Oracle Coherence 12c: Share and Manage Data in Clusters

CODICE	DURATA	PREZZO	LINGUA	MODALITÀ
D81541GC10	5 Giorni	2.500,00€ (iva escl.)	Italiano	Virtual Classroom Corso in aula

SCHEDULAZIONE

- A Richiesta

PREREQUISITI

Students should be familar with basic XML constructs

Students should be proficient in the Java language

Prerequisiti suggeriti :

Knowdlege of JAXB and JSON helpful but not required

Familarity with Eclipse is helpful but not required

Audience:

Java EE Developers Web Administrator

OBIETTIVI

Optimize Java entity objects, stored in Coherence caches, using various approaches such as core Java Serializable, ExternalizableLite, and Portable Object Format technique

Write Java clients that perform dynamic queries, and use in-place processing across a Coherence data grid(Map Reduce)

Implement Coherence event handing using the various eventing models, including Live Events

Manage Coherence Clusters in a WLS environment, including developing and deploying Coherence Grid Archives(GARs)

Run Coherence cache servers and the cache console

Develop Coherence Java entity objects and Java clients, optimized for Coherence

Describe, configure, and deploy local, replicated, distributed, and near cache topology architectures

Install Coherence in standalone and within WLS environments

CONTENUTI

Introduction to Coherence Performance Concepts, Caching and Scalability Introduction to Coherence Coherence Concepts Coherence Terms and Technologies

Getting started with Coherence Coherence Installation Working with Caches Configuring a Simple Cluster Developing Coherence Applications Working with Objects Accessing Coherence Developing Objects Improving Performance Using Custom Serialization Configuring Coherence Caches Coherence Cache Topologies Cache Configuration Concepts What is a Topology? Choosing the

Right Cache Elastic Data Data Grid Events Coherence Event Model Concepts Live Events Map Listeners Map Triggers Continuous Query Cache Querying and Aggregating Data Coherence Filters Sorting and Aggregating Coherence Query Language Improving Query Performance Using Explain Plans and Trace Performing In-Place Process of Data with Entry Processors Managing Concurrent Access to Data EntryProcessors Concepts EntryProcessors Development and Registration Partition Level Transactions Invocation Services Extending and Integrating Coherence with Other Services Persisting Data to a Database Data Source Integration Coherence and JPA The GoldenGate Adapter for Coherence Typical Caching Architectures Evolution of Data Grid Design Patterns Single vs Multiple Application Instances Local Caching Pattern Distributed Caching Pattern Cache Aside and Read-Through Pattern Write Thru Pattern Near Caching and Client Side Processing Patterns

REpresentational State Transfer Exposing Data using REST Deploying REST Applications Using Proxies Deploying REST Applications Using WLS Proxies Accessing REST Objects Securing REST WebLogic Server and Coherence Coherence Container for WLS Coherence Cluster Managed Coherence Servers Grid ARchives Deploying GARs Coherence*Web Coherence*Extend Concepts Configure and Run Coherence*Extend Developing *Extend Clients Simplifying and Tuning Coherence*Extend Configuration Coherence Security Security Overview Cluster Security Access Control Coherence*Extend Security

Description:

This Oracle Coherence 12c: Share and Manage Data in Clusters training will teach you about Coherence and Coherence development. Oracle Coherence is an in-memory data caching and event engine often referred to as an in-memory data grid solution, designed to seamlessly improve performance, reliability and fault tolerance of Java, .NET and C++ applications.

Updated for 12.2.1: This course has new content about the new features in Coherence 12.2.1.

Learn To:

Develop Coherence applications.

Install Coherence with and without WebLogic Server.

Configure Managed Coherence Servers in a WLS domain.

Configure Coherence caches.

Query Coherence caches.

Develop Grid Archives.

Understand the architecture of Coherence and how data is managed in a Coherence cluster.

Integrate Coherence with other data sources.

Examine Coherence C++ installation and coding basics.

Understand how Coherence entities can be exposed as REST (JSON and JAXB) objects.

Benefits to You

Enrolling in this course will help you develop the knowledge to provide your organization with fast access to frequently used data. This will provide scalability for mission-critical applications. You'll become knowledgeable about Oracle Coherence and WebLogic integrations, enabling you to solve real world scalability problems, while improving performance and removing bottlenecks in applications.

Explore Coherence & Application Objects

Expert Oracle University instructors will also teach you which changes need to be made to an application to use Coherence. You'll learn what serialization is and why it is important to scalability, while exploring how Coherence Events and applications can take advantage of events. Furthermore, you'll review how Coherence in-place processing and applications can improve performance.

Coherence & WebLogic Server

Finally, this course will demonstrate how Coherence applications get deployed to WebLogic Server and how Coherence clusters are created and managed in a WebLogic environment. You'll also learn which WebLogic console features are involved in Coherence Server management within a WLS domain.

Prezzi e corsi potrebbero subire variazioni; si consiglia di verificare sul sito www.novanext.it/training.