Oracle GoldenGate 11g Troubleshooting and Tuning

Duration: 3 Days

What you will learn

This Oracle GoldenGate 11g Troubleshooting and Tuning course teaches you to gather and examine evidence to solve cases. Each of the practices challenges you to diagnose and troubleshoot issues using GoldenGate software.

Learn To:

Use Oracle GoldenGate troubleshooting tools like Knowledge Documents, Documentation, SHOWSYNTAX parameter & the Logdump utility.
Troubleshoot Extract and Replicat problems, mapping problems and synchronization problems.
Identify causes of slow startups.
Monitor lag and statistics.
Identify network and disk bottlenecks.
Perform tuning of key components.
Use GGSCI commands to gather process evidence.

Oracle GoldenGate 11g Performance Tuning

This course helps you explore methods of Oracle GoldenGate 11g performance tuning by identifying the causes of slow startups, evaluating lag statistics and solving network and disk bottlenecks. You'll also learn to utilize all of the existing GoldenGate tools, like GGSCI and Logdump, to troubleshoot system issues.

Audience

Database Administrators
Support Engineer
System Administrator
Technical Consultant

Related Training

Required Prerequisites

Familiarity with the Oracle Database

Course Objectives

Use troubleshooting tools

Describe solutions for the most common problems

Monitor and tune performance

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Gather evidence to help troubleshoot problems

Course Topics

Gathering Evidence
GGSCI commands
Viewing Checkpoint Details
Evaluating a Process Report
Evaluating a Log Sample
Gather and evaluate systems logs

Troubleshooting Tools
SHOWSYNTAX overview, usage and output
Logdump overview
Utilizing the key commands and functionality of Logdump

Startup Problems
GoldenGate configuration
Operating system configuration
Permissions
Slow startup

Extraction Problems
Diagnosing a slow Extract
Solving the issue when Extract abends
Solving the issue when the Data Pump Extract abends

Replication Problems
Replicat is not moving or abends
Replicat abends with Error 509
Preventing Replicat from exiting

Missed Transaction Problems
Transactions not being processed
Including missed transactions

Mapping and Synchronization Problems
Solve mapping problems such as missed definitions and colum mappings
Syncrhronization issues such as out-of-sync rows, tables without keys, character sets, and DML on target tables

SQLEXEC Problems
SQL does not execute
Tracing SQLEXEC problems
File Maintenance Problems
Time differences
Unusable indexes
Too many open cursors

Performance Tuning
Builing the object record for speeding up the startup

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Monitoring lag statistics
Identifying bottlenecks such as lag, network issues, and disk reads
Tuning Extract and Replicat for optimal performance

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