



**DESCRIPTOR SYSTEMS**

"We Bring You Up To Speed"

## Programming Core Spring Workshop

**Description:** This course covers the basics of programming the Spring framework.

**Prerequisites:** Basic Java programming experience is required.

**Audience:** Business analysts, developers, managers and other people interested in learning how to program Spring

**Length:** Three days.

### ***Objectives:***

After taking this course, you will be able to:

1. Understand and program the fundamentals of Spring, including dependency injection and how to wire beans together using annotations and XML.
2. Program Web applications using Spring MVC.
3. Understand the concepts of Spring Aspect Oriented Programming (AOP)
4. Create reliable programs that execute units of work using Spring's transaction support.
5. Use Spring AOP

### ***Topic List***

1. Introduction to the Course
2. Introduction to the Spring Framework
3. The Spring Container
4. XML Dependency Injection

5. Spring Beans
6. Additional Configuration and Annotations
7. Introduction to Spring MVC
8. Spring and JDBC
9. Introduction to Spring AOP
10. Transactions in Spring
11. Introduction to JUnit
12. Testing Spring
13. Spring and Web Services (Optional Chapter)