Oracle Tuxedo 12c: Application Administration New

Duration: 5 Days

What you will learn

This Oracle Tuxedo 12c training teaches administrators, architects & developers to administer Oracle Tuxedo applications. Learn the features and configurable capabilities of the product and how they relate to real-world scenarios.

Learn To:

Configure Tuxedo application deployments.
Execute capacity planning for applications that span multiple machines and domains.
Configure Tuxedo applications to support native and remote clients to include Workstation and web services clients.
Use advanced monitoring and dynamic performance configuration options.
Secure Tuxedo applications and services.
Configure Exalogic optimizations for Tuxedo.
Create Tuxedo server and client executables from source code.
Configure, monitor and troubleshoot various types of Tuxedo applications.

Review Tuxedo Software Components & Deployment Architectures

This course also includes a complete overview of Tuxedo software components and deployment architectures. It helps you plan and architect Tuxedo application strategies. Explore detailed information about the many static and run-time configuration options available to various Tuxedo applications.

Audience
Administrator
Developer
SOA Architect
Sales Consultants
Support Engineer
System Administrator
Technical Administrator
Technical Consultant

Related Training

Suggested Prerequisites
Some degree of programming experience
TCP/IP knowledge

Course Objectives
Describe Tuxedo architecture

Configure and deploy Tuxedo applications

Configure and deploy Tuxedo workstation clients and web service clients

Configure and deploy SALT web services

Execute Tuxedo administration tasks using command line tools

Secure Tuxedo environments

Configure multiple machine domains

Configure advanced Tuxedo features

Configure XA transactions

Configure and deploy Tuxedo queues

Configure and deploy Tuxedo events

Configure multiple Tuxedo domains using domain gateways

Monitor activity and performance of Tuxedo applications

Administer Tuxedo using TSAM

Configure Exalogic optimizations for Tuxedo

Install Tuxedo products

Course Topics

Introduction to Oracle Tuxedo
What is Oracle Tuxedo?
The History of Oracle Tuxedo

Installation and Deployment
Tuxedo Product Installation
Deploying a Test Application

Architecture Overview
Application Server Architecture (n-Tier)
What is Oracle Tuxedo?
Components of a Tuxedo Application
Message Paradigms

Tuxedo Application Configuration
Tuxedo Configuration File Basics
Tuxedo Application Deployment Basics
Additional *MACHINES Section Parameters
Additional *SERVERS Section Parameters
Using *SERVICES Section Parameters

Monitor and Maintain Tuxedo Applications
Application Monitoring Tools
The tmadmin Command Line Utility
Starting and Stopping Tuxedo Servers
The Tuxedo System Event Broker
Tuxedo Java Servers

Tuxedo Remote Clients: Configuration and Administration
The /WS Subsystem
Service Architecture Leveraging Tuxedo (SALT)
Jolt

Tuxedo Security Configuration and Administration
Tuxedo Security Configurations
Lightweight Directory Access Protocol (LDAP)
Secure Socket Layer (SSL)
Link-Level Encryption (LLE)
Additional Security Features
Extended Authentication and Authorization

Distributed Application Configuration and Administration
Basic MP Model Configuration
Additional Configuration and Administration

Advanced Server Group Configuration
Data-Dependent Routing (DDR)
Server Group Migration

Distributed Transaction Configuration and Administration
Transactions Overview
Configuring Tuxedo for Transaction Support
Oracle Real Application Cluster (RAC) Use Case

Tuxedo Queuing Configuration and Administration
/Q Subsystem Overview
Configuring Tuxedo for /Q Support
Configuring Tuxedo Message Queue
MQ Adapter

Domain Gateway Configuration and Administration
Basic Domain Gateway Configuration
Advanced Domain Gateway Enhancements
The WebLogic-Tuxedo Connector (WTC)

Accessing the Tuxedo Management Information Base (MIB)
SNMP and MIBs
Using the Tuxedo Admin API
Monitor, Tune, and Troubleshoot Performance
IPC Resource Requirements
Runtime and Configuration Performance Options

Using Tuxedo System and Applications Monitor (TSAM)
Installing TSAM
TSAM Architecture
Configuring and Using TSAM
TSAM Plug-In for Oracle Enterprise Manager

Exalogic Optimizations for Tuxedo
Exalogic Overview
Tuxedo on Exalogic
Oracle Virtual Assembly Builder
Self-Tuning SPINCOUNT
Shared Memory Queues
Configuring Tuxedo to use InfiniBand
BRIDGE Bypass Using RDMA
Shared APPDIR