



# Oracle BI Application ETL Training

## ***Oracle BI Application ETL Training***

This course provides basic training in topics related to the tasks performed by an Oracle BI ETL developer. It is intended for individuals on the implementation team whose major role is to build and modify, and administer Informatica ETL mappings and workflows.

The objectives of the Oracle BI basic ETL module are as follows:

- Enable students to install, design, customize, and configure the Oracle Business Analytics Warehouse
- Install and configure PowerMart / PowerCenter
- Describe Oracle BI Applications Integrated Solution
- Understand Informatica PowerMart / PowerCenter metadata objects
- Build mappings and mapplets
- Create and execute sessions
- Describe advanced server features
- Describe the server process and memory architecture
- Perform basic repository administration tasks
- Describe available update strategies

### **Suggested Prerequisites:**

- Dimensional modeling
- Database design
- **Relational Database Management Systems (RDBMS)**
- **Structured Query Language (SQL) concepts**
- **Windows GUI**
- **Open Database Connectivity (ODBC)**

### **Course Duration:**

- 3 days
- Detailed schedule is given below

## Informatica ETL Environment - Training Day 1

Time	Topic	Detail
9:00 – 9:10	Introductions	
9:10 – 9:40	ETL Overview	Oracle Analytics, ETL, Informatica, Process, Tools
9:40 – 10:00	Repository Mgr Overview	Features, Security, Folders, Command line features
10:00 – 10:15	Lab1 - Repository Mgr Creating Folders	Use repository manager to create a project folder
10:15 – 10:30		
10:30 – 11:00	Data Sources Presentation	RDMS, Flat files, COBOL, XML as data sources
11:00 – 11:45	Lab2 - Analyzing Data Sources	Analyze operational source tables that contain the data needed for the project
11:45 – 12:45	Lunch	
12:45 – 1:05	Target Definition Overview	Target definition
1:05 – 1:25	Lab3 - Designing a Target Table	Design the data mart target schema
1:25 – 1:55	Introduction to Mappings	Transformation & Mapping Concepts
1:55 – 2:40	Lab4 - Creating a Mapping	Create Transformations to map source data to target tables
2:40 – 3:10	Sessions Overview	Workflow Mgr for sessions configuration & monitoring
3:10 – 4:00	Lab5 - Creating a Workflow	Loading Target Tables
4:00	Q & A	

## Informatica ETL - Training Day 2

Time	Topic	Detail
9:00 – 9:15	Daily Introduction	Follow-up from previous day
9:15 – 10:15	Advanced Topics Presentation	Specialized & Advanced Transformation Concepts
10:15 – 10:30	Break	
10:30 – 11:30	Lab 6 Flat File Join	Working with flat and text files
11:30 – 12:00	Advanced Topics Presentation – cont.	
12:00 – 1:00	Lunch	
1:00 – 2:00	Lab 7 Filter Transformation	Excluding records from the transformation pipeline
2:00 – 2:30	Advanced Topics Presentation – cont.	
2:30 – 2:45	Break	
2:45 – 3:45	Lab 8 Update Current Items	Incremental Update refreshing
3:45 – 4:00	Q & A	

### Informatica ETL - Training Day 3

Time	Topic	Detail
9:00 – 9:15	Daily Introduction	Follow-up from previous day
9:15 – 9:45	Adv. Target Operations Overview	Target Table row operations, smart aggregation, Mapping Wizards
9:45 – 10:45	Lab 8 Slowly Changing Dimensions	Working with slowly changing dimension data & data transformations
10:45 – 11:00	Break	
11:00 – 11:45	Reusable Logic Overview	Advantages & uses for reusable logic
11:45 – 12:45	Lab 9 Mapplet with Normalizer Transformation	Building & using Mapplets
12:45 – 1:45	Lunch	
1:45 – 2:15	Lab 10 Mapplet with Rank Transformation	Building & using Mapplets
2:15 – 3:00	Partitioned Extraction & Loading Overview	Integration architecture, data movement, Pipeline Partitioning
3:00 – 3:15	Break	
3:15 – 3:45	Session DTM Parameters	DTM Configuration, Cache rules, performance counters
3:45 – 4:00	Q & A	