Oracle SOA Suite 12c : Build Composite Applications

CODICE	**DURATA**	**PREZZO**	**LINGUA**	**MODALITÀ**
D84361GC10	5 Giorni	2.500,00€ (iva escl.)	Italiano	Virtual Classroom Corso in aula

SCHEDULAZIONE

- A Richiesta

PREREQUISITI

Knowledge of XML, XML Schema, XSL Transformations and XPath

Knowledge of web service standards, including SOAP and WSDL.

Audience

Application Developers

Business Analysts

Developer

SOA Architect

Technical Consultant

OBIETTIVI

Orchestrate business process flows by using BPEL

Work with Mediator components with routing rules, filters, and transformations

Implement Business Rule component with IF-THEN rules and decision tables

Test, debug, and troubleshoot a SOA composite application

Initiate SOA composite applications using the Events Delivery Network

Apply security policies to service endpoints to secure interactions

Implement Human workflow with Human Task components

Describe SOA concepts and related technology

Create a SOA composite application using JDeveloper

CONTENUTI

Introduction to Service Oriented Architecture

Describing Service-Oriented Architecture (SOA)

Explaining Service Component Architecture

Reviewing of Services and Key Standards

Explaining the Oracle SOA Suite 12c Architecture and Components

Explaining Business Events and the Event Delivery Network

Installing the Oracle SOA Suite 12c Quickstart

Getting Started with Composite Applications

Describing Basic Synchronous and Asynchronous Interaction Patterns

Discussing XSD and Web Services Description Language (WSDL)

Creating a Mediator Component

Defining a Routing Service

Creating XSL and XQuery Transformations with the XSLT Mapper

Introducing Working with Adapters

Creating a File Adapter Service Reference

Examining the composite.xml Source

Managing and Monitoring a Composite Application

Deploying a Composite Application

Versioning Applications

Discussing Application state

Using Configuration Plans

Managing the Life Cycle of a Composite Application

Testing a Composite Application

Managing SOA Applications with JDeveloper

Testing a Composite Application in Enterprise Manager

Working With Data

Discussing Data Standards

Using Attributes

Introducing XSL Transformations

Using XPath Functions

Using the Mapper in JDeveloper

Testing Transformations

Working with Native Format Data

Using the JMS and JDBC Adapters

Introducing Binding Components and JCA Adapters

Monitoring Adapters

Discussing JMS Messaging

Discussing Adapters and the WebLogic Application Server

Introducing the Oracle JMS Adapter

Configuring JMS Resources with WebLogic Administration Console

Configuring the JDBC Adapter

Discussing Transactionality

Introduction to BPEL

Defining Business Processes and BPEL

Introducing Parts of a BPEL Process

Discussing Variables in a BPEL Process

Using the Sequence and Scope Activities

Using the BPEL Design Editor

Testing a BPEL Process in Enterprise Manager

More BPEL Activities

Conditional Branching with the If Activity

Processing with the Flow Activity

Parallel and Sequential Looping with the Foreach Activity

Suspending a Process with the Wait Activity

Waiting for a Message with the Pick Activity

Looping with the While Activity

Indexing XML Arrays Dynamically

Examining Structured and Extension BPEL 2.0 Activities

Handling Faults in Composite Applications

Introducing Faults and Fault Handling Options

Managing Faults in Synchronous and Asynchronous Mediators

Returning Faults from Synchronous and Asynchronous BPEL Processes

Throwing Faults in BPEL Processes

Introducing Compensation and Compensation Handlers

Introducing the Fault Management Framework

Configuring Fault Policies

Recovering Faults with Enterprise Manager Fusion Middleware Control

Introducing Human Tasks

Introducing Human Tasks

Creating and Configuring a Human Task in a Composite Application

Adding a Human Task to a BPEL Process

Generating and Deploying Task Display Forms

Using the Worklist Application to View and Act on Task Information

Introducing the Oracle User Messaging Service

Configuring UMS Notification Properties

Sending Notifications to User's Preferred Channel

Sharing Functionality

Using the Design-time Meta Data Services (MDS) Repository to share files

Introducing Templates

Creating and Using Project, Service Component, and Scope Activity Templates

Introducing BPEL Subprocesses

Creating and Using Standalone Subprocesses

Creating and Using Inline Subprocesses

Describing the Differences Between Templates and Subprocesses

Using the REST Adapter

Introducing REST Services

Comparing REST and SOAP Web Services

Creating and Configuring a REST Adapter

Introducing Business Rules

Introducing the Business Rule Component

Describing the Oracle Business Rules Architecture

Creating Rules and Decision Tables with the JDeveloper Rule Editor

Examining Business Rule Component Files

Describing the Role of the Rules SDK

Editing Business Rules at Runtime

Designing and Managing Business Events

Describing the Event Delivery Network

Creating a Business Event

Publishing an Event

Subscribing to an Event

Managing Events in Oracle Enterprise Manager

Testing SOA Composite Applications

Introducing the Composite Test Framework

Defining Emulations and Assertions

Discussing Test Suites and Test Cases

Testing Initiation of Inbound Messages

Emulating Outbound, Fault, and Callback Messages

Running Test Cases

Examining Results of a Test Run

Using the SOA Debugger to Debug Composite Applications

Securing Services and Composite Applications

Explaining Security for Services

Describing the Fusion Middleware Security Architecture

Attaching Security Policies at Design Time in JDeveloper

Attaching Security Policies Post-Deployment in Enterprise Manager

Description:

This Oracle SOA Suite 12c: Build Composite Applications training teaches you how to design and develop SOA composite applications for application integration with services. You'll use a Service-Oriented Architecture (SOA) implementation approach.

Learn To:

Create a SOA Composite application using JDeveloper.

Initiate SOA composite applications using the Events Delivery Network.

Test, debug and troubleshoot a SOA composite application.

Apply security policies to service endpoints.

Benefits to You

By taking this course, you'll learn how to integrate your organization's applications into agile, reusable, service-based connectivity to reduce risk and respond faster to business requirements. Become more effective at managing and

monitoring a composite application to support your organization's integration roadmap strategy and lower its total cost of ownership.

Oracle JDeveloper 11g Integrated Development Environment

With the Oracle JDeveloper 12c Integrated Development Environment (IDE), you'll learn how to design, develop, deploy and test SOA Composite applications. Composite applications are modeled and developed according to the Service Component Architecture (SCA) specifications.

Secure Interactions Between Services

These applications are comprised of Mediator, BPEL, Business Rules and Human Tasks (Workflow) components. You'll also learn how to secure interactions between services using Oracle Web Services Manager policies.

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