

Spring & Hibernate Training Program

A complete Spring and hibernate Development Training Program.



Your Journey to Professional Spring & Hibernate training starts here!

Spring and Hibernate are most used frameworks in Java Development Industry. Our training program conducted on weekends will help you mast your current job or can help you get that next promotion. A small project is developed using Spring and Hibernate for better understanding of the concept.

Batch Details

1. Saturday and Sunday Batch.
2. Each day around 4 hours.
3. 2 - 2.5 Months Duration.
4. Industry Trainers.
5. One Project

Course Content

Hibernate

Hibernate

- HB Introduction
- HB Architecture
- First Hibernate Example

Hibernate with Eclipse

- HB using XML
- HB using Annotation

Hibernate Example

- HB Web application
- HB Generator classes
- HB Dialects

Hibernate Log4j

- HB with Log4j 1
- HB with Log4j 2

Inheritance Mapping

- Inheritance Mapping
- Table Per Hierarchy
- TPH using Annotation
- Table Per Concrete
- TPC using Annotation
- Table Per Subclass
- TPS using Annotation

Hibernate Mapping

- Collection Mapping
- Mapping List
- Mapping Bag
- Mapping Set
- Mapping Map
- One To Many XML
- One To Many Annotation
- Many To Many XML
- Many To Many Annotation
- One To One XML
- One To One Annotation
- Many To One XML
- Many To One Annotation
- Bidirectional
- Lazy Collection
- Component Mapping

Tx Management

- Tx Management

HQL

- HQL

HCQL

- HCQL

Named Query

- Named Query

Hibernate Caching

- Hibernate Caching

Second Level Cache

- Second Level Cache

Integration

- Hibernate and Struts
- Hibernate and Spring

Hibernate Interview

- Interview Question

Spring

Basics of Spring

- What is Spring
- Spring Projects
- Spring Use Cases

Gradle

- Working with gradle
- Understanding build.gradle
- Migration from maven to gradle
- Gradle tasks
- Simple java application using gradle

Spring Boot

- What is spring boot
- Project structuring
- Annotation based configuration
- Spring boot starters

Core container (spring-core , spring-beans , spring-context , spring-expression)

- Dependency injection
- Application context
- Spring Expression language

AOP (spring-aspects, spring-aop)

- Pointcuts
- Joint points
- Method Interceptor

- Aspects & Advices

Messaging & JMS (spring-messaging, spring-jms)

- Message channels
- Message handlers
- Messaging based applications

Data Access / Integration (spring-jdbc, spring-tx)

- Jdbc template
- Programmatic & declarative transaction management
- Project Structuring

Object relational mapping (spring-orm)

- JPA Integration
- Hibernate Integration.

Web Integration(spring-web, spring-webmvc)

- Spring MVC
- Multiple Controller
- Request Response MVC
- Form Example
- MVC CRUD Example
- MVC Pagination Example
- MVC File Upload

Spring REST Services

- Publishing REST Services with Spring
- POST and GET Service with Spring

Spring Security

- Sp Security Introduction
- Sp Security Features
- Security Project Modules
- Sp Security XML Example
- Sp Security Java Example
- Sp Security Login Logout
- Sp Security Custom Login
- Form-Based Authentication
- Sp Security Remember Me
- Security at Method Level
- Sp Security Tag Library
- JSON Web Token Authentication

Testing (spring-test)

1. Unit test (JUnit)
2. Integration testing (TestNG)

Contact

Asterix Solution

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