

Day 1:

Module 1: Data warehouse Concepts

- Business Intelligence
- Data Warehousing Concepts (What/Why/How)
- Data Modeling (Schemas, FACTS and DIMENSIONS)
- Data Mart
- Metadata
- OLAP VS OLTP
- Dimension
- Fact
- Types of Dimension tables
- Types of Fact tables
- Star Schema
- Snowflake Schema
- Slowly Changing Dimensions
- Top down and Bottom up approach

Day 2:

Module 2: SQL Concepts

- Conceptual Explanation on SQL: DDL, DML, DRL, TCL, DCL
- Constraints, Joins, sub queries, Analytical functions
- 200 exercises for self study & Practice

Day 3:

Module 3: E T L Informatica Power Center 9.X.X

- Why do we need ETL tool and Why Informatica?

Introduction to Informatica

- Introduction
- Getting started
- Informatica Suite Components
- Informatica Architecture
- Informatica Server

Day 4:

Module 4: Informatica Power Center Client Components

- Repository Manager
- Designer
- Workflow Manager
- Workflow Monitor

Module 5: Informatica Building Blocks

- Source & Targets
- Transformations
- Mappings
- Mapplets
- Sessions
- Workflows

Day 5:

Sources

- Working with Relational Source
- Working with Flat file Source
- Working with heterogeneous sources

Targets

- Working with Relational Targets
- Working with Flat file Targets
- Direct and Indirect file loading

Day 6:

Module 6: Different Transformations

- Active and Passive Transformations
 - Connected and un-connected transformations
1. Source Qualifier Transformation
 2. Filter Transformation

Lab & Self study exercises:

Day 7:

3. Expression Transformation

Lab & Self study exercises:

Day 8:

4. Sorter Transformation
5. Aggregator Transformation

Lab & Self study exercises:

Day 9:

6. Router Transformation
7. Rank Transformation

Lab & Self study exercises:

Day 10:

8. Sequence Generator Transformation
9. Joiner Transformation

Lab & Self study exercises:

Day 11:

10. Lookup Transformation
 - Connected Lookup
 - Un Connected Lookup

Lab & Self study exercises:

Day 12:

11. Update Strategy Transformation
12. Union Transformation

Lab & Self study exercises:

Day 13:

13. Normalizer Transformation

Lab & Self study exercises:

Day 14:

14. Transaction Control Transformation
15. Stored Procedure Transformation

Lab & Self study exercises:

Day 15:

- Mapping Parameter & Variable
- Mapplet
- Target Load Plan
- Debugger

Lab & Self study exercises:

Day 16:

Module 7: Informatica Advanced Concepts

Slowly Changing Dimension (SCD) Types

- SCD type1 – LAB
- SCD type2 – LAB
- SCD type3 – LAB

Day 17:

Module 8: Workflow task

- Decision Task
- Email Task
- Command task
- Control task
- Event wait
- Event raise
- Timer
- Lab exercise:
- Self exercise

Day 18:

Module 9: Session level Properties

- Pre and Post SQL
- Static and dynamic cache
- Persistent cache
- Parameter variable and file

Lab exercise:

Self exercise:

Day 19:

Module 10: Performance Tuning

Informatica Tuning (Source, target, mapping & Session)

- Push down optimization
- Partitioning Types

Day 20:

- Migration concepts
- Real time project explanation
- Resume Preparation

Module 11: Case studies

Case A, Case B, Case C – 15 Exercises