Hyperion Essbase for System Administrators

➢ **Online Analytical Processing Overview**

- ✓ Data Transformation
- ✓ Multidimensional View of Information
- ✓ Dimensional Modeling
- ✓ Data Cubes
- ✓ Dimension Hierarchies
- ✓ OLAP Solutions

➢ **Essbase architecture, components, and production cycle**

- ✓ Aggregate Storage and Block Storage
- ✓ Outlines
- ✓ Load Rules
- ✓ Calculation Scripts
- ✓ Aggregations
- ✓ Reporting in Smart View

➢ **Block Storage Data Structure**

- ✓ Data Blocks and the Index System
- ✓ Block Storage Database Statistics
- ✓ Data Block Creation
- ✓ Database Calculation Process

➢ **Aggregate Storage Data Structure**

- ✓ Table space Overview
- ✓ Data Aggregation
- ✓ Aggregate Storage Database Statistics

➢ **Configuring Essbase Servers**

- ✓ Setting up runtime and connection options for Essbase
- ✓ Configuring block storage and aggregate storage disk allocation
- ✓ Identifying the primary information logs available to Essbase system administrators
- ✓ Maintaining the Essbase Server configuration file

➢ **Essbase Data Integrity**

- ✓ Ensuring Essbase Data Integrity
- ✓ Transactions and Locks
- ✓ Isolation Levels

➢ **Essbase Security Overview**

- ✓ Essbase Native Security
- ✓ Global Access Security Layer
- ✓ User and Group Security Layer
- ✓ Application Access Type Security
- ✓ The Essbase Security File

➢ Creating Essbase Security Filters

- ✓ The Essbase Security Filter Layer
- ✓ Creating Security Filters
- ✓ Filter Behavior
- ✓ Resolving Security Conflicts

➢ Securing the Essbase Environment in Shared Services

- ✓ Shared Services Security
- ✓ Converting Essbase Users to Shared Services Security
- ✓ Provisioning Users in Shared Services
- ✓ External Authentication and Single Sign-on

➢ Optimizing Block Storage Caches

- ✓ Optimizing the Database
- ✓ Optimizing Caches
- ✓ Setting RAM Caches
- ✓ Cache Hit Ratios

➢ Optimizing Aggregate Storage Cache

- ✓ Aggregate Storage Cache Optimization
- ✓ Managing Aggregate Storage Cache
- ✓ Viewing Aggregate Storage Cache Statistics

➢ Optimizing Buffers and Compression

- ✓ Setting Data Retrieval Buffers
- ✓ Data Compression Methods
- ✓ Setting the Optimal Compression Method

➢ Managing Fragmentation

- ✓ Measuring Database Fragmentation
- ✓ Preventing and Reducing Database Fragmentation
- ✓ Removing Security File Fragmentation

➢ Managing Applications, Sessions, Usernames, and Passwords

- ✓ About Application and Session Management
- ✓ Migrating Applications and Databases

✓ Enabling/Disabling Usernames in Administration Services Console

➢ **Backing Up, Restoring, and Recovering Essbase Databases**

✓ About Backup, Restore, and Recovery
✓ Manual Backup and Restore
✓ Automated Backup and Restore
✓ Manual Recovery
✓ Automated Recovery
✓ Recovering from a Server Interruption
✓ Recovering Corrupted Essbase Databases

➢ **Task Automation**

✓ Automating Tasks Using MaxL
✓ The MaxL Command Shell
✓ MaxL Statements and Syntax
✓ MaxL Username and Password Encryption
✓ Debugging MaxL scripts