

# Oracle Tuxedo 12c: Application Administration

## 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 tadmin 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