spring Framework 5 Use the Spring Framework with Java 9 Master data access and transactions Work with the new functional web framework Create microservices and other web services Who This Book Is For Experienced Java and enterprise Java developers and programmers Some experience with Spring highly recommended *Pivotal Certified Professional Core Spring 5 Developer Exam* Iuliana Cosmina,2019-12-10 Pass the Pivotal Certified Professional exam for Core Spring based on the latest Spring Framework 5 using source code examples study summaries and mock exams This book now includes WebFlux reactive programming and more found in Spring 5 You ll find a descriptive overview of certification related Spring modules and a single example application demonstrating the use of all required Spring modules Furthermore in Pivotal Certified Professional Core Spring 5 Developer Exam Second Edition each chapter contains a brief study summary and question set and the book s free downloadable source code package includes one mock exam 50 questions like a real exam After using this study guide you will be ready to take and pass the Pivotal Certified Professional exam When you become Pivotal Certified you will have one of the most valuable credentials in Java Pivotal certification helps you advance your skills and your career and get the maximum benefit from Spring Passing the exam demonstrates your understanding of Spring and validates your familiarity with container basics aspect oriented programming AOP data access and transactions Spring Security Spring Boot microservices and Spring model view controller MVC Good luck What You Will Learn Understand the core principles of Spring Framework 5 Use dependency injection Work with aspects in Spring and do AOP aspect oriented programming Control transactional behavior and work with SQL and NoSQL databases Create and secure web applications based on Spring MVC Get to know the format of the exam and the type of questions in it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam Pro Spring Clarence Ho,Rob Harrop,Chris Schaefer,2014-09-16 Pro Spring updates the perennial bestseller with the latest that the Spring

Framework 4 has to offer Now in its fourth edition this popular book is by far the most comprehensive and definitive treatment of Spring available With Pro Spring you ll learn Spring basics and core topics and share the authors insights and real world experiences with remoting Hibernate and EJB Beyond the basics you ll learn how to leverage the Spring Framework to build the various tiers or parts of an enterprise Java application transactions web and presentation tiers deployment and much more A full sample application allows you to apply many of the technologies and techniques covered in this book and see how they work together The agile lightweight open source Spring Framework continues to be the de facto leading enterprise Java application development framework for today s Java programmers and developers It works with other leading open source agile and lightweight Java technologies such as Hibernate Groovy MyBatis and more Spring now works with Java EE and JPA 2 as well After reading this definitive book you ll be armed with the power of Spring to build complex Spring applications top to bottom

Practical Spring LDAP Balaji Varanasi,2013-10-28 Practical Spring LDAP is your guide to developing Java based enterprise applications using the Spring LDAP Framework This book explains the purpose and fundamental concepts of LDAP before giving a comprehensive tour of the latest version Spring LDAP 1 3 2 It provides a detailed treatment of LDAP controls and the new features of Spring LDAP 1 3 2 such as Object Directory Mapping and LDIF parsing LDAP has become the de facto standard for storing and accessing information in enterprises Despite its widespread adoption developers often struggle when it comes to using this technology effectively The traditional JNDI approach has proven to be painful and has resulted in complex less modular applications The Spring LDAP Framework provides an ideal alternative What you ll learnA simpler approach to developing enterprise applications with Spring LDAPClear working code samples with unit integration testsAdvanced features such as transactions and connection poolingA deeper look at LDAP search and out of the box filters supplied by the frameworkNew features such as Object Directory Mapping and LDIF parsingDetailed treatment of search controls and paged result implementationHelpful tips that can save time and frustrationWho this book is for This book is ideal for anyone with Java and Spring development experience who wants to master the intricacies of Spring LDAP Table of Contents1 Introduction to LDAP 2 Java Support for LDAP 3 Introducing Spring LDAP 4 Testing LDAP Code 5 Advanced Spring LDAP 6 Searching LDAP 7 Sorting and Paging Results 8 Object Directory Mapping 9 LDAP Transactions 10 Odds and Ends

Spring MVC: A Tutorial (Second Edition) Paul Deck,2016-04-01 This is a tutorial on Spring MVC a module in the Spring Framework for rapidly developing web applications The MVC in Spring MVC stands for Model View Controller a design pattern widely used in Graphical User Interface GUI development This pattern is not only common in web development but is also used in desktop technology like Java Swing Sometimes called Spring Web MVC Spring MVC is one of the most popular web frameworks today and a most sought after skill This book is for anyone wishing to learn to develop Java based web applications with Spring MVC Sample applications come as Spring Tool Suite and Eclipse projects

Real-World Java Victor Grazi,Jeanne Boyarsky,2025-01-14 A concise handbook for the most

common tools used in modern Java development Good Java developers learn Java syntax how to create loops and switches and can work out a lambda filter stream But great Java developers need to understand the vast ecosystem of tools and frameworks for collaboration testing building and more In Real World Java Helping You Navigate the Java Ecosystem a team of veteran Java developers delivers a concise and authoritative discussion of the most common frameworks tools and techniques used in enterprise Java development shops The authors provide just enough background and examples to allow you to dive right into the expert guidance on annotations logging frameworks observability performance tuning testing tools and collaboration that real life commercial Java development typically relies on You ll expand your Java development toolkit with frameworks and utilities like Spring Git Prometheus and Project Lombok You ll also discover links to tested downloadable code examples that demonstrate the skills discussed in the book Real World Java is the perfect resource for everyone already somewhat comfortable with the language but who wants to familiarize themselves with the tools and frameworks used in contemporary Java software development

Spring MVC: Designing Real-World Web Applications

Shameer Kunjumohamed,Hamidreza Sattari,Alex Bretet,Geoffroy Warin,2016-11-11 Unleash the power of Spring MVC and build enterprise grade lightning fast web applications About This Book Configure Spring MVC to build logic less controllers that transparently support the most advanced web techniques Secure your developments with easy to write reliable unit and end to end tests Get this fast paced practical guide to produce REST resources and templates as required by the latest front end best practices Who This Book Is For This Learning Path is for Java developers who want to exploit Spring MVC and its features to build web applications It will help you step up in your career and stay up to date or learn more about Spring s web scalability What You Will Learn Set up and build standalone and web based projects using Spring Framework with Maven or Gradle Develop RESTful API applications for XML and JSON data transfers Investigate Spring data access mechanisms with Spring Data Repositories Generate templates for a responsive and powerful front end with AngularJS and Bootstrap Authenticate over REST with a BASIC authentication scheme and OAuth2 handle roles and permissions Communicate through WebSocket and STOMP messages Design complex advanced level forms and validate the model Create maintainable unit and acceptance tests to secure the apps Deploy the web application to the cloud in a snap In Detail Spring MVC helps you build flexible and loosely coupled web applications The Spring MVC Framework is designed in such a way that every piece of logic and functionality is highly configurable This Learning Path aims to make you an expert in designing web applications with Spring MVC 4 In our first module we ll begin with an introduction to the Spring framework You ll then learn aspect oriented programming Packed with real world examples you ll get an insight into how you can use Spring Expression Language in your applications to make them easier to manage and maintain In the second module you ll learn everything you need to build modern Spring based enterprise web applications From practical development techniques and useful tools from the wider Spring ecosystem to the new JEE standards the impact of JavaScript and even the Internet of

Things you'll feel confident that you can deploy Spring for an impressive range of creative purposes. In the final module you'll find out how to take advantage of Spring MVC's advanced features essential if you are to properly master the framework. To do this you'll investigate the inner mechanics of Spring MVC and how they tie into the broader principles that inform many modern web architectures. With further guidance on how to test, secure, and optimize your application as well as designing RESTful services, you'll very quickly be ready to use Spring in your next web project. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products:

- Spring Essentials** by Shameer Kunjumohamed Hamidreza Sattari
- Spring MVC Cookbook** by Alex Bretet
- Mastering Spring MVC 4** by Geoffroy Warin

Style and approach: This is a hands-on practical guide based on logical modules of the whole Spring framework family, employing a combination of theory and examples with pro-level practices, techniques, and solutions.

Pro Spring Boot 2 Felipe Gutierrez, 2018-12-12

Quickly and productively develop complex Spring applications and microservices out of the box with minimal concern over things like configurations. This revised book will show you how to fully leverage the Spring Boot 2 technology and how to apply it to create enterprise-ready applications that just work. It will also cover what's been added to the new Spring Boot 2 release, including Spring Framework 5 features like WebFlux, Security, Actuator, and the new way to expose metrics through Micrometer framework and more. This book is your authoritative hands-on practical guide for increasing your enterprise Java and cloud application productivity while decreasing development time. It's a no-nonsense guide with case studies of increasing complexity throughout the book. The author, a senior solutions architect and Principal Technical instructor with Pivotal (the company behind the Spring Framework), shares his experience, insights, and first-hand knowledge about how Spring Boot technology works and best practices.

Pro Spring Boot 2 is an essential book for your Spring learning and reference library.

What You Will Learn:

- Configure and use Spring Boot
- Use non-functional requirements with Spring Boot Actuator
- Carry out web development with Spring Boot
- Persistence with JDBC, JPA, and NoSQL Databases
- Messaging with JMS, RabbitMQ, and WebSockets
- Test and deploy with Spring Boot
- A quick look at the Spring Cloud projects
- Microservices and deployment to the Cloud
- Extend Spring Boot by creating your own Spring Boot Starter
- Enable features

Who This Book Is For: Experienced Spring and Java developers seeking increased productivity, gains, and decreased complexity and development time in their applications and software services.

Spring Security in Action, Second Edition Laurentiu Spilca, 2024-06-25

Don't let security be an afterthought. **Spring Security in Action, Second Edition** is your vital companion to robust, secure applications that are protected right from the first line of code. **Spring Security in Action, Second Edition** is a revised version of the bestselling original, fully updated for Spring Boot 3 and OAuth2 OpenID Connect. In **Spring Security in Action, Second Edition**, you will learn essential security skills, including how to implement and customize authentication and authorization. Set up all components of an OAuth2 OpenID Connect system. Utilize CSRF and CORS configurations. Secure Spring reactive applications. Write tests for security configurations. Whether you're a beginner

or a pro Spring Security in Action Second Edition teaches you how to secure your Java applications from the ground up. Author Laurentiu Spilca distills his years of experience as a skilled Java and Spring developer into an indispensable guide to everything security from authentication and authorization to testing security configurations. This new edition covers the latest patterns for application level security in Spring apps demonstrating how Spring Security simplifies every step of the security process. Foreword by Joe Grandja. About the technology Spring Security makes it much much easier to secure enterprise scale Java applications. This powerful framework integrates with Spring apps end to end with secure by design principles and ready to use features that help you implement robust authorization and authentication and protect against data theft and intrusions. And like everything else in the Spring ecosystem it's free open source and backed by the awesome team at VMware. About the book Spring Security in Action Second Edition updates this bestselling guide to Spring Security to include deep coverage of OAuth2, OpenID Connect and security configuration using the new SecurityFilterChain. The crystal clear explanations and relevant examples teach you how to build your own authorization server, configure secure endpoints and prevent cross site scripting and request forgery attacks. What's inside Custom authentication and authorization, CSRF and CORS configurations, Secure Spring reactive applications, Write tests for security configurations. About the reader For experienced Java and Spring developers. About the author Laurentiu Spilca is a skilled Java and Spring developer and an experienced technology instructor. He is also the author of Manning's Spring Start Here and Troubleshooting Java. Table of Contents

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Pro Spring 3 Rob Harrop, Clarence Ho, 2012-06-13 The agile lightweight open source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open source agile and lightweight Java technologies like Hibernate, Groovy, MyBatis and more. Spring now also works with Java EE and JPA 2 as well. Pro Spring 3 updates the bestselling Pro Spring with the latest that the Spring Framework has to offer, version 3.1. At 1000 pages, this is by far the most comprehensive Spring book available, thoroughly exploring the power of Spring. With Pro Spring 3 you'll learn Spring basics and core topics and gain access to the authors' insights and real world experiences with remoting, Hibernate and EJB. Beyond the basics you'll learn how to leverage the Spring Framework to build various tiers or parts of an enterprise Java application like transactions, the web and presentations tiers, deployment and much more. A full sample application allows you to apply many of the

technologies and techniques covered in this book and see how they work together After reading this definitive book you ll be armed with the power of Spring to build complex Spring applications top to bottom *Spring MVC Beginner's Guide* Amuthan G,2014-06-25 A step by step pragmatic approach to web application development using Spring MVC with relevant screenshots and concise explanations This book is aimed at helping Java developers who want to teach themselves Spring MVC even if they have no previous experience with Spring MVC It would be helpful to have a bit of familiarity with basic servlet programming concepts but no prior experience is required **Spring Recipes** Gary Mak,Daniel Rubio,Josh Long,2010-12-28 The Spring framework is growing It has always been about choice Java EE focused on a few technologies largely to the detriment of alternative better solutions When the Spring framework debuted few would have agreed that Java EE represented the best in breed architectures of the day Spring debuted to great fanfare because it sought to simplify Java EE Each release since marks the introduction of new features designed to both simplify and enable solutions With version 2 0 and later the Spring framework started targeting multiple platforms The framework provided services on top of existing platforms as always but was decoupled from the underlying platform wherever possible Java EE is a still a major reference point but it s not the only target OSGi a promising technology for modular architectures has been a big part of the SpringSource strategy here Additionally the Spring framework runs on Google App Engine With the introduction of annotation centric frameworks andXML schemas SpringSource has built frameworks that effectively model the domain of a specific problem in effect creating domain specific languages DSLs Frameworks built on top of the Spring framework have emerged supporting application integration batch processing Flex and Flash integration GWT OSGi and much more

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Reference Guide Java Spring Introduction

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