

# Indus IT Training

Course: OBIE – Training Curriculum

Duration: Five Weekends - Sat & Sun: 9.00am – 1.00pm

## Repository Basics

- Oracle BI architecture components
- Repository structure, features, and functions
- Using the Oracle BI Administration Tool
- Creating a repository
- Loading a repository into Oracle BI Server memory

## Building the Physical Layer of a Repository

- ❖ Importing data sources
- ❖ Setting up connection pool properties
- ❖ Defining keys and joins
- ❖ Examining physical layer object properties
- ❖ Creating alias and select tables

## Building the Business Model and Mapping Layer of a Repository

- Building a business model
- Building logical tables, columns, and sources
- Defining logical joins
- Building measures
- Examining business model object properties

**Location: 1033 Sterling Road, Ste. 204, Herndon-VA-20170. USA.**  
**Ph: 703-574-3268 Ext: 7019 / Fax: 703-935-8849 / [training@industraining.net](mailto:training@industraining.net)**  
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## Building the Presentation Layer of a Repository

- ❖ Exploring Presentation layer objects
- ❖ Creating Presentation layer objects
- ❖ Modifying Presentation layer objects
- ❖ Examining Presentation layer object properties

## Testing and Validating a Repository

- ✓ Checking repository consistency
- ✓ Turning on logging
- ✓ Defining a repository in the initialization file
- ✓ Testing a repository using Oracle BI Answers
- ✓ Inspecting the query log

## Adding Multiple Logical Table Sources

- ❖ Adding multiple logical table sources to a logical table
- ❖ Specifying logical content

## Adding Calculations to a Fact Table

- Creating new calculation measures based on existing logical columns
- Creating new calculation measures based on physical columns
- Creating new calculation measures using the Calculation Wizard

## Creating Dimension Hierarchies and Level-Based Measures

- Creating dimension hierarchies
- Creating level-based measures
- Creating share measures
- Creating rank measures

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## Using Aggregates

- ❖ Purpose of aggregate tables in dimensional modeling
- ❖ Modeling aggregate tables to improve query performance
- ❖ Testing aggregate navigation
- ❖ Using the Aggregate Persistence Wizard

## Using Partitions and Fragments

- Purpose for segmenting data into partitions and fragments
- Partition types
- Modeling partitions in an Oracle BI repository

## Using Repository Variables

- ❖ Session variables
- ❖ Repository variables
- ❖ Initialization blocks
- ❖ Using the Variable Manager
- ❖ Using dynamic repository variables as filters

## Modeling Time Series Data

- ✓ Using time comparisons in business analysis
- ✓ Using Oracle BI time series functions to model time series data

## Security

- Creating users and groups
- Setting permissions for users and groups
- Authenticating using an external database

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- Authenticating using database authentication
- Setting query limits and timing restrictions
- Setting filters to personalize information

## Cache Management

- ❖ Restricting tables as non-cacheable
- ❖ Using Cache Manager
- ❖ Inspecting cache reports
- ❖ Purging cache entries
- ❖ Modifying cache parameters and options
- ❖ Seeding the cache

## Setting Up and Administering Usage Tracking

- ✓ Tracking and storing Oracle BI Server usage at the detailed query level
- ✓ Using usage tracking statistics to optimize query performance and aggregation strategies
- ✓ Analyzing usage results using Oracle BI Answers and other reporting tools

## Using Administration Tool wizards and utilities to manage, maintain, and enhance repositories

- ❖ Employing techniques to optimize Oracle BI query performance
- ❖ Applying Oracle BI repository design principles

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