Evoque Technologies
Gather. Analyze. Re-Invent.

Hyperion Essbase Analytics

What you will learn

Hyperion Essbase Analytics course gives students the opportunity to learn the principal techniques and theories for the design of block storage databases with Essbase. Students create a database outline, load data into the database, analyze data with Smart View, and create calculation scripts. In addition, design discussions and hands-on practice sessions help reinforce the skills taught.

Prerequisites

Required Prerequisites

Familiarity with basic Microsoft Windows skills

Knowledge of client-server application concepts

Course Objectives

Create block storage databases
Create dimensions using rules files
Load data using rules files
Analyze data with Smart View
Describe multidimensional calculation
Create basic database calculations

Course Topics

Essbase Overview
Multidimensional Analysis
Oracle's Enterprise Performance Management System
Essbase--System 9
Production Environment Components

Designing Applications and Databases
Block Storage Implementation Process
Analyzing and Planning Implementations
Creating Applications and Databases
Creating Outline Structures
Modifying Member Properties

Designing Data Descriptor Dimensions
Designing Time Dimensions
Designing Scenario Dimensions
Outline Calculations
Designing Accounts Dimensions
Testing Outline Calculations

Optimizing Data Descriptor Dimensions
Creating Member Aliases
Dimension Types
Creating Period-to-Date Totals
Dynamic Calc Members
Enhancing Accounts Dimensions
Optimizing Data Storage

Planning Dimension Designs
Combining Business Views
Planning Dimensions with Label Outlines

Creating Basic Dimensions Build Rules Files
Prepping Data Prep Editor
Creating Dimensions using Rules Files
Selecting Dimension Build Method
Defining Field Properties
Validating Dimension Build Rules Files
Configuring Dimension Maintenance Settings

Creating Advanced Dimension Build Rules Files
Creating Shared Members
Manipulating Fields
Creating User-Defined Attributes

Creating Attribute Dimensions
Adding Attribute Dimensions to Outlines
Design Considerations for Attribute Dimensions
Creating Attributes with Rules Files

Loading Data
Data Sources Overview
Creating Data Load Rules Files
Selecting and Rejecting Records
Capturing New Members

Getting Started with Smart View
Smart View Architecture
Configuring Data Sources
Retrieving Data
Setting the Point of View

Creating Reports with Smart View
Manipulating Multidimensional Data
Updating Essbase Data
Integrating Essbase Data with Microsoft Office

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

Creating Calculation Scripts
Calculation Script Organization
Returning Correct Calculation Results
Troubleshooting CALC DIM Processes

Controlling the Calculation Process
Top-Down Calculation
Focusing Calculations with FIX Statements
Calculating Conditionally with IF Statements
Comparing FIX and IF Calculation Processes

Referencing Members in Calculations
Referencing Members Explicitly
Referencing Members Dynamically
Creating Calculation Variables