Oracle Essbase 11.1.2: Deploy Aggregate Storage Databases (OR-ESS-DASD)

Modality: Virtual Classroom

Duration: 4 Days

About this course:

This course is designed to provide the knowledge and skills to design, build, deploy, and manage the aggregate storage database. Also, it will assist you to construct the 16 dimensions in-class database with a range of guided practices.

Learn to:

- How to design, build, implement, and manage aggregate storage databases
- How to implement time intelligence for time interval reporting
- Calculate mix, variance, and other calculation utilizing MDX
- Explain custom allocations and calculations in aggregate storage databases

Other topics provide you the detailed understanding of significant components of ASO development, incorporating time intelligence, complex member formulas, allocation and calculation templates, partitioning, and the new function in release 11.1.2.

Course Objective:

- Design ASO (Aggregate Storage databases)
- Build Aggregate Storage databases
- Aggregate ASO data
- Upload data in ASO databases
- Calculate member formulas
- Manage and handle ASO databases
- Define custom allocations and calculations in aggregate storage databases
- Create time-intelligent models

Audience:

- Support Engineer
- Developer
- Technical Consultant
- Sales Consultants

Prerequisite:

- Understanding of Microsoft Excel and Windows
- Understanding of Oracle Essbase Bootcamp course

Course Outline:

Essbase Overview

- The Oracle BI Foundation Suite
- The Oracle Enterprise Performance Management System
- The Essbase analytic solution

Aggregate Storage Overview

- Understanding the aggregate storage production cycle
- Creating aggregate storage outline hierarchies
- Aggregate storage key characteristics and design considerations

Designing Data Descriptor Dimensions

- Designing time, scenario, and accounts dimensions
- Understanding data descriptor dimensions

Designing Business View Dimensions

- Designing primary and secondary hierarchies
- Using attributes in database design
- Understanding business view dimensions

Loading Data

- Loading data incrementally
- Understanding the aggregate storage data loading process
- Using data load buffers

Creating Reports with Smart View

- Understanding the Smart View architecture and user interface
- Working with shared and private connections
- Connecting to data sources

Aggregating Data

- Designing and running aggregations with the Aggregation Design wizard
- Optimizing aggregations
- Understanding the data aggregation process

Managing Aggregate Storage Databases

- Viewing database statistics
- Managing tablespaces
- Understanding disk space management options

- Backing up aggregate storage applications
- Optimizing outline paging
- Managing storage caches
- Optimizing data compression
- Exporting aggregate storage data

Creating Basic MDX Queries

- Identifying dimensions and members in MDX
- Identifying tuples and sets
- MDX Overview
- Understanding MDX formula components and structure

Creating MDX Formulas

- Using Member Formula Editor
- Using MDX conditional calculation tools
- Creating mix calculations
- Deriving variances

Time Intelligence Overview

- Using the Create Date-Time Dimension wizard
- Establishing time intelligence in aggregate storage applications
- Understanding the benefits of time intelligence

Building Time Intelligent Models

- Creating a date-time dimension
- Using standard calendar types
- Defining member date ranges

Loading Data Mapped to Dates

- Using date-string formats
- Performing date-based data loads
- Identifying date hierarchies

Creating Time Period Reports

- Creating linked attribute reports
- Understanding periodic associations
- Identifying linked attributes

Calculating Time-Based Metrics

- Calculating time-based metrics
- Creating analytics dimensions

- Using MDX date functions
- Understanding time dimension designs

Time Balance Calculations

- Using time balance tags
- Using flow tags

Partitioning Overview

- Following partitioning guidelines
- Identifying data transfer methods
- Understanding database partition types
- Identifying the best partition type to use
- Resolving partition overlaps

Creating Database Partitions

- Evaluating partition designs
- Designing partitions
- Creating partitions

Creating Custom Calculations

- Specifying calculation criteria
- Writing and executing custom calculations
- Understanding the workflow for creating custom calculations

Creating Allocations

- Specifying allocation criteria
- Understanding the workflow for creating ASO allocations
- Specifying allocation and rounding methods
- Executing allocations