

Essbase ASO Essentials

Course Summary

Description

Learn the essentials of Aggregated databases (ASO) with this course that gets any Essbase administrator up to speed fast. Features of ASO databases, how they compare to Block Storage (BSO) databases, and the new MDX language for creating member formulae are all covered. Several exercises and examples will lead you through the general workflow of creating and working with ASO databases, as well as some advantages and disadvantages. This course will also discuss the process for converting your BSO database into an ASO format, and some pitfalls to avoid. Finally, the class discusses write-back considerations and design using Transparent Partitioning.

Objectives

At the end of this course, students will be able to:

- Differentiate between block storage and aggregate storage databases
- Create aggregate storage databases
- Implement partitioning for aggregate storage databases
- Perform fundamental management tasks for aggregate storage databases
- Write member formulae with MDX

Topics

- ASO Overview
- Creating ASO databases
- Write-back Partition
- Data loading and Aggregation
- Retrieve ASO data with Excel Add-in
- Optimizing ASO Databases
- Overview of MDX

Audience

This course is designed for Essbase application designers and Database Administrators, Power Users and Support Personnel.

Prerequisites

Students should have a familiarity with basic BSO administration (ESS101X).

Duration

One day

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Course Outline

- I. ASO Overview**
 - A. Definition of ASO databases
 - B. ASO and BSO comparison
 - C. ASO new features, advantages/disadvantages and considerations

- II. Creating ASO databases**
 - A. Build ASO database
 - B. Converting from BSO
 - C. Dimension building and rules files

- III. Write-back Partition**
 - A. Understanding write-back process
 - B. Understanding Transparent Partitions
 - C. Options for implementing partitioning

- IV. Data loading and Aggregation**
 - A. Options for aggregate storage data loads
 - B. Understanding the Aggregate Design Wizard for calculation and data storage

- V. Retrieve ASO data with Excel Add-in**

- VI. Optimizing ASO Databases**
 - A. Tablespaces and storage caches
 - B. Outline paging
 - C. Understanding database statistics

- VII. Overview of MDX**
 - A. MDX defined
 - B. Understanding MDX functions and syntax
 - C. Differences between BSO calculation language and MDX
 - D. ASO outline member formulae with MDX