

Course: Essbase Upgrade

Duration	Cost	Prerequisites
2 Days	£1,600	Administering/Developing in Essbase

Course Description

Learn how to use the new features in the latest version! Our course has been designed to bring developers up to speed on all the new features and functionality that has been added to System 9 for Essbase.

This two-day course has been designed to bring developers up to speed on all the new features and functionality that has been added to System 9 for Essbase (called Analytic Services in System 9). The first part of the course focuses on Foundation Services components in System 9; License Server, Shared Services, BPM Architect, and Smart View. Next, we focus on enhancements that have been made to Block Storage databases. The last part of this class shifts to exploring the exciting possibilities that Aggregate Storage databases present. We start by covering key differences with Block Storage databases and then show you how to convert from BSO to ASO for cubes where this may be appropriate. The last section of the course covers the essentials of MDX –the new formulas and query language introduced in System 9.

Course Content

License Server

License Server centralizes licensing for all Hyperion Products. We talk about the license server architecture, key files used by the license server and how to interpret them. We also go over the sequence for starting Foundation Services and configuration using the configuration utility.

Shared Services

Shared Services is now the central point for managing security across Hyperion's various products. Although it is possible to manage security in Native Essbase through the AAS console, in company environments with several of Hyperion's products, Shared Services allows for a more integrated tool to provision users across all the applications. We cover the basics for managing both Native and network users for Essbase and touch upon how to apply security for the BI + reporting suite.

BPM Architect

BPM architect was released first in System 9.3. This tool can be used to manage both Metadata and data across Essbase cubes. It also allows for the creation of calculation logic for both Essbase and HFM. Although we think it is too early to throw away Dimension and Data load rules, we believe BPM architect will become more and more central for developing applications. In this section, we go through some of the basics for working in the BPM architect such as creating dimensions. We also show you how dimensions or subsets of dimensions can be shared across databases.

Course Content Continued

Block Store Enhancements

Block storage databases have been greatly improved throughout the versions of Essbase. We cover what you need to know about them including compression, new calculation functionality, server licensing changes, and more. In addition, we make sure to review important new features that were added in earlier versions but may have slipped through unnoticed.

Smart View

Many users of Essbase may be familiar with the Excel Add-In for interfacing with Essbase. As of System 9, the new Smart View client provides similar functionality. Hyperion's vision is that Smart View will become the sole Excel interface for all of their applications – Essbase, HFM, and Planning. We cover the mechanics of building reports that interface with Essbase including drilling, pivoting, limiting selections with keep only. We also cover the underlying rules governing their validity, as well as focus on some of the more advanced features such as understanding the options, POV selections, and working with asymmetric reports. For those students already familiar with the Excel Add-In we talk about key differences between Smart View and the Excel Add-In including both what we consider enhancements and limitations that we find.

ASO Advanced

After establishing a foundation in ASO, we show you a variety of techniques to get around some of the initial limitations. Subjects include getting around the units*rates calculations, solutions for Time Balance and Time Series functionality, and possible architectural solutions that combine strengths of BSO with ASO by using Transparent Partitioning. This last subject is designed as a review of Partitioning with a focus on how to get the most out of ASO with minimal design changes.

Aggregate Storage Option (ASO) Basics

In this section, we cover the ASO basics. We start by uncovering the architecture and stepping through the limitations of ASO databases so that developers can learn to identify the best fits for either ASO or BSO databases. We walk through the process of converting an existing BSO database outline into an ASO outline. We wrap up this section by loading data and performing an Aggregation on the database. Here again, we focus attention on important differences ASO loads and aggregations have for developers accustomed to BSO.

MDX

MDX is the new formula calculation language used in Essbase v7. We introduce you to MDX by walking you through the basic syntax of working with MDX and then quickly begin to solve common formula requirements; variance analysis, relationship based ratios, working with ranges of members, cross-referencing dimensions, recursive functions, and more. Next, we walk through how to convert existing calculation logic into MDX equivalent functions. We finish the class by showing you how to write custom reports to extract data using MDX.

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.