Oracle Coherence 12c: New Features (OR-Co12c:NewFeatures)

Modality: Virtual Classroom

Duration: 2 Days

About this course:

This Oracle Coherence 12c course is designed to provide the knowledge and understanding of new features that are included in the 12c Coherence product since the launch of Coherence 3.6. These features are seen in various areas.

Learn To:

- Use Live Events to develop Interceptors.
- Build Grid Archives.
- Deploy Coherence REST.
- Configuration of Managed Coherence Servers in a WLS Domain.
- Use POF annotations to perform automatic POF generation.
- Use Oracle GoldenGate to integrate Oracle Coherence.
- Use Elastic Data to implement large data grids.

Benefits to You:

This course provides your organization with quick access to often-used data to offer scalability for business-critical applications. Also, this course provides you the knowledge of WebLogic integration and Oracle Coherence.

Significant New Features:

Significant new features incorporate WebLogic integration and coverage of the groundbreaking Coherence, including Coherence REST, GARs or Grid Archives, Integration with Oracle Golden Gate, Coherence Elastic Data and more.

Salary Estimate:

The Oracle Developer can make an average salary of $106,225 per annum.

Course Objective:

- Use JSON and JAXB to extend objects for supporting REST
- Build, manage, configure and implement Coherence Container GAR files
- List the characteristics of the Oracle Golden gate integration for Coherence
- Configure Elastic data, File-based Journals, and RAM
- Use trace and explain plans to enhance query performance
- Use Live Event Model to implement interceptors

- Use annotations to automate the creation of POF serializers
- Deploy atomic transactions in Entry processors which span various caches
- Use OEPE and Eclipse to edit projects and configuration more easily

Audience:

- Java EE Developers
- J2EE Developer
- Java Developers
- SOA Architect

Prerequisite:

- It is recommended to have knowledge of JSON, XML, and Java programming but not necessary.
- XML Fundamentals Ed 1.1
- Coherence 3.6 or equivalent knowledge

Course Outline:

New Features Themes and Introduction

- Introducing new features of Coherence and OEPE
- Introducing Coherence REST
- Introducing new features of Coherence and WebLogic Server
- Introducing Coherence Elastic Data
- Introducing Coherence Partition Level Transactions
- Introducing Coherence Query Improvements
- Introducing new features of Coherence*Extend
- Introducing the Coherence Unified Event Model

XSD, POF, and Other Improvements

- Atomic Transactions
- Coherence, Eclipse and Maven
- Portable Object Format Improvements
- Query Improvements

Elastic Data

- Configuring Elastic Data
- Listing the Features of Elastic Data

REpresentational State Transfer

- Managing Coherence REST Servers within WLS
- Describing Representational State Transfer
- Configuring Coherence to Return Cache Objects via REST

- Managing Coherence REST Servers Stand-Alone
- Querying REST Data using GET, PUT, and DELETE Operations and cURL
- Modifying Java Objects to Support REST

Unified Event Model

- Developing UEM Event Handlers
- Listing Unified Event Model Concepts
- Declaratively Registering UEM Event Handlers

Managed Coherence Servers

- Deploying Coherence Applications
- Creating Coherence Servers and Clusters
- Installing WebLogic Server with Coherence
- Enumerating Coherence Application Components and Concepts
- Configuring Server Instances to Support Coherence
- Describing WebLogic Support for Coherence

Coherence*Web and other Integration Improvements

- Simplifying Coherence*Extend Configuration
- Configuring Server and Client-Side Load Balancing
- Integrating GoldenGate and Coherence
- Developing Custom Load Balancing