



# Getting started with Spring Framework: a hands-on guide to begin developing applications using Spring Framework

By J Sharma, Ashish Sarin

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Getting started with Spring Framework is a hands-on guide to begin developing applications using Spring Framework. This book is meant for Java developers with little or no knowledge of Spring Framework. All the examples shown in this book use **Spring 4**.

You can download the examples (consisting of **60** sample projects) described in this book from the following Google Code project: [code.google.com/p/getting-started-with-spring-framework-2edition/](https://code.google.com/p/getting-started-with-spring-framework-2edition/)

Chapter 1 - Introduction to Spring Framework

Chapter 2 - Spring Framework basics

Chapter 3 - Configuring beans

Chapter 4 - Dependency injection

Chapter 5 - Customizing beans and bean definitions

Chapter 6 - Annotation-driven development with Spring

Chapter 7 - Database interaction using Spring

Chapter 8 - Messaging, emailing, asynchronous method execution, and caching using Spring

Chapter 9 - Aspect-oriented programming

Chapter 10 - Spring Web MVC basics

Chapter 11 - Validation and data binding in Spring Web MVC

Chapter 12 - Developing RESTful web services using Spring Web MVC

Chapter 13 - More Spring Web MVC - internationalization, file upload and asynchronous request processing

Chapter 14 - Securing applications using Spring Security

This book covers:

- Specifying configuration metadata using XML and annotations
- Programmatically configuring Spring container and beans
- Configuring different types of bean properties
- Bean lifecycle interfaces
- Customizing beans using BeanPostProcessors and BeanFactoryPostProcessors
- Bean definition inheritance
- JSR 250's and 330's annotations for dependency injection
- Validation using JSR 303 (Bean Validation API) annotations and Spring's Validator interface
- SpEL (Spring Expression Language)
- Caching using Spring's cache abstraction
- Sending and receiving JMS messages using Spring
- Aspect-oriented programming support in Spring
- Sending emails using Spring
- Asynchronously executing methods using Spring
- Task scheduling
- Database interaction using JDBC and Hibernate
- Programmatic and declarative transaction management
- Spring Web MVC
- Developing RESTful Web Services using Spring
- Spring Security

The book shows a simple internet banking application that is developed incrementally in each chapter of the book and covers the topics mentioned above. You can post your feedback and questions to the authors in the following Google Groups forum: [groups.google.com/forum/#!forum/getting-started-with-spring-framework](http://groups.google.com/forum/#!forum/getting-started-with-spring-framework)

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#### **About the Author**

Ashish Sarin is a Sun Certified Enterprise Architect with more than 14 years of experience in architecting applications. He is the author of Spring Roo 1.1 Cookbook (by Packt Publishing) and Portlets in Action (by Manning Publications). J Sharma is a freelance Java developer with extensive experience in developing Spring applications.

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