

Course: Essbase Bootcamp

Duration	Cost	Prerequisites
5 Days	£2,900	None

Course Description

The objective of this five-day Essbase Bootcamp course is to empower you with the skills necessary to develop and successfully deploy your Essbase applications. Developed and taught by experienced Essbase consultants from an implementation perspective, this comprehensive course includes rigorous hands on exercises, real world advice, and step-by-step '1-2-3' implementation methods.

The Essbase Bootcamp course starts with the fundamentals of Essbase by walking you through the process of developing an application—starting with metadata design and outline mechanics, Smart View, automating loads and dimension builds with load rules, Essbase architecture, and calculation fundamentals. After building out the cube with Block Storage, we then show the fundamentals of working with Aggregate Storage and the primary differences with BSO. More advanced Essbase topics address fine-tuning applications, including the use of database partitioning through replicated and transparent partitions and advanced applied calculations. System Administration topics include automation with MaxL for deploying applications, security management, performance tuning, and configuration settings.

Whether you are a more experienced developer or entirely new to the world of Essbase, this challenging course promises to empower the student with the tricks, tips and insights learned from our extensive Essbase implementation experience.

Course Outcomes

- Build a cube in both BSO and ASO.
- Have a good understanding of the architecture for both types of Essbase databases
- Know how to write calculations for Block Storage and some basic MDX for ASO
- Given a framework for automating loads of data and metadata
- How to move it to production by implementing security
- Automating using MaxL.

Our training

All of our courses are taught by our certified Oracle Consultants, and have been developed by the leading Oracle Hyperion training providers, 123OLAP. We share real-life examples of implementations and all training manuals have been developed for later use as comprehensive reference manuals.

Course Content

- Overview of Essbase; Essbase Admin Console introduction
- Building Outlines manually
- Setting Dimension and member properties and best practices of design
- Smart View Ad hoc
- Load rules for Metadata updates; Load rules for loading Actual data
- BSO Architecture – Dense/Sparse
- ASO Architecture – Views; Building an ASO database key differences with BSO
- BSO Calculation Fundamentals; Advanced BSO calculations
- Essbase Security
- Automation with MaxL
- Partitioning between cubes; Optimization and configuration settings
- MDX for ASO primer.

Essbase Bootcamp – Daily Agenda

Day One: Essbase Modeling

Overview of Essbase

- Multidimensional Concepts
- OLAP vs. OLTP
- Essbase Vocabulary

Application Design Overview

- Creating Applications and Databases
- Member Properties – storage properties, aliases, shared rollups, UDAs, Attributes
- Special Accounts and Time Functionality – Expense reporting, Time series, formula introduction
- Best practices in Design

Smart View

- Basic Mechanics of Creating Reports – connecting, refreshing, pivots, zooms, keep/Remove
- Advanced Spreadsheet Topics – member selection, attribute reporting, asymmetric reports, cascade, options.

Day Two: Load Rules, Architecture and Calc Fundamentals

Dimension Building

- Generation, Level, Parent/Child
- Building attributes and UDAs
- Field Manipulations

Data Loading

- Loading Actual data with load rules
- Tips and tricks for SQL Interface
- Best practices in Design

Architecture of BSO

- Dense/Sparse and impact on design
- Choosing optimal configuration
- Restructuring and Compression
- BSO Calculation Overview

Day Three: ASO Fundamentals

BSO Calc Fundamentals

- Aggregating data
- Consolidating rates
- Dynamic vs Stored
- Most important settings
- Clearing and copying data

ASO Fundamentals

- Understanding how ASO is different than BSO
- Converting from BSO to ASO
- Aggregations in ASO

Day Four: Applied Calculations and MDX

Applied Calculations for BSO

- Fix's and If's
- Cross dim operator
- Ratio calculations
- Ranges
- Time related calculations

Essbase Bootcamp – Daily Agenda Continued

- Counting calculations
- @XWRITE/@XREF
- Optimizing calculation scripts

MDX for ASO

- Converting from BSO to ASO
- Tuples
- Solving ratio calculations
- Ranges

Day Five: System Administration

Security

- Shared services Roles
- Security filters – data and metadata
- Understanding precedence

MaxL

- Converting from BSO to ASO
- Tuples
- Solving ratio calculations
- Ranges

Security Best Practices

- Security organizational strategies
- Filters and how Essbase security and Planning security is different

Partitioning

- Transparent partitions
- Replicated partitions

Configuration and Optimization

- Essbase.cfg
- Other important server and configuration settings
- Optimizing BSO and ASO