



## ETL Informatica Training

### Training Topics

#### Chapter 1:

- Introduction to Data Warehousing
- Necessity of Data warehousing
- Relationship between OLTP, OLAP and ETL
- OLAP VS OLTP
- Architecture of Data warehousing
- What is Data marts ?
- Modelling – Dimensional modeling
- Schema's in Data warehousing

#### Chapter 2:

- Star Schema
- Snowflake schema
- Fact tables and its usages
- Fact vs dimensional tables
- Normalization vs De-Normalization

#### Chapter 3:

- What is ETL?
- ETL Architecture and explanations
- ETL project – SDLC and STLC
- Types of complexity – Duplicate data, loss of data, fault in Business process
- Workflow activities in the ETL

#### Chapter 4:

- Different types of ETL testing
- SQL Queries used in the ETL testing
- How to perform the incremental load testing?
- ETL Tools in market – Informatica, datastage and Ab initio etc
- Components in power center
- What is repository manager and workflow manager?
- Explanation of workflow monitor
- Designer and its users



## Chapter 5:

- Architecture of Informatica
- Working with targets and Sources
- Relational targets vs flat file targets
- Different transformations
- Sorter
- Joiner and its exercise
- Expression
- Router
- Aggregator
- Sequence generator

## Chapter 6:

- Working with Unions
- Store procedures
- Slowly changing dimensions
- Play around with session
- Tasks – Decision, Control and Timer task

## Chapter 7:

- How to Schedule Work Flow?
- How to transform data from XML source?
- Working with performance tuning
- Different types of partitioning
- Dynamic
- Pipeline
- Pushdown optimization
- Preparation and review of test cases
- Execution of test cases
- Preparation of test reports