EOK TECHNOLOGIES | Training

DW- ETL Informatica and OBIEE COURSE CONTENTS

Duration : 10 Weekends (Sat & Sun : 4 Hours Each Day)
No. Of Hours : 80 Hours.

Oracle Concepts (10.0g)

1. Oracle Objects
2. DDL Statements
3. DML Statements
4. TCS Statements
5. Joins
6. Sub Query
7. Correlated Sub Query
8. Oracle Analytical functions
9. Views, Materialized views
10. PL/SQL

Datawarehouse Concepts

1. Data Warehouse
2. Data Mart
3. OLAP VS OLTP
4. Data Warehouse Architecture (Basic)
5. Data Warehouse Architecture (with a Staging Area)
6. Dimensional Modeling
7. Star Schema
8. Snowflake Schema
9. Dimension
10. Fact
11. Slowly Changing Dimension
12. Hierarchy
13. Confirmed Dimension
14. Fact less Fact
15. Summary / Aggregations table

!6. Change Data capture

E T L Informatica Power Center 8.1

1. Power Center Components
   a) Designer
   b) Repository Manager
   c) Workflow Manager
   d) Workflow Monitor

2. Informatica Concepts and Overview
   a) Informatica Architecture.
   b) Source Qualifier

c) Target Qualifier
d) Transformations
e) Mappings
f) Mapplets
g) Sessions
h) Tasks

3. Sources
   a) Working with relational Sources
   b) Working with Flat Files

4. Targets
   a) Working with Relational Targets
   b) Working with Flat file Targets

5. Transformations
   a) Expression
   b) Lookup
   c) Sequence Generator
   d) Filter
   e) Joiner
   f) Sorter
   g) Procedural
   h) Router
   i) Aggregator
   j) Active and Passive Transformations
   k) Update Strategy
   l) Data Concatenation
   m) Debugging Mappings

6. Mappings & Mapplets
   a) Mapping Variables & Parameters
   b) Creating Cubes & Dimensions
   c) Working with Mapping Wizards

7. Workflow Manger
   a) Server Architecture
   b) Workflows, Worklets & Sessions
   c) Tasks, Assignments, Events, Command etc,

8. Performance Tuning
   a) Informatica Tuning (Source, target, mapping & Session)
   b) Oracle Tuning (Indexes, MV, Explain plan, Tkprof & SQL Hints)

9. Project - Case Study

10. Project - Review and Assignment

Distributed systems Scheduling tools:

- Autosys
- Autosys **Vs** Informatica Scheduler.

OBIEE 10.1.3.3.3.

OBIEE 10.1.3.3.3 is a client-server tool for reporting and analyzing data. The following subjects are covered:

1. OBIEE 10.1.3.3.3 Installation

2. Concept of Dimensional Modelling
   a) Star Schema
   b) Snow Flake
   c) Fact Table
   d) Dimensional Table

3. OBIEE Architecture
   I. Components of OBIEE
   a) Oracle BI Presenation Server
   b) Oracle BI Server
   c) Pop Chart Server
   d) Oracle BI Scheduler
   e) Admin Tool

4. Different Versions Of Oracle BI and Attributes
5. Oracle BI User Interface
   a. Answers
   b. Dashboards
   c. Views
   d. Prompts
   e. Variables
   f. User and Groups
   g. Previllages
   h. GoNav

6. Oracle BI Admin Tool
   I. Message flow from Browser to Data warehouse
   I. Physical Layer
      a) Importing Physical Tables
      b) Creation of Physical Joins
      c) Configuring Connection Pools
      d) Exploring Views
   II. Logical Layer
      a) Creation of Business Model
      b) Creation of Logical Facts
      c) Creation of Dimensions
      d) Creation of Dimension Hierarchies/Levels
      e) Creation of Measures
      f) Aggregation Navigation
      g) Fragmentation Content & WHERE clause

III. Presentation Layer
- a) Creation of Presentation Catalog
- b) Creation of Presentation tables
- c) Creation of Presentation Columns

IV. Groups, Users, Repository Variables, Session Variables, Initialization Blocks

7. Enabling Cache
   a) Creating iBots
   b) Automated Cache Purging using Event Polling
   c) Seed Cache
8. Security
   I. Authentication
      a) LDAP
      b) Database
      c) Repository
      d) External Table
   I I. Authorization
      a) Filters, Data Security – GROUP
      b) UI Security – WEBGROUPS
9. Siebel Analytics Time Series Wizard
   a) Year Ago, Quarter Ago, Month Ago
10. OBIEE UI Tricks
11. OBIEE Repository Tricks
12. Real time Project Repositories
13. Recap of the session, important website address