

# Oracle Essbase 11.1.2 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