



ADVANCED JAVA WITH MICROSERVICES

BATCH TYPE: WEEKDAYS/ WEEKENDS

MODE OF TRAINING: CLASSROOM/ ONLINE/

CORPORATE TRAINING

Database and SQL Fundamentals

- Relational Databases and SQL
- Database, Schema, Tables, Columns and Rows
- DDL & DML
- Sequences , Stored Procedures
- Using SQL Terminals

Introduction

- J2EE Overview
- Why J2EE?
- J2EE Architecture
- J2EE APIs
- J2EE Containers

Servlet

- HTML Forms
- Servlets Overview
- Servlet Lifecycle: init(), service(), destroy()
- GenericServlet, ServletRequest, and ServletResponse
- HttpServletRequest, HttpServletResponse and HttpServlet
- Request-response, headers, GET, POST

JDBC

- JDBC Fundamentals
- Advanced JDBC
- Introduction to Row Sets
- JDBC classes and the java.sql
- Connecting to databases
- JDBC design patterns

Session Management

- HTTP as a stateless protocol
- Hidden form fields
- Cookies
- session tracking
- Http Session
- Exception handling and error pages
- Directives
- Single Thread Model interface

JavaServer Pages

- Overview
- JSP architecture , JSP tags and JSP expressions
- Fixed Template Data , Lifecycle of a JSP
- Model View Controller (MVC)
- Model 1/Model 2 Architecture
- Data Sharing among servlets & JSP
- Request, application, session and page scope
- JSP implicit objects

RMI (Remote Method Invocation)

- RMI overview
- RMI architecture
- Example demonstrating RMI

Java Beans

- Enterprise Bean overview
- Types of enterprise beans
- Advantages of enterprise beans
- The Life Cycles of Enterprise Beans

- Working with Session Beans
- Statefull vs. Stateless Session Beans
- Working with Entity Beans
- Message Driven Beans

JNDI

- JNDI overview
- JNDI API
- Context operations
- Using JNDI in J2EE applications

Struts Framework

- What is Struts?
- Struts Architecture
- Struts classes – ActionForward, ActionForm,
- ActionServlet, Action classes
- Understanding struts-config.xml
- Understanding Action Mappings
- Struts flow with an example application
- Struts Tiles Framework
- Struts Validation Framework
- Internationalizing Struts Application
- Struts with Message Resources

Other J2EE Technologies

- Hibernate
- Spring framework
- JSF
- Web services
- SOA, SOAP, AXIS, WSDL, UDDI, Endpoint & Callback
- AJAX

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PUNE - (AUNDH, KHARADI & HINJEWADI)
KERALA - (CALICUT, KOCHI &
TRIVANDRUM)

