Oracle Essbase 11.1.2 for System Administrators

Duration: 3 Days

What you will learn

The typical Essbase project is a high visibility, high priority development project designed to enhance bottom line performance. This course will help you develop specific Essbase administrative skills so you're able to support these projects.

Learn To:

Perform backup, recovery, application migration and task automation.

Optimize Essbase system caches.

Configure the block storage and aggregate storage kernels.

Design and manage Essbase security.

Configure, secure, optimize and maintain the Essbase environment for both block storage and aggregate storage applications.

Learn Essbase Survival Skills

Whether you're a new or seasoned Essbase user, you'll benefit from the Essbase experience and best practices built into the lectures, student guide, numerous exercises and case study. This course will prove to be a valuable addition to your administrator's survival kit.

Audience
Administrator
Application Developers
Database Administrators
Database Designers
Security Administrators

Related Training

Required Prerequisites

General technical background

Basic system administration experience

Suggested Prerequisites
Oracle Essbase 11.1.2 Bootcamp

Oracle Essbase 11.1.2 Bootcamp (11.1.2.4) Coming Soon

Set up user, group, and application access type security

Create database filters

Describe the components of the Oracle Essbase product family

Optimize Essbase caches and buffers

Perform database maintenance, including backup and recovery and application migration

Configure the Essbase environment

Automate routine tasks using MaxL scripts

Course Topics

Online Analytical Processing Overview
Data Transformation
Multidimensional View of Information
Dimensional Modeling
Data Cubes
Dimension Hierarchies
OLAP Solutions

Essbase architecture, components, and production cycle
Aggregate Storage and Block Storage
Outlines
Load Rules
Calculation Scripts
Aggregations
Reporting in Smart View

Block Storage Data Structure
Data Blocks and the Index System
Block Storage Database Statistics
Data Block Creation
Database Calculation Process

Aggregate Storage Data Structure
Table space Overview
Data Aggregation
Aggregate Storage Database Statistics

Configuring Essbase Servers
Setting up runtime and connection options for Essbase
Configuring block storage and aggregate storage disk allocation
Identifying the primary information logs available to Essbase system administrators
Maintaining the Essbase Server configuration file

Essbase Data Integrity
Ensuring Essbase Data Integrity
Transactions and Locks
Isolation Levels

Essbase Security Overview
Essbase Native Security
Global Access Security Layer
User and Group Security Layer
Application Access Type Security
The Essbase Security File

Creating Essbase Security Filters
The Essbase Security Filter Layer
Creating Security Filters
Filter Behavior
Resolving Security Conflicts

Securing the Essbase Environment in Shared Services
Shared Services Security
Converting Essbase Users to Shared Services Security
Provisioning Users in Shared Services
External Authentication and Single Sign-on

Optimizing Block Storage Caches
Optimizing the Database
Optimizing Caches
Setting RAM Caches
Cache Hit Ratios

Optimizing Aggregate Storage Cache
Aggregate Storage Cache Optimization
Managing Aggregate Storage Cache
Viewing Aggregate Storage Cache Statistics

Optimizing Buffers and Compression
Setting Data Retrieval Buffers
Data Compression Methods
Setting the Optimal Compression Method

Managing Fragmentation
Measuring Database Fragmentation
Preventing and Reducing Database Fragmentation
Removing Security File Fragmentation

Managing Applications, Sessions, Usernames, and Passwords
About Application and Session Management
Migrating Applications and Databases
Enabling/Disabling Usernames in Administration Services Console

Backing Up, Restoring, and Recovering Essbase Databases
About Backup, Restore, and Recovery

Manual Backup and Restore
Automated Backup and Restore
Manual Recovery
Automated Recovery
Recovering from a Server Interruption
Recovering Corrupted Essbase Databases

Task Automation
Automating Tasks Using MaxL
The MaxL Command Shell
MaxL Statements and Syntax
MaxL Username and Password Encryption
Debugging MaxL scripts