

TOPICS COVERED

Day 1 - Spring Framework Foundations

- Introduction to the lightweight container architecture and the Spring Application Context
- How Dependency Injection and Test-Driven Development allow you to develop consistently structured, highly configurable, easily testable applications quickly
- How Spring helps you write better, more cohesive code, with a discussion of relevant Object-Oriented design patterns
- Hands-on labs based upon a realistic business case to be extended throughout the course

Day 2 - Effective Middle-Tier Architecture

- Pragmatic Spring Aspect-Oriented Programming in the middle-tier, with examples and without buzzwords
- Effective persistence: how to build a persistence layer with Spring in best-practice fashion
- Analysis and tradeoffs of relevant persistence strategies, including Hibernate and Spring JDBC
- Transaction management strategies with Spring at the service layer
- Middle-tier unit and integration test strategies

Day 3 - Implementing Enterprise Information Connectivity

- Understanding ORM and Hibernate with Spring
- An overview of Spring Web MVC, Spring JavaScript, Spring Web Flow and Spring Faces
- Configuring Spring-managed services for remoting without any code
- Designing contract-first web services with Spring Web Services

Day 4 - Integration with Enterprise Services

- Understanding Spring Security and role-based access
- Building in manageability with Spring JMX
- Configuring Message-Driven POJOs with Spring JMS
- Understanding SpringSource Enterprise Solutions

Core Spring



Duration 4 Days

Core Spring is our four-day flagship Spring training course covering:

- The Spring Lightweight Container Architecture, including Inversion of Control
- Agile, domain-driven design techniques with Spring
- Effective JDBC and Hibernate data access
- Declarative transaction management
- Pragmatic AOP
- Unit testing in isolation
- Rapid system integration testing
- Introduction to "Spring Web"
- Remoting
- Web Services
- Spring Security
- JMS
- JMX

In this course, students build a Spring-powered JEE application that demonstrates the Spring Framework in an intensely productive, hands-on setting. Completion of this course entitles each student to waive the registration fee for the Spring Framework Certification Examination.

Learning Outcomes

During this four-day boot camp you learn how to use the Spring Framework to create well-designed, testable business applications in an agile manner. On completion of this course, speak to SpringSource to find out how attending this course entitles you to have the registration fee waived for the Spring Framework Certification Examination from.



Course not fit?
We can customise.