

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

**Modality:** Virtual Classroom

**Duration:** 2 Days

### **About this course:**

This Oracle Coherence 12c training teaches you about the new features that have been incorporated into the 12c Coherence product since the release of Coherence 3.6. These new features are found in a wide range of areas.

### **Learn To:**

- Configure Managed Coherence Servers in a WLS Domain.
- Develop Interceptors using the Live Events.
- Implement Coherence REST.
- Implement large data grids using Elastic Data.
- Develop Grid Archives.
- Perform automatic POF generation using POF annotations.
- Integrate Oracle Coherence using Oracle GoldenGate.

### **Benefits to You**

Provide your organization fast access to frequently used data to provide scalability for mission-critical applications. Become knowledgeable about Oracle Coherence and WebLogic integration.

### **Significant New Features**

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

The average salary of an Oracle Developer Annual is **\$106,225** per year.

### **Course Objective:**

- Implement interceptors using the Live Event Model
- Extend objects to support REST using JAXB or JSON
- Implement atomic transactions in Entry processors which span multiple caches
- Configure RAM and or File based Journals and Elastic data
- Automate the creation of POF serializers using annotations
- Create, configure and deploy Coherence Container GAR files
- Improve query performance using explain plans and trace
- Enumerate the features of the Oracle Goldengate integration for Coherence
- Edit configuration and projects more easily using Eclipse and OEPE

## **Audience:**

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

## **Prerequisite:**

- Coherence 3.6 or equivalent knowledge
- JSON knowledge helpful but not required
- XML knowledge helpful but not required
- Java programming knowledge required
- XML Fundamentals Ed 1.1

## **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