Pivotal Certified Professional Core Spring 5 Developer Exam

A Study Guide Using Spring Framework 5

Second Edition

Iuliana Cosmina

Pivotal Certified Professional Spring Developer Exam

Rob Harrop,Jan Machacek

Pivotal Certified Professional Spring Developer Exam:

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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

   <u>Recent Advances in Signals and Systems</u> Omid Ansary,Meng Lin,B. R. Shivakumar,2024-11-19 This book comprises select peer reviewed papers from the International Conference on VLSI Signal Processing Power Electronics IoT Communication and Embedded Systems VSPICE 2023 The book provides insights into various aspects of electronics and communication engineering as a holistic approach The various topics covered in this book include VLSI embedded systems signal processing communication power electronics and the Internet of Things The contents mainly focus on the most recent innovations trends concerns and practical challenges and their solutions This book is useful for academicians professionals and researchers in the area of electronics and communications and electrical engineering **Information Technology and Systems** Alvaro Rocha,Carlos Ferrás,Hiram Calvo,2025-07-26 This book comprises papers written in English and accepted for presentation and discussion at the 2025 International Conference on Information Technology Organizational Models and Information Systems Software and Systems Modeling Software Systems Architectures Applications and Tools Multimedia Systems and Applications Computer Networks Mobility and Pervasive Systems Intelligent and Decision Support Systems Big Data Analytics and Applications Human Computer Interaction Ethics Computers and Security Health Informatics Information Technologies in Education Media Applied Technology and Communication The primary audience for this book includes postgraduate students and researchers in the field of Information Systems and Technologies The secondary audience consists of undergraduate students and professionals working in related domains **Spring Certified Professional** David Mayer,2021-03 Are you preparing for SPRING Certifications and looking for the most comprehensive guide in the industry If you answered yes to this question then this is the perfect educational and informative book for you Hi Welcome to SPRING Exam Study Guide All in One This study guide provides the student with all the skills needed to pass the SPRING Certification exam Join over 50 000 I T specialists who are certified and amplify your skills Use the knowledge and skills you gain from this guide to elevate your incredible career in the I T field This study guide is designed for individuals interested in

gaining a focused understanding to become certified This guide will cover all aspects of the exam providing you with the peace of mind you need to achieve 100% success The author begins by discussing an introduction of the exam in which he has outlined the solid foundational information of the concepts and a basic understanding Certification helps you become a better specialist and hones your skills to the highest level That s what makes this book special Basics and fundamentals of the SPRING exams Sample practice test for SPRING 50% discount on our exam simulators Detailed explanation of answers 100% verified answers and explanations for every question By the end of this book you will be ready to take the SPRING Certification exams Finishing this book will provide a complete understanding and thorough knowledge of all the tools 100% guaranteed success Much much more Are you interested Then scroll up click on Buy Now with 1 Click and get your copy now Plus you ll get 50% off the simulator To get the simulator discount you must send your purchase receipt to the email address listed in the eBook   *Pivotal Certified Spring Enterprise Integration Specialist Exam* Lubos Krnac,2015-11-13 Exam topics covered include tasks and scheduling remoting the Spring Web Services framework RESTful services with Spring MVC the Spring JMS module JMS and JTA transactions with Spring batch processing with Spring Batch and the Spring Integration framework Prepare with confidence for the Pivotal Enterprise Integration with Spring Exam One of the important aspects of this book is a focus on new and modern abstractions provided by Spring Therefore most of the features are shown with Java annotations alongside established XML configurations Most of the examples in the book are also based on the Spring Boot framework Spring Boot adoption is exponential because of its capability to significantly simplify Spring configuration using sensible opinionated defaults But Spring Boot is not the target of the exam therefore all the features are also covered with plain Spring configuration examples How to use Spring to create concurrent applications and schedule tasks How to do remoting to implement client server applications How to work with Spring Web services to create loosely coupled Web services and clients How to use Spring MVC to create RESTful web services and clients How to integrate JMS for asynchronous messaging based communication How to use local JMS transactions with Spring How to configure global JTA transactions with Spring How to use Spring Integration to create event driven pipes and filters architectures and integrate with external applications How to use Spring Batch for managed scalable batch processing that is based on both custom and built in processing components   **Practice Question of VMWARE Certified Spring Professional Certification - Latest 2022** M J Iqbal,Exam Jin,2022-09-05 Certificate Introduction The VMware Certified Spring Professional certification is an exam and validation of your expertise in fundamental Spring and Spring Boot concepts Just what does the VMware Certified Spring Professional training entail The VMware Certified Spring Professional course now has a wide variety of VMware Certified Spring Professional examinations available for students to take There are four distinct sets of practise tests each with its own set of simulated exam questions Each topic area on the VMware Certified Spring Professional test is represented by a proportionate number of questions In addition to providing in depth analyses of every question and thorough

explanations of everything else the practise exams for the VMware Certified Spring Professional certification offer the greatest simulation available ExamJin VMware Certified Spring Professional practise tests are unique in that they offer detailed reports on each candidate s areas of strength and improvement Does the VMware Certified Spring Professional certification test have a recommended prerequisite Candidate expertise with Java development and build technologies such as Gradle or Maven is required but not strictly necessary for enrollment in the exam Knowledge of an integrated development environment IDE like IntelliJ or Eclipse is also highly desirable How long does it take for a VMware Certified Spring Professional certification to expire VMware Certified Spring Professional credentials are valid until a later release of the corresponding technology is made available to the general public Can you tell me about the skills tested on the VMware Certified Spring Professional certification The goal of the VMware Certified Spring Professional exam is to test takers mastery of fundamental Spring and Spring Boot concepts The exam will test your knowledge and skills in areas such as auto configuration Spring Boot testing and actuator in addition to configuration AOP component scanning REST Spring Security data access and transactions   **Spring 5: End-To-End Programming** Claudio Eduardo de Oliveira,Dinesh Rajput,Rajesh R V,2018-12-19 Leverage the rich and mature Spring 5 Framework to quickly build and deploy production ready microservices within the Java and JVM ecosystem Key Features Explore the Spring Framework by building three real world projects Master efficient application development with proxy and singleton patterns Use Docker and Apache Mesos to build successful microservices Book Description When it comes to developing applications for the web or enterprises the Spring Framework has become one of the most popular choices among Java developers With an array of tools and features Spring offers developers experience that is rivaled by none Spring 5 End to End Programming is all about leveraging these features and developing your own business applications with hands on examples You will create applications of increasing complexity such as a CMS app a messaging app and a real world microservice While developing these applications you will learn about Project Reactor in Spring Spring Webflux Spring Data and Angular You will also develop these applications using standard design patterns in Spring helping you to solve common design problems with ease By the end of this Learning Path you will be well equipped to develop enterprise applications on the web using Spring 5 This Learning Path includes content from the following Packt products Spring 5 0 By Example by Claudio Eduardo de Oliveira Spring 5 Design Patterns by Dinesh Rajput Spring 5 0 Microservices by Rajesh R V What you will learn Implement REST APIs with Spring REST support Introduce Reactive Programming and use this with Spring Webflux Develop applications using dependency injection patterns Learn best practices to design enterprise applications Build web applications using traditional Spring MVC patterns Implement caching to improve application performance Handle logging and monitoring microservices Manage internet scale microservices using Docker Mesos and Marathon Who this book is for If you re a developer starting out with Spring then this learning path will help you understand new Spring 5 0 framework concepts followed by their implementation in Java and

Kotlin If you are an experienced Spring developer then this Learning Path will enable you to gain insight into the new Spring 5 0 features **Spring 5.0 Projects** Nilang Patel,2019-02-28 Discover the latest features of Spring framework by building robust fast and reactive web applications Key FeaturesTake advantage of all the features of Spring 5 0 with third party tools to build a robust back endSecure Spring based web application using Spring Security framework with LDAP and OAuth protocolDevelop robust and scalable microservice based applications on Spring Cloud using Spring BootBook Description Spring makes it easy to create RESTful applications merge with social services communicate with modern databases secure your system and make your code modular and easy to test With the arrival of Spring Boot developers can really focus on the code and deliver great value with minimal contour This book will show you how to build various projects in Spring 5 0 using its features and third party tools We ll start by creating a web application using Spring MVC Spring Data the World Bank API for some statistics on different countries and MySQL database Moving ahead you ll build a RESTful web services application using Spring WebFlux framework You ll be then taken through creating a Spring Boot based simple blog management system which uses Elasticsearch as the data store Then you ll use Spring Security with the LDAP libraries for authenticating users and create a central authentication and authorization server using OAuth 2 protocol Further you ll understand how to create Spring Boot based monolithic application using JHipster Toward the end we ll create an online book store with microservice architecture using Spring Cloud and Netflix OSS components and a task management system using Spring and Kotlin By the end of the book you ll be able to create coherent and flexible real time web applications using Spring Framework What you will learnBuild Spring based application using Bootstrap template and JQueryUnderstand the Spring WebFlux framework and how it uses Reactor libraryInteract with Elasticsearch for indexing querying and aggregating dataCreate a simple monolithic application using JHipsterUse Spring Security and Spring Security LDAP and OAuth libraries for AuthenticationDevelop a microservice based application with Spring Cloud and NetflixWork on Spring Framework with KotlinWho this book is for This book is for competent Spring developers who wish to understand how to develop complex yet flexible applications with Spring You must have a good knowledge of Java programming and be familiar with the basics of Spring *Professional Java Development with the Spring Framework* Rod Johnson,2005-07-08 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 *Building Microservices with Spring* Dinesh Rajput,Rajesh R V,2018-12-21 Learn and use the design patterns and best practices in Spring to solve common design problems and build user friendly microservices Key FeaturesStudy the benefits of using the right design pattern in your toolkitManage your code easily with Spring s dependency injection patternExplore the features of Docker and Mesos to build successful microservicesBook Description Getting Started with Spring Microservices begins with an overview of the Spring Framework 5 0 its design patterns and its guidelines that enable you to implement responsive microservices at scale You will learn how to use GoF patterns in application design You will understand the dependency injection pattern which is the main principle behind the decoupling process of the Spring Framework and makes it easier to manage your code Then you will learn how to use proxy patterns in aspect oriented programming and remoting Moving on you will understand the JDBC template patterns and their use in abstracting database access After understanding the basics you will move on to more advanced topics such as reactive streams and concurrency Written to the latest specifications of Spring that focuses on Reactive Programming the Learning Path teaches you how to build modern internet scale Java applications in no time Next you will understand how Spring Boot is used to deploying serverless autonomous services by removing the need to have a heavyweight application server You ll also explore ways to deploy your microservices to Docker and managing them with Mesos By the end of this Learning Path you will have the clarity and confidence for implementing microservices using Spring Framework This Learning Path includes content from the following Packt products Spring 5 Microservices by Rajesh R V Spring 5 Design Patterns by Dinesh RajputWhat you will learnDevelop applications using dependency injection patternsBuild web applications using traditional Spring MVC patternsUtilize the reactive programming pattern to build reactive web appsLearn concurrency and handle multiple connections inside a web serverUse Spring Boot and Spring Cloud to develop microservicesLeverage reactive programming to build cloud native applicationsWho this book is for Getting Started with Spring Microservices is ideal for Spring developers who want to use design patterns to solve common design problems and build cloud ready Internet scale applications and simple RESTful services *Spring 5 Design Patterns* , Dinesh Rajput,2017-10-06 Learn various design patterns and best practices in Spring 5 and use them to solve common design problems About This Book Explore best

practices for designing an application Manage your code easily with Spring s Dependency Injection pattern Understand the benefits that the right design patterns can offer your toolkit Who This Book Is For This book is for developers who would like to use design patterns to address common problems while designing an app using the Spring Framework and Reactive Programming approach A basic knowledge of the Spring Framework and Java is assumed What You Will Learn Develop applications using dependency injection patterns Learn best practices to design enterprise applications Explore Aspect Oriented Programming relating to transactions security and caching Build web applications using traditional Spring MVC patterns Learn to configure Spring using XML annotations and Java Implement caching to improve application performance Understand concurrency and handle multiple connections inside a web server Utilizing Reactive Programming Pattern to build Reactive web applications In Detail Design patterns help speed up the development process by offering well tested and proven solutions to common problems These patterns coupled with the Spring framework offer tremendous improvements in the development process The book begins with an overview of Spring Framework 5 0 and design patterns You will understand the Dependency Injection pattern which is the main principle behind the decoupling process that Spring performs thus making it easier to manage your code You will learn how GoF patterns can be used in Application Design You will then learn to use Proxy patterns in Aspect Oriented Programming and remoting Moving on you will understand the JDBC template patterns and their use in abstracting database access Then you will be introduced to MVC patterns to build Reactive web applications Finally you will move on to more advanced topics such as Reactive streams and Concurrency At the end of this book you will be well equipped to develop efficient enterprise applications using Spring 5 with common design patterns Style and approach The book takes a pragmatic approach showing various design patterns and best practice considerations including the Reactive programming approach with the Spring 5 Framework and ways to solve common development and design problems for enterprise applications   **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 to 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

Spring 5 Design Patterns Dinesh Rajput,2017-10-06 Learn various design patterns and best practices in Spring 5 and use them to solve common design problems About This Book Explore best practices for designing an application Manage your code easily with Spring s Dependency Injection pattern Understand the benefits that the right design patterns can offer your toolkitWho This Book Is ForThis book is for developers who would like to use design patterns to address common problems while designing an app using the Spring Framework and Reactive Programming approach A basic knowledge of the Spring Framework and Java is assumed What You Will Learn Develop applications using dependency injection patterns Learn best practices to design enterprise applications Explore Aspect Oriented Programming relating to transactions security and caching Build web applications using traditional Spring MVC patterns Learn to configure Spring using XML annotations and Java Implement caching to improve application performance Understand concurrency and handle multiple connections inside a web server Utilizing Reactive Programming Pattern to build Reactive web applications In DetailDesign patterns help speed up the development process by offering well tested and proven solutions to common problems These patterns coupled with the Spring framework offer tremendous improvements in the development process The book begins with an overview of

Spring Framework 5 0 and design patterns You will understand the Dependency Injection pattern which is the main principle behind the decoupling process that Spring performs thus making it easier to manage your code You will learn how GoF patterns can be used in Application Design You will then learn to use Proxy patterns in Aspect Oriented Programming and remoting Moving on you will understand the JDBC template patterns and their use in abstracting database access Then you will be introduced to MVC patterns to build Reactive web applications Finally you will move on to more advanced topics such as Reactive streams and Concurrency At the end of this book you will be well equipped to develop efficient enterprise applications using Spring 5 with common design patternsStyle and approachThe book takes a pragmatic approach showing various design patterns and best practice considerations including the Reactive programming approach with the Spring 5 Framework and ways to solve common development and design problems for enterprise applications   *Pro Spring* Rob Harrop,Jan Machacek,2006-11-22 Spring the open source Java based framework allows you to build lighter better performing applications Written by Spring insiders Rob Harrop and Jan Machacek Pro Spring is the only book endorsed by Rod Johnson founder of the Spring Framework At over 800 pages this is by far the most comprehensive book available and thoroughly explores the power of Spring You ll learn Spring basics and core topics as well as share the authors insights and real world experience with remoting mail integration hibernate and EJB From the foreword Rob s enthusiasm for Spring and technology in general is infectious He has a wide range of industry experience and a refreshingly practical common sense approach to applying it All those qualities come out in this book It s evident on nearly every page that it reflects in depth experience with Spring and J2EE as a whole Rob is not only an author and open source developer he is an application developer like his readers I firmly believe that the best writing on software development comes out of experience in the trenches so this is my kind of book If you re new to Spring this book will help you understand its core concepts and the background in areas such as transaction management and O R mapping that underpins them If you re already using Spring you will learn about features you haven t yet seen and hopefully gain a deeper understanding of those features youre already using Rod Johnson Founder of the Spring Framework   **Pro Spring MVC: With Web Flow** Marten Deinum,Koen Serneels,Colin Yates,Seth Ladd,Erwin Vervaet,Christophe Vanfleteren,2012-10-06 Pro Spring MVC provides in depth coverage of Spring MVC and Spring Web Flow two highly customizable and powerful web frameworks brought to you by the developers and community of the Spring Framework Spring MVC is a modern web application framework built upon the Spring Framework and Spring Web Flow is a project that complements Spring MVC for building reusable web controller modules that encapsulate rich page navigation rules Along with detailed analysis of the code and functionality plus the first published coverage of Spring Web Flow 2 x this book includes numerous tips and tricks to help you get the most out of Spring MVC Spring Web Flow and web development in general Spring MVC and Spring Web Flow have been upgraded in the new Spring Framework 3 1 and are engineered with important considerations for design patterns and expert object oriented programming techniques This book

explains not only the design decisions of the frameworks but also how you can apply similar designs and techniques to your own code This book takes great care in covering every inch of Spring MVC and Spring Web Flow to give you the complete picture Along with all the best known features of these frameworks you ll discover some new hidden treasures You ll also learn how to correctly and safely extend the frameworks to create customized solutions This book is for anyone who wishes to write robust modern and useful web applications with the Spring Framework   **Grokking The Spring Boot Interview** Javin Paul,2021-06-23 Java and Spring Developer Interviews are notoriously tough not because they ask impossible algorithmic questions like Google or Amazon but because of the vast nature of Java API Frameworks and Libraries It s not enough for you to just know Java and expect that you will be able to clear Java Interviews In order to pass the Java Interviews you should also know essential Java frameworks like Spring Spring Boot and Hibernate In my previous book Grokking the Java Interview I touched upon essential core Java topics like Collections Multithreading and Java Fundamentals and in this book I have shared common Spring Framework questions from Job interviews Spring Framework is the most popular and almost a standard framework for developing Java applications both core java as well as Java web application which runs on servers like Tomcat Like Java Spring Framework is also very vast and there are several sub projects like Containers Core Spring Concepts like IoC and Dependency Injection Spring MVC Spring Boot Spring Data JPA Testing and miscellaneous Spring APIs This book contains frequently asked questions from essential Spring topics like 1 Container Dependency and IOC 2 Spring Bean Lifecycle 3 Aspect Oriented Programming AOP 4 Spring MVC 5 Spring Boot Intro 6 Spring Boot Auto Configuration 7 Spring Boot Starter Dependency 8 Spring Boot Actuator 9 Spring Boot CLI 10 Spring Boot Testing 11 Spring Cloud Questions 12 Spring Data JPA 13 Spring Security These questions are a compilation of my best Spring Boto articles which have been read by millions of Java developers and it is also my 10 years of experience writing Java and Spring articles tutorials and interview questions If you are preparing for Java and Spring Boot interviews then I highly recommend you to go through these Spring Boot and Spring questions before your telephonic or face to face interviews you will not only gain confidence and knowledge to answer the question but also learn how to drive Java interview in your favor This book is also useful for Java developers who are preparing for the Spring Professional Certification Exam because I have tried to answer most of the questions from the Official Spring Certification Exam guide This means you can use this as a review study guide for your spring certification preparation as well All the best for the Java interview and if you have any questions or feedback you can always contact me on Twitter javinpaul or comment on my blogs Javarevisited and Java67   **Introducing Spring Framework** Felipe Gutierrez,2014-07-04 Introducing Spring Framework is your hands on guide to learning to build applications using the Spring Framework The book uses a simple My Documents application that you will develop incrementally over the course of the book and covers How to programmatically configure the Spring container and beans How to use annotations for dependency injection How to use collections and custom types How to customize and configure

bean properties and bean lifecycle interfaces How to handle metadata using XML annotations and the Groovy bean reader How to use the new Spring Boot and Spring XD After reading this book you will have all you need to start using the Spring Framework effectively *Blue Prism MasterClass: Developer & Professional Developer* Prasanna Kumar Ballepalli,2019-11-10 A course in a book for passing Blue Prism certification exams Blue Prism certification exams are quite intensive and require advanced knowledge of Blue Prism concepts This edition includes scenario based questions which comprise many of the questions found on the exam as well as some challenging shorter questions This edition includes hundreds of sample questions and critical time saving tips from each of knowledge areas presented in the Blue Prism exam syllabus for developer and professional developer certifications These references provide an understanding of the types of exam questions that fall within each of the Blue Prism concepts It also includes questions specifically related to knowledge areas and the various inputs tools and techniques and outputs An essential self study resource that can help to increase your chances of passing the Blue Prism certification exam the first time This book helps you to Ensure you pass the exam on your FIRST attempt Focus on exam preparation Acquire valuable tools and techniques for development Decrease your study time by hundreds of hours

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Pivotal Certified Professional Spring Developer Exam Introduction

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