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Hyperion Reporting and Intergration

Course: ODI for EPM Applications

Duration	Cost	Prerequisites
3 Days	£1,900	Basic understanding of data intergration and Hyperion apps

Course Description

This Oracle Data Integrator (ODI) for EPM Applications course is designed to take data warehouse & business intelligence architects, consultants and engineers through the steps needed to integrate data from various sources into Hyperion EPM applications.

The class begins with a data integration overview and an introduction into the basic components and concepts of ODI. We then sequentially create the foundation for building integration processes, which consists of connectivity to the various data sources via logical and physical layers, import definitions of tables, constraints, Hyperion applications and other elements containing stored data, and data quality rules. Next we examine the means to build integration processes to understand the usage of these components. This enables us to build advanced integration solutions and we look behind the scenes of ODI to find potential improvements and ways to resolve errors. We finish by examining how to move data into, between and out of Hyperion applications and learn what can be accomplished and how to best do it.

Course Content

- Overview of ODI
- Topology – Establishing Access to Data Resources
- Models – Managing Metadata
- Constraints – Enforcing Relationships and Data Quality
- Projects – Organise Integration Processes
- Knowledge Modules – Separate Logic from Physics
- Mappings – Basic Business Rules
- Joins & Filters – Combining Data Sources
- Advanced Interfaces
- Procedures – Grouping technical steps
- Packages – Organise the Process Flow
- Scenarios – Executables of Packages
- Operator – Monitor and Debug execution of interfaces
- Other Relevant Knowledge about ODI (optional)
- Hyperion Integrations (Basics, Essbase, Planning, Financial Management - optional)

Course Outcomes

- Ability to set up the required ODI foundation
- Create intergration processes
- Monitor data quality and process execution
- Integrate data and metadata with relevant Hyperion applications
- Understand the design principles upon which ODI is based.

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.

ODI for EPM Applications - Daily Agenda

Day One: ODI Basics

Introduction to Data Intergration

- Overview of ODI
  - Scenarios and Use Cases
  - ETL vs. E-LT – the ODI approach
  - ODI Architecture
  - The Backbone – Knowledge Modules

Activate and specify Data Resources

- Topology – Establishing Access to Data Resources
  - Conceptual architecture
  - Register data servers and establish connectivity
  - Create Contexts
  - Define Physical Schemas
  - Associate Logical Schemas
- Models - Managing Metadata
  - Create Model Folders and Models
  - Reverse-Engineer Data Stores
  - View/edit existing data
  - Define and create new Data Stores

Understand and Build Integration Components

- Projects – Organise Integration Processes
  - Project Folders
  - Introduction to Interfaces, Procedures, Packages and Scenarios
  - Variables
  - User Functions
- Mappings – Basic Business Rules
  - Define Source and Target Data Stores
  - The "What" – Implement Business Rules
  - The "How" – Specify KMs (LKM, IKM)
  - Execute Interfaces
- Operator – Monitor and Debug execution of interfaces
  - Monitor Sessions, Steps and Tasks
  - Analyse and resolve processing errors

Day 2: Foundation and Automation

Build Stronger Interfaces and Capture Kickouts

- Constraints – Enforcing Relationships and Data Quality
  - Data Quality concepts
  - Check Source Data Quality (Static control)
  - Assess Data Quality during the Integration process (Flow control)
- Joins & Filters – Combining Data Sources Create Joins between Data Stores
  - Join Types
  - Add Filters to Data Sources and Joins
- Advanced Interfaces Filtering Distinct Values
  - Defining Variable Field Names
  - Processing Incremental Updates (specify keys, Insert and Update fields)
  - Aggregates with SUM and HAVING

Organise and Automate Process Execution

- Procedures – Grouping technical steps
  - Create Procedures and Steps
  - Use Substitution API
  - Execute Procedures
- Packages – Organize the Process Flow
  - Specify Process Steps (Interfaces, Procedures, Variables)
  - Define Processing Order
  - Conditional Workflow Control
  - Utilize ODI Tools (templates for common tasks)
  - Error Handling

ODI for EPM Applications - Daily Agenda Continued

Day 3: Automation Continued & Hyperion Integrations

Automate and Monitor

- Scenarios - Executable of Packages
  - Generate/Regenerate Scenarios
  - Execute Scenarios (manually, from command line, scheduled)
  - Migrate Integration Processes
- Metadata Navigator – Impact Analysis and Data Lineage

Integrate Hyperion Applications

- Basics of Hyperion Integrations
  - Supported Processes (Essbase/Planning/HFM)
  - Existing Knowledge Modules
  - Architecture
  - Common integration designs
- Hyperion Essbase
  - Reverse-Engineer Dimensions and Data models
  - Load Metadata – Design Interfaces and analyze KM options
  - Load Data – Design Interfaces and analyze KM options
  - Extract Metadata – Design Interfaces and analyse KM options
  - Extract Data – Design Interfaces and analyse KM options
- Hyperion Planning
  - Reverse-Engineer Dimensions and Data models
  - Load Metadata – Design Interfaces and analyse KM options
  - Extract Metadata – Design Interfaces and analyse KM options

Case Study / Q&A

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For more information or to book your place, contact us on:

enquiries@brovanture.com brovanture.com

Guildford Office:
20 Frederick Sanger Road
Surrey Research Park
Guildford, Surrey
GU2 7YD

+44 (0)1483 685450

Manchester Office:
Adamson House (Ground Floor)
Towers Business Park
Wilmslow Road, Didsbury
Manchester, M20 2YY

+44 (0)161 9554213

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