
Pivotal Certified Professional Spring Developer Exam

Spring in Action

Pro Spring 5

A Study Guide

Learn to Program the Fundamentals the Java 9+
Way

Master design patterns of the Spring framework
to build smart, efficient microservices

Exam 1Z0-816 and Exam 1Z0-817

Practical Cassandra

Learn Microservices with Spring Boot

OCP Oracle Certified Professional Java SE 11

Developer Complete Study Guide

A Pocket Handbook for Spring Framework, Spring
Boot, and More

Exam 1Z0-809

A Problem-Solution Approach

AWS Certified Solutions Architect Official Study
Guide

Step-by-step guide to design and develop
intuitive full stack web applications

Modern Finite Batch Processing in the Cloud

Build modern, cloud-native, and distributed
systems using Spring Boot

A Study Guide

Pro Spring Security
Pivotal Certified Professional Core Spring 5
Developer Exam
Cloud Native Spring in Action
OCP Oracle Certified Professional Java SE 11
Programmer II Study Guide
Pivotal Certified Spring Web Application
Developer Exam
Spring 5 Design Patterns
Spring Start Here
Spring Boot in Action
Build seven web development projects with
Spring MVC, Angular 6, JHipster, WebFlux, and
Spring Boot 2
A Study Guide
The Definitive Guide to Spring Batch
Exam 1Z0-815, Exam 1Z0-816, and Exam
1Z0-817
Pivotal Certified Professional Spring Developer
Exam
Java 17 for Absolute Beginners
Spring Boot Persistence Best Practices
OCP Oracle Certified Professional Java SE 11
Developer Practice Tests
Cloud Native Java
Spring Microservices in Action, Second Edition
A Guide to Junos for the SRX Services Gateways
and Security Certification
Spring Quick Reference Guide
Associate Exam
A performance engineer's guide to the
continuous testing and monitoring of

microservices

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Professional
Spring
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HEAVEN PITTS

Spring in Action

"O'Reilly
Media, Inc."
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. Pro Spring 5 Apress Cloud Native Spring in Action teaches you effective Spring and Kubernetes cloud development techniques that you can immediately apply to enterprise-grade applications. To really benefit from the reliability and scalability you get with

cloud platforms, your applications need to be designed for that environment. Cloud Native Spring in Action is a practical guide for planning, designing, and building your first cloud native apps using the powerful, industry-standard Spring framework Cloud Native Spring in Action teaches you effective Spring and Kubernetes cloud development techniques

that you can immediately apply to enterprise-grade applications. As you develop an online bookshop, you'll learn how to build and test a cloud native app with Spring, containerize it with Docker, and deploy it to the public cloud with Kubernetes. Including coverage of security, continuous delivery, and configuration, this hands-on guide is the perfect primer for navigating

the increasingly complex cloud landscape. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. [A Study Guide](#) John Wiley & Sons Let us full stack development with Spring Boot and React JS. DESCRIPTION Designing Application with Spring Boot 2 & React JS is divided into three parts. The first part introduces you to the

essentials of the Spring Boot 2.2 Framework and you will learn how to create REST APIs and how to secure REST APIs. Part 2 steps behind the front end application development with React JS and discuss React features and its advantages toward the front end application development. Part 3 expands on that by showing how to deploy backend and frontend application

the PaaS platform and also will discuss how to deploy application container technologies such as Docker. **KEY FEATURES** ● This book has a very specific goal to make developing REST applications easier and focusing on common challenges of the design of the application with best practices. ● This book is providing practical code examples from real-world

experiences. ● This book is not only about Spring Boot 2.2 and React JS overview but also has an in-depth discussion about adopted REST Architectural pattern and its constraints to create the REST APIs. ● The book can act as a tool for learning Spring Boot 2.2 and React JS for the first time as well as a guide and reference for those wanting to dig deeper into specific features. ● This book is also providing deeper

information about the Spring Security and JWT token-based authentication for your REST applications. ● This does not only provide information about to design an application using Spring Boot and React JS but also providing how to deploy your application to the cloud platform (PaaS). ● Containerizati on using Docker is another key feature of this book, how to

create a Docker image and how to run it. **WHAT WILL YOU LEARN** ● Exploring Spring Boot 2.2 new features and essential key components such as Starters, Autoconfiguration, CLI, Actuator. ● Develop a REST application using Spring Boot 2.2 and DevTools. ● Exploring Spring Boot Auto Configuration and Customization . ● Creating application profiles based

on the environments. ● Learn to configure backend data using JDBC and Spring Data JPA. ● Learn to configure a DataSource for H2 DB, and also for Maria DB. ● Learn best practices for designing a REST architecture based application. ● Creating a REST application using HATEOAS. ● Consuming REST APIs endpoints with RestTemplate, Traverson, and WebClient. ●

Exploring JWT web token for the RESTful APIs and explores how to secure REST APIs using OAuth2 and Spring security. ● Creating TESTING module of the Spring Boot application and Unit & Integration testing. ● Discuss ReactJS and its components and also discuss ReactJS features and its advantages and disadvantage. ● Exploring how to create ReactJS components

and how to manage ReactJS component lifecycle. ● Taking a quick overview of consuming the REST API using the React application. ● Deploying the application to the Cloud platform (PaaS). ● Containerization and Deploy using Docker containers

WHO THIS BOOK IS FOR

Designing Application with Spring Boot 2.2 & React JS is for all Java developers who want to learn Spring

Boot 2.2 and React JS as in the enterprise application. Therefore, enterprise Java developers will find it particularly useful in the understanding of Spring Boot 2.2 and React JS and how to develop a backend RESTful application using the Spring Boot 2.2 and frontend application using React JS framework. They will most fully appreciate the examples presented in this book.

Before reading this book, readers should have basic knowledge of core java, spring, servlet, filter, XML, and JavaScript.

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Getting Started with Spring Boot 2.2

Customizing Auto-Configuration

Configuring Data and CRUD operations

Creating REST APIs with Spring Boot 2.2

Securing REST APIs

Testing Spring Boot Application

<p>Getting Started with React Creating and Styling React Components Consuming the REST API with React JS Deploying and Containerizing Application</p> <p><i>Learn to Program the Fundamentals the Java 9+ Way</i> John Wiley & Sons</p> <p>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</p>	<p>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</p>	<p>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,</p>
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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 . *Master design patterns of the Spring framework to build smart, efficient microservices* Apress NOTE: The OCP Java SE 11 Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816 have been retired (as of October 1, 2020), and Oracle has released a new Developer Exam 1Z0-819 to replace the previous exams. The

<p>Upgrade Exam 1Z0-817 remains the same. Improve your preparation for the OCP Java SE 11 Developer exam with these comprehensive practice tests OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817 offers readers over 1000 practice questions to help them hone their skills for the challenging 1Z0-819 exam</p>	<p>as well as the 1Z0-817 upgrade exam. Covering all the objective domains that help readers master the crucial subject areas covered by the exam, OCP Oracle Certified Professional Java SE 11 Developer Practice Tests provides domain-by-domain questions as well as additional bonus practice exams to further solidify the reader's mastery of its subjects. This book covers topics like:</p>	<p>Understanding Java Technology and Environment Working with Java Operators, Primitives, and Strings Creating Methods and Lambda Expressions Designing Classes, Interfaces, Enums, and Annotations Writing Functional Interfaces and Streams Building Modules and Migrating Applications to Modules Applying I/O, NIO.2, JDBC, Threads, and Concurrency</p>
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Secure Coding in Java SE Application And much more Perfect for anyone studying for the OCP Java SE 11 Developer and Upgrade exams, as well as all those who wish to brush up on their Java programming skills, OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817 is an indispensable resource that has a place on the bookshelf

of every Java enthusiast, professional, and student.
Exam 1Z0-816 and Exam 1Z0-817
Simon and Schuster 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

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Practical Cassandra Apress 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. *Learn Microservices with Spring Boot* Apress
 This OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide was published before Oracle announced major changes to its OCP certification program and the release of the new Developer 1Z0-819 exam. No matter the changes, rest assured this Study Guide covers everything you need to prepare for and take the exam. NOTE: The OCP Java SE 11 Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816 have been retired (as of October 1, 2020), and Oracle has released a new Developer Exam 1Z0-819 to replace the previous exams. The Upgrade Exam 1Z0-817 remains the same. This is the most comprehensive prep guide available for the OCP Oracle Certified Professional Java SE 11 Developer certification—it covers Exam 1Z0-819 and the Upgrade Exam 1Z0-817 (as well as the retired

<p>Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816)! Java is widely-used for backend cloud applications, Software as a Service applications (SAAS), and is the principal language used to develop Android applications. This object-oriented programming language is designed to run on all platforms that support Java without the need for recompilation. Oracle Java Programmer</p>	<p>certification is highly valued by employers throughout the technology industry. The OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide in an indispensable resource for anyone preparing for the certification exam. This fully up-to-date guide covers 100% of exam objectives for Exam 1Z0-819 and Upgrade Exam 1Z0-817 (in addition to the previous</p>	<p>Exam 1Z0-815 and Exam 1Z0-816). In-depth chapters present clear, comprehensive coverage of the functional-programming knowledge necessary to succeed. Each chapter clarifies complex material while reinforcing your understanding of vital exam topics. Also included is access to Sybex's superior online interactive learning environment and test bank that includes</p>
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<p>self-assessment tests, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable glossary of important terms. The ultimate study aid for the challenging OCP exams, this popular guide: Helps you master the changes in depth, difficulty, and new module topics of the latest OCP exams Covers all exam objectives such as Java arrays, primitive data</p>	<p>types, string APIs, objects and classes, operators and decision constructs, and applying encapsulation Allows developers to catch up on all of the newest Java material like lambda expressions, streams, concurrency, annotations, generics, and modules Provides practical methods for building Java applications, handling exceptions, programming through interfaces, secure coding in Java SE, and</p>	<p>more Enables you to gain the information, understanding, and practice you need to pass the OCP exams The OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide is a must-have book for certification candidates needing to pass these challenging exams, as well as junior- to senior-level developers who use Java as their primary programming language.</p>
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**OCP Oracle
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Apress
Junos®
Security is the complete and authorized introduction to the new Juniper Networks SRX hardware series. This book not only provides a practical, hands-on field guide to deploying, configuring, and operating SRX, it also serves as a reference to help you prepare for any of the

Junos Security Certification examinations offered by Juniper Networks. Network administrators and security professionals will learn how to use SRX Junos services gateways to address an array of enterprise data network requirements - including IP routing, intrusion detection, attack mitigation, unified threat management, and WAN acceleration. Junos Security is a clear and detailed

roadmap to the SRX platform. The author's newer book, Juniper SRX Series, covers the SRX devices themselves. Get up to speed on Juniper's multi-function SRX platforms and SRX Junos software. Explore case studies and troubleshooting tips from engineers with extensive SRX experience. Become familiar with SRX security policy, Network Address Translation, and IPSec VPN

configuration
Learn about
routing
fundamentals
and high
availability
with SRX
platforms
Discover what
sets SRX apart
from typical
firewalls
Understand
the operating
system that
spans the
entire Juniper
Networks
networking
hardware
portfolio
Learn
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more
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the large Data
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firewalls "I
know these
authors well.

They are out
there in the
field applying
the SRX's
industry-
leading
network
security to
real world
customers
everyday. You
could not
learn from a
more talented
team of
security
engineers." --
Mark Bauhaus,
EVP and
General
Manager,
Juniper
Networks
**A Pocket
Handbook
for Spring
Framework,
Spring Boot,
and More**
Apress
Summary
Spring in

Action, 5th
Edition is the
fully updated
revision of
Manning's
bestselling
Spring in
Action. This
new edition
includes all
Spring 5.0
updates,
along with
new examples
on reactive
programming,
Spring
WebFlux, and
microservices.
You'll also find
the latest
Spring best
practices,
including
Spring Boot
for application
setup and
configuration.
Purchase of
the print book
includes a free
eBook in PDF,

Kindle, and ePub formats from Manning Publications. About the Technology Spring Framework makes life easier for Java developers. New features in Spring 5 bring its productivity-focused approach to microservices, reactive development, and other modern application designs. With Spring Boot now fully integrated, you can start even complex projects with minimal configuration

code. And the upgraded WebFlux framework supports reactive apps right out of the box! About the Book Spring in Action, 5th Edition guides you through Spring's core features, explained in Craig Walls' famously clear style. You'll roll up your sleeves and build a secure database-backed web app step by step. Along the way, you'll explore reactive programming, microservices, service

discovery, RESTful APIs, deployment, and expert best practices. Whether you're just discovering Spring or leveling up to Spring 5.0, this Manning classic is your ticket! What's inside Building reactive applications Spring MVC for web apps and RESTful web services Securing applications with Spring Security Covers Spring 5.0 Over 100,000 copies sold! About the Reader For intermediate

Java developers. About the Author Craig Walls is a principal software engineer at Pivotal, a popular author, an enthusiastic supporter of Spring Framework, and a frequent conference speaker. Table of Contents PART 1 - FOUNDATIONAL SPRING Getting started with Spring Developing web applications Working with data Securing Spring Working with	configuration properties PART 2 - INTEGRATED SPRING Creating REST services Consuming REST services Sending messages asynchronously Integrating Spring PART 3 - REACTIVE SPRING Introducing Reactor Developing reactive APIs Persisting data reactively PART 4 - CLOUD-NATIVE SPRING Discovering services Managing configuration Handling	failure and latency PART 5 - DEPLOYED SPRING Working with Spring Boot Actuator Administering Spring Monitoring Spring with JMX Deploying Spring Exam 1Z0-809 O'Reilly Media Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing
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products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including: Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora) Understanding Loose Coupling and Stateless Systems

Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost efficient, faster and secure Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute, Networking,

Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-

world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career.

A Problem-Solution Approach

Apress What separates the traditional enterprise from the likes of Amazon, Netflix, and

Etsy? Those companies have refined the art of cloud native development to maintain their competitive edge and stay well ahead of the competition. This practical guide shows Java/JVM developers how to build better software, faster, using Spring Boot, Spring Cloud, and Cloud Foundry. Many organizations have already waded into cloud computing, test-driven development,

<p>microservices, and continuous integration and delivery. Authors Josh Long and Kenny Bastani fully immerse you in the tools and methodologies that will help you transform your legacy application into one that is genuinely cloud native. In four sections, this book takes you through: The Basics: learn the motivations behind cloud native thinking; configure and test a Spring Boot</p>	<p>application; and move your legacy application to the cloud Web Services: build HTTP and RESTful services with Spring; route requests in your distributed system; and build edge services closer to the data Data Integration: manage your data with Spring Data, and integrate distributed services with Spring’s support for event-driven, messaging-centric architectures Production:</p>	<p>make your system observable; use service brokers to connect stateful services; and understand the big ideas behind continuous delivery</p> <p>AWS Certified Solutions Architect Official Study Guide</p> <p>Apress Build and deploy secure Spring Framework and Spring Boot-based enterprise Java applications with the Spring Security</p>
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Framework. This book explores a comprehensive set of functionalities to implement industry-standard authentication and authorization mechanisms for Java applications. Pro Spring Security, Second Edition has been updated to incorporate the changes in Spring Framework 5 and Spring Boot 2. It is an advanced tutorial and reference that guides you through the implementation

n of the security features for a Java web application by presenting consistent examples built from the ground up. This book also provides you with a broader look into Spring security by including up-to-date use cases such as building a security layer for RESTful web services and Grails applications. What You Will Learn Explore the scope of security and how to use the Spring Security

Framework Master Spring security architecture and design Secure the web tier in Spring Work with alternative authentication providers Take advantage of business objects and logic security Extend Spring security with other frameworks and languages Secure the service layer Who This Book Is For Experience d Spring and Java developers with prior experience in building

Spring Framework or Boot-based applications. *Step-by-step guide to design and develop intuitive full stack web applications* BPB Publications
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.

Modern Finite Batch Processing in the Cloud
 Packt Publishing Ltd
 Pass the Pivotal Certified Professional exam using source code examples, study summaries, and mock exams. In this book, you'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Also,

it is suitable as an introductory primer for Spring newcomers. Furthermore, in Pivotal Certified Professional Spring Developer Exam: A Study Guide 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. The demand for Spring skills is skyrocketing. 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 the Spring model-view-controller (MVC). Good luck! What You'll Learn Understand the core principles of the popular Spring Framework Use dependency injection Work with aspects in Spring and

do AOP (aspect oriented programming) Control transactional behavior and work with SQL and NoSQL (MongoDB) databases Create and secure web applications based on Spring MVC Get to know the format of exam and 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. [Build modern, cloud-native, and distributed systems using Spring Boot](#) Packt Publishing Ltd Work with all aspects of batch processing in a modern Java environment using a selection of Spring frameworks. This book provides up-to-date examples using the latest configuration techniques based on Java

configuration and Spring Boot. The Definitive Guide to Spring Batch takes you from the “Hello, World!” of batch processing to complex scenarios demonstrating cloud native techniques for developing batch applications to be run on modern platforms. Finally this book demonstrates how you can use areas of the Spring portfolio beyond just Spring Batch 4

to collaboratively develop mission-critical batch processes. You’ll see how a new class of use cases and platforms has evolved to have an impact on batch-processing. Data science and big data have become prominent in modern IT and the use of batch processing to orchestrate workloads has become commonplace. The Definitive Guide to Spring Batch covers how running finite

tasks on cloud infrastructure in a standardized way has changed where batch applications are run. Additionally, you'll discover how Spring Batch 4 takes advantage of Java 9, Spring Framework 5, and the new Spring Boot 2 micro-framework. After reading this book, you'll be able to use Spring Boot to simplify the development of your own Spring projects, as well as take advantage of

Spring Cloud Task and Spring Cloud Data Flow for added cloud native functionality. Includes a foreword by Dave Syer, Spring Batch project founder. What You'll Learn Discover what is new in Spring Batch 4 Carry out finite batch processing in the cloud using the Spring Batch project Understand the newest configuration techniques based on Java configuration and Spring Boot using

practical examples Master batch processing in complex scenarios including in the cloud Develop batch applications to be run on modern platforms Use areas of the Spring portfolio beyond Spring Batch to develop mission-critical batch processes Who This Book Is For Experienced Java and Spring coders new to the Spring Batch platform. This definitive book will be useful

in allowing even experienced Spring Batch users and developers to maximize the Spring Batch tool. *A Study Guide* Simon and Schuster Pass the Pivotal Certified Professional exam using source code examples, study summaries, and mock exams. In this book, you'll find a descriptive overview of certification-related Spring modules and a single example

application demonstrating the use of all required Spring modules. Also, it is suitable as an introductory primer for Spring newcomers. Furthermore, in Pivotal Certified Professional Spring Developer Exam: A Study Guide each chapter contains a brief study summary and question set, and the book's free downloadable source code package includes one mock exam

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developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam. **Pro Spring Security** John Wiley & Sons Spring Start Here teaches you how to build professional-quality applications using Spring and Spring Boot. Spring is a massive ecosystem and a must-learn tool for Java developers. Spring Start Here

introduces you to Java development with Spring by concentrating on the core concepts you'll use in every application you build. You'll learn how to refactor an existing application to Spring, how to use Spring tools to make SQL database requests and REST calls, and how to secure your projects with Spring Security. Spring Start Here teaches you how to build professional-

quality applications using Spring and Spring Boot. You'll start with the core components of the framework and then learn how features like Spring Boot simplify the tedious repetitive tasks you face in every project. When you're done, you'll be able to create Spring apps, secure them with authentication and authorization, and move on to the next exciting steps of your Spring

journey. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. **Pivotal Certified Professional Core Spring 5 Developer Exam** Simon and Schuster 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
[Cloud Native Spring in Action](#) Packt Publishing Ltd
 Summary
 Spring

Microservices in Action teaches you how to build microservice-based applications using Java and the Spring platform. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology
 Microservices break up your code into small, distributed, and independent services that require careful forethought and design. Fortunately,

Spring Boot and Spring Cloud simplify your microservice applications, just as the Spring Framework simplifies enterprise Java development. Spring Boot removes the boilerplate code involved with writing a REST-based service. Spring Cloud provides a suite of tools for the discovery, routing, and deployment of microservices to the enterprise and the cloud. About the

Book *Spring Microservices in Action* teaches you how to build microservice-based applications using Java and the Spring platform. You'll learn to do microservice design as you build and deploy your first Spring Cloud application. Throughout the book, carefully selected real-life examples expose microservice-based patterns for configuring, routing, scaling, and

deploying your services. You'll see how Spring's intuitive tooling can help augment and refactor existing applications with micro services. *What's Inside Core microservice design principles* Managing configuration with Spring Cloud Config Client-side resiliency with Spring, Hystrix, and Ribbon Intelligent routing using Netflix Zuul Deploying Spring Cloud applications

About the Reader This book is written for developers with Java and Spring experience. About the Author John Carnell is a senior cloud engineer with twenty years of experience in Java. Table of contents Welcome to the cloud, Spring Building microservices with Spring Boot Controlling your configuration with Spring Cloud configuration server On service discovery

When bad things happen: client resiliency patterns with Spring Cloud and Netflix Hystrix Service	routing with Spring Cloud and Zuul Securing your microservices Event-driven architecture with Spring	Cloud Stream Distributed tracing with Spring Cloud Sleuth and Zipkin Deploying your microservices
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