

## O1080 Oracle 10g Data Warehousing Fundamentals

### Course Objectives

This course will study the fundamentals of Data Warehousing and the benefits it can bring to any Business Intelligence system. It will look into the planning, design and deployment of a Data Warehouse, and also deal with the reporting issues involved.

As well as an overview of the concepts behind Data Warehousing, Oracle Warehouse Builder and Oracle Discoverer will be used to examine some of the techniques available. This course is applicable to those using 9i as well as 10g versions.

---

<b>Who Should Attend</b>	<b>Prerequisites</b>	<b>Duration</b>
Oracle Developers Oracle DBA's	PC Fundamentals	2 Days

---

### Course Contents

#### **Introduction**

An overview of Data Warehousing ideas.  
 Decision Support systems  
 Executive Information Systems  
 Analytical vs. Transactional processing.

#### **Modelling**

Star schema design  
 Entity relationships  
 Dimensions  
 Fact Tables  
 Data Cubes  
 MOLAP and ROLAP.  
 Data Warehouses vs. Data Marts.  
 Metadata Layers

#### **ETL**

Data Sources  
 Extracting data  
 Transforming data  
 Loading data into the Warehouse.  
 SQL and PL/SQL techniques  
 External Tables  
 Materialised Views

#### **Oracle Warehouse Builder**

Building the Warehouse,  
 Refreshing the Warehouse data.  
 Managing the Warehouse

#### **Reporting**

Oracle Discoverer  
 Summary Tables  
 Oracle Reports  
 Analytical SQL  
 Tabular vs. Matrix reports  
 Other reporting tools.