LIT
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Learn
Oracle Essbase21c
in 5 Days

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> This five-day course empowers developers and system administrators to proficiently create, manage, and maintain Essbase 21c applications with advanced techniques and best practices.

Course Information:

Course title:	Essbase 21c: Bootcamp Training Course
Duration:	5 days
Audience:	System administrators, developers and implementation consultants
Pre-requisites:	None
Delivery method:	Group Live and Group Internet-Based
Advanced preparation:	None
Recommended CPE credits:	35 credits - computer software and applications
Programme level:	Intermediate

Learning Objectives:

By the time this course is completed, participants will be able to:

- Differentiate between ASO and BSO databases by understanding their main distinctions.
- Describe the process of bringing in existing metadata and setting up improved reporting functions.
- Evaluate ways to make Essbase 21c databases more efficient.
- Identify different techniques for loading and inputting data into the system.
- Create basic reports, spreadsheets, and dashboards for inputting and reviewing data.
- Apply calculation scripts to carry out specific calculations effectively.

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The topics to be covered during the five-day course

Essbase Overview
- Introduction to Essbase
- Using Essbase with Smart View
- Exploring dimensionality
- Introduction to Essbase calculations
- Navigating EAS Lite

Application Build
- Application and database design
- Creating an application and database
- Understanding generations and levels
- Outline maintentance
- Building Time, Scenario, Years and Accounts dimensions
- Block storage overview

ASO Overview
- Comparison of BSO and ASO databases
- Aggregate storage outline conversion

Data Load Methods
- Loading metadata and data
- Load rule overview
- Load rule methods
- Building the Product and Markets dimensions using load rules
- Loading data using load rules
- Loading data and building dimensions with a single load rule

Enhanced Outline Capabilities
- User Defined Attributes (UDAs)
- Attribute dimensions
- Shared members
- Text and date members
- Format string
- Varying attributes

Reporting
- Exploring Financial Reports
- Smart View overview
- Ad Hoc Analysis
- Ad Hoc Data Queries
- Options
- Functions
- Smart Slices
- Smart Queries
- Embedding Reports
- Saved MDX Queries

Block Storage System Administration
- Specifying settings for optimal performance
- Caches and buffers
- Data compression
- Removing database fragmentation
- Maintaining the Essbase environment
- Task automation using MaxL
- Block storage review

Aggregate Storage System Administration
- Creating aggregations
- Data compression
- Loading data and the load buffer
- Concurrent loads
- Trickle feeds and slices
- ASO caches
- Outline paging
- Compacting the outline file
- Back-ups
- Changing compression

Calculations
- Calculation methodology
- Member formulas
- Calculation scripts
- Intelligent calculation
- Block creation

Calculation Scope
- Calculation scope using FIX
- Calculation scope using IF
- FIX or IF?
- Controlling the calculation scope using cross dimensional operators

Designing Calculations
- General design considerations
- Writing calculations using functions
- Relationship functions
- Mathematical functions
- Range functions

MDX Queries
- MDX overview
- MDX query structure
- Case sensitivity, layout and syntax
- Comments
- Identifying dimensions and members
- Tuples and sets
- Converting BSO member formulas
- Function return types
- Formula conversion
- Aggregate storage calculation order
- Conditional calculations
- Variance calculations

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