

## About Spring

Spring aims to make enterprise Java development easier and to promote loosely coupled code. DI and AOP are central to everything in Spring. Since Spring is a modular framework. Spring is the most popular Java web framework. It makes it easy to efficiently build modular and testable web applications by using the Model-View-Controller paradigm and dependency injection.

## What Will You Learn?

- Spring Framework Architecture
- Spring Core
- Spring AOP
- Spring JDBC
- Spring Hibernate
- Spring Transaction Management
- Spring MVC
- Spring Test
- Design Patterns
- N-Tier Architecture
- Case Study

## Pre-Requisites

- Core Java
- JDBC
- Hibernate (optional)

## Curriculum

- **INTRODUCTION**

Day 1: <a href="#">SPRING vs EJB</a>	30 min
Day 1: <a href="#">Java Beans</a>	30 min
Day 2: <a href="#">Spring Features: IOC, AOP, Container</a>	20 min
Day 2: <a href="#">Spring Architecture</a>	20 min

Day 2: <a href="#">Spring Modules</a>	10 min
Day 2: <a href="#">Spring 2.5, 3.0, 4.0 Features</a>	10 min
Day 3: <a href="#">Installation</a>	10 min
Day 3: <a href="#">Application – XML Config</a>	50 min
Day 4: <a href="#">Application – Java Config</a>	1 hour

- **ASPECT ORIENTED PROGRAMMING**

Day 5: <a href="#">Introduction</a>	10 min
Day 5: <a href="#">Advantages of AOP</a>	10 min
Day 5: <a href="#">AOP Terminology</a>	20 min
Day 5: <a href="#">Before Advice, After Advice, After-Returning, Around Advice, Throws Advice</a>	10 min
Day 5: <a href="#">Static and Dynamic Pointcuts</a>	10 min
Day 6: <a href="#">Proxy based AOP</a>	1 hour
Day 7: <a href="#">Declarative based AOP [Spring2.5]</a>	30 min
Day 7: <a href="#">Annotation based AOP [Spring2.5]</a>	30 min

- **DEPENDENCY INJECTION**

Day 8: <a href="#">Explicit wiring</a>	15 min
Day 8: <a href="#">Autowiring</a>	15 min
Day 8: <a href="#">Annotation based wiring</a>	15 min
Day 8: <a href="#">Autodiscovery</a>	15 min

- **TYPES OF CONFIGURATIONS**

Day 9: <a href="#">Xml Based Configuration</a>	20 min
Day 9: <a href="#">Java Based Configuration</a>	20 min
Day 9: <a href="#">Annotation Based Configuration</a>	20 min

- **MODEL LAYER**

Day 10: <a href="#">Spring DAO</a>	1 hour
Day 11: <a href="#">Template-Callback Design Pattern</a>	1 hour
Day 12: <a href="#">Spring JDBC</a>	1 hour
Day 13: <a href="#">SPRING with HIBERNATE</a>	1 hour

Day 14: <a href="#">Profiling And Environments</a>	30 min
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Day 14: <a href="#">Embedded Databases</a>	30 min
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- **SERVICE LAYER**

Day 15: <a href="#">Programmatic Transactions</a>	1 hour
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Day 16: <a href="#">Declarative Transactions [Annotations]</a>	1 hour
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- **CONTROLLER LAYER**

Day 17: <a href="#">Spring MVC Architecture</a>	30 min
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Day 17: <a href="#">Handler Mapping</a>	10 min
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Day 17: <a href="#">ViewResolver</a>	10 min
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Day 17: <a href="#">Front Controller</a>	10 min
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Day 18: <a href="#">Spring MVC Application</a>	50 min
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Day 18: <a href="#">JNDI DataSource</a>	10 min
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- **CASE STUDY**

Day 19: <a href="#">Annotation Based Controller</a>	20 min
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Day 19: <a href="#">Validations</a>	10 min
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Day 19: <a href="#">Multiple Config Files</a>	10 min
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Day 19: <a href="#">Http Endpoints</a>	10 min
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Day 19: <a href="#">N-Tier Architecture</a>	10 min
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- **DESIGN PATTERNS**

Day 20: <a href="#">Spring with Design Patterns</a>	1 hour
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- **INTERVIEW QUESTIONS**

Day 21: <a href="#">Interview Questions</a>	1 hour
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### Course Info

- **Hours** : 21 hour
- **Duration** : 3-4 weeks [6 days per week]
- **Slot** : 6AM-7AM | 7AM-8AM | 8AM-9AM

- **Mode** : LIVE Online Training
- **Join** : Goto meeting
- **Demo** : Day-1 & Day-2
- **Downloads** : Materials, Workspace, etc
- **Re Attend** : One time with in 6 months.
- **Price** : 5,000 INR
- **Mail** : [balaji@java2aspire.com](mailto:balaji@java2aspire.com)
- **Contact** : 7799208899 / 9885407683