

## Hyperion Essbase 11.1.2.4- Training Content

### **Course Objectives:**

- Create Block storage databases
- Create Aggregate storage databases
- Create dimensions using rules files
- Load data using rules files
- Analyze data with Smart View
- Describe multidimensional calculation
- Create basic & advanced database calculations
- Create basic & advanced report scripts
- Create & manage partitions
- Optimize & maintain BSO/ASO cubes (System Administration)
- Setup security using Essbase stand-alone mode & Shared services mode (System Administration)
- Analyze dimension attributes
- Analyze non-numeric data

### **Course Topics:**

#### **Essbase Overview**

- Multidimensional Analysis/Understanding Multidimensional databases (OLAP Vs OLTP)
- Oracle's Enterprise Performance Management System
- Essbase
- Production Environment Components.

#### **Designing Applications and Databases**

- Essbase Implementation Process
- Analyzing and Planning Implementations
- Creating Applications and Databases

- Creating Outlines

### **Designing Data Descriptor Dimensions**

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

### **Creating Basic Dimension Build Rules Files**

- Rules Files Overview
- Creating Dimension Build Rules Files
- Configuring Dimension Maintenance Settings

### **Creating Advanced Dimension Build Rules Files**

- Advanced Dimension Build Rules Files Overview
- Creating Shared Members
- Manipulating Fields
- Creating User-Defined Attributes
- Creating Attribute Dimensions with Rules Files

### **Loading Data**

- Data Load Overview
- Creating Data Load Rules Files
- Selecting and Rejecting Records
- Capturing New Members
- Creating Report scripts

### **Getting Started with Smart View**

- Navigating Smart View
- Connecting to Data Sources
- Creating Ad Hoc Grids
- Setting the Point of View
- Associating Data Sources with Worksheets
- Creating Free-Form Grids

## **Creating Reports with Smart View**

- Updating Essbase Data
- Integrating Essbase Data with Microsoft Office
- Creating Custom Reports

## **Data Storage and Calculation**

- Calculation Overview
- Database Calculation Order
- Data Block Fundamentals
- Data Blocks and the Index System
- Interpreting Database Statistics
- Data Block Creation
- Database Calculation Process

## **Creating Calculation Scripts**

- Calculation Script Organization (using both Essbase calculation script editor & EPMA Calculation Manager)
- 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
- Performance Considerations

## **Developing and Testing Complex Calculation Scripts**

- Implementing a Script Development Process
- Upper-Level Data Loads
- Intelligent Calculation

## **Normalizing Data**

- Allocating Data
- Planning Data Normalization
- Normalizing Rates and Drivers
- Copying and Clearing Data

## Creating Attribute Dimensions

- Attribute Dimensions Overview
- Adding Attribute Dimensions to Outlines
- Design Considerations

## Additional topics

- Overview on new features in Essbase 11.1.2.3.500 & beyond
- Comparison between ASO & BSO storage types
- Designing a sample application using ASO
- Creating database partitions using Essbase partition methods
- Setup & Manage security using Essbase stand-alone & Shared services mode
- Overview on Essbase Excel Add-in (if not covered as part of Smartview topic)
- Optimize Essbase cubes (BSO & ASO), load rules, calculation scripts, report scripts, etc
- Overview on Hyperion Financial Reports
- Overview on Data Mining using Essbase
- Overview on other multidimensional solutions/tools in the market with preferably a comparison/differences chart
- Sharing of best practices, standards & guidelines and techniques (estimation, requirement gathering, upgrade, support & maintenance)

**\*\*All the above listed courses are expected to be delivered with a case study or hands-on exercise (preferable), wherever applicable.**

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