

Informatica 8.6 Course Content:35-40hours

Course Outline

Informatica 8.6

Introduction to Data warehousing

- What is Data warehousing?
- Who needs Data warehouse?
- Why Data warehouse is required?

Types of Systems

- (i)OLTP
- (ii)DSS

- Maintenance of Data warehouse
- Data warehousing Life Cycle
- Data warehousing Testing Life Cycle

Data warehousing Architecture

- Source
- Integration Layer
- Staging Area
- Targets
- Analysis & Reporting
- ODS

Data Modeling

- Introduction
- Different phases of Modeling

- Multi Dimensional Modeling
- What is a Dimension?
- What are Facts?
- Multi Dimensional Model

- Hierarchies
- OLAP
- MOLAP
- ROLAP

HOLAP

- Cubes and its Functions
- Star Schema
- Fact Table
- Dimensional Tables
- Snow flake Schema
- Factless Fact Table
- Confirmed Dimensions

Introduction to Informatica

- Overview
- Basic Definitions
- Informatica Products
- Informatica Architecture
- Tools and their roles
- Folders – Sub Folders
- Power center / Power mart
- Differences between 7x and 8x

Informatica Designer – Introduction

- Introduction to designer
- Designer interfaces
- Designer tools
- Defining Sources

- (i)Database as a source
- (ii)Flat Files sources

Defining Targets

- (i)Importing from database
- (ii)Creating a new target
- (iii)Creating target database objects

Informatica Designer

- Mapping Introduction
- Source Qualifier
- Ports
- Mapping – Table to Table

- Mapping flat file to Table
- Connected / Unconnected Transformations
- Active and Passive Transformations
- Source Qualifier Transformation
- SQL override in Source Qualifier Transformation
- Mapping Source Qualifier as Filter
- Source Qualifier to join data
- Filter Transformation
- Expression Transformation
- Sequence Generator Transformation
- Rank Transformation
- Router Transformation
- Aggregator Transformation
- Joiner Transformation
- Stored Procedure Transformation
- Connected and unconnected Transformation
- Union Transformation
- XML Transformation
- Mapping Wizards
- Implementing Type-I, Type-II and Type-III mappings

Informatica Workflow Manager

- Workflow Introduction
- Tasks
- Workflow Tools
- Connections
- Defining Tasks

- (i)Command Task
- (ii)Email Task
- (iii) Session Task
- (iv) Link Conditions
- (v)Event Wait & Event Raise

- Setting properties of Session Task
- Creating Workflow
- Starting Workflow
- Monitoring Workflow

Informatica Advanced Features

- Incremental Aggregation
- Mapping Analyst for Excel (MAE)
- Push-down Optimization

- Mapplet Implementation
- Target Load Plan
- Constraint Based Loading
- Mapping Parameters
- Mapping Variables
- Session Parameters
- Link Conditions
- Meta Data Backup & Restore
- Copying Repository
- Deleting Repository
- Sending Notification Messages