

Oracle SOA Suite 12c: System Architecture and Administration

CODICE

D87561GC10

DURATA

5 Giorni

PREZZO

2.500,00€ (iva escl.)

LINGUA

Italiano

MODALITÀ

Virtual Classroom
Corso in aula

SCHEDULAZIONE

- A Richiesta

PREREQUISITI

Oracle WebLogic Server 12c: Administration I

Suggested Prerequisites

Service Oriented Architecture Concepts

Audience

Administrator

Application Server Administrators

Architect

Network Administrator

Security Administrators

System Administrator

System Integrator

Systems Architects

OBIETTIVI

Configure a Weblogic Server clustered domain with Oracle Fusion Middleware Infrastructure components

Extend the WebLogic Cluster with Oracle SOA Suite 12c

Deploy, test, and troubleshoot SOA composite applications

Monitor and take action to tune Oracle SOA Suite 12c, the Oracle Database, and SOA Suite components for optimal performance

Configure a Load Balancer for servicing client requests


Integrate an LDAP Server for authorization and authentication

Extend the Weblogic Domain to include Oracle Enterprise Scheduler Service

Plan and design an Enterprise Deployment SOA architecture
Create Oracle Database schemas for Oracle Fusion Middleware products
Install Oracle Fusion Middleware Infrastructure 12c software
Install Oracle SOA 12c software

CONTENUTI

Introduction to Oracle SOA Suite 12c Administration
About Service-Oriented Architecture (SOA) concepts
Overview of Oracle SOA Suite 12c products
Exploring the road map for creating an Enterprise Deployment architecture
Planning Oracle SOA Suite 12c Deployments
Choosing an appropriate deployment topology
Preparing the network environment and file system for Oracle SOA Suite 12c
Preparing and planning the database strategy
Planning an SOA deployment topology based on the Enterprise Deployment architecture reference model
Planning an architecture for scalability, high availability, and failover
Installing Oracle SOA Suite 12c: Creating the Fusion Middle Infrastructure
Choosing the type domain and installation approach
Installing Oracle Fusion Middleware Infrastructure software
Creating the Oracle Database schemas for Oracle Fusion Middleware Infrastructure
Creating a WebLogic Domain with Oracle Fusion Middleware Infrastructure
Configuring WebLogic Server to use an external LDAP server for authentication and authorization
Installing Oracle SOA Suite 12c: Extending the Domain with Oracle SOA Suite
Managing web-tier installation and configuration tasks
Installing Oracle SOA Suite 12c
Creating the Oracle Database schemas for Oracle SOA Suite 12c
Extending the WebLogic domain with Oracle SOA Suite 12c components
Installing Oracle SOA Suite 12c: Configuring the Load Balancer for Enterprise Deployment
Explain the load balancer configuration requirements for an Enterprise Deployment topology
Create and configure a WebLogic Managed Server as a (software) load balancer
Configuring High Availability for Oracle SOA Suite 12c
Reviewing the high availability architecture
Scaling out an enterprise deployment topology
Configuring high availability for the Administration Server
Configuring JCA Adapter (File, Database, and JMS) Resources for SOA applications
Fundamentals of Oracle SOA Suite
Describing service-oriented architecture (SOA)
Explaining how services communicate
Describing the functionality of each type of Oracle SOA Suite 12c service component
Deploying and Testing SOA Composite Applications
Deploying a Composite application by using Ant tools
Deploying and Testing Composite applications by using Oracle Enterprise Manager

A close-up photograph of a person's hands holding a tablet computer, with the person's face partially visible in the background, looking at the screen.

Tracking Message flow through a Composite Application
Deploying a Composite application using Ant tools and Oracle Enterprise Manager
Describing a Composite application package and its dependencies
Managing Composite Applications and Their Life-Cycle
Deploying new versions of a Composite application
Creating partitions and deploy Composites to those partitions
Identifying Composite application dependencies
Managing the Composite application life-cycle using configuration plans and global token variables
Monitoring and Managing Instances, Service Components, and Service Engines
Configuring Logging, Audit Levels, and Sensors
Managing Faults in the Error Hospital
Managing Business Events
Describing Business Events and the Event Delivery Network
Managing events using Oracle Enterprise Manager
Configuring and Testing Oracle User Messaging Services
Introduction to Oracle User Messaging Services
Configuring Oracle User Messaging Services
Troubleshooting and Tuning Performance of Oracle SOA Suite 12c
Designing a tuning methodology
Identifying top areas that require tuning
Monitoring and tuning Oracle SOA Suite by collecting performance information and using diagnostic tools
Configuring selective tracing
Troubleshooting common problems
Backing Up and Recovery of Oracle SOA Suite Instances
Adopting a backup and recovery strategy
Backing up your Oracle Fusion Middleware environment
Recovering Oracle Fusion Middleware and Oracle SOA Suite
Configuring Security Services and Policies
Describing Web services security
Describing Oracle Web Services Manager Policy Framework
Creating or modifying security policy
Attaching a security policy to Web services
Monitoring the performance of Web services
Enterprise Scheduler Service (ESS)
Describing Enterprise Scheduler Service
Installing Enterprise Scheduler Service
Configuring scheduled jobs and related metadata

Administering running and completed jobs

Description:

This Oracle SOA Suite 12c: Architecture and Administration training helps you develop the knowledge and skills to plan,



prepare and install an Enterprise Deployment Architecture to run Oracle SOA Suite 12c products. You'll learn the step-by-step process needed to create an Oracle SOA Suite 12c configuration by using two virtual machines for creating a cluster of WebLogic Server instances.

Learn To:

Install and configure Oracle SOA Suite 12c in a cluster configuration.

Initiate and create run-time instances.

Configure a Weblogic Server clustered domain with Oracle Fusion Middleware Infrastructure components.

Deploy application, monitor, tune and troubleshoot the environment for optimal day-to-day operations.

Configure and test the email notification service used by SOA composite applications and the human workflow operations.

Install and use Oracle Enterprise Scheduler Service.

Create Oracle Database schemas for Oracle Fusion Middleware products.

Configure a load balancer for servicing client requests.

Benefits to You

By taking this course, you'll build a solid foundation to create an environment that supports scalability and high availability, and that is integrated with an LDAP server for authentication and authorization services. You'll walk away from this course with the ability to monitor and take action to tune Oracle SOA Suite 12c, the Oracle Database and SOA Suite components for optimal performance.

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