

## Informatica Course Syllabus

Duration: 35 hours

Faculty: Informatica Certified consultant

### Data Warehousing Concepts

- Data Warehouse
- Data Mart
- OLAP VS OLTP
- Data Warehouse Architecture (Basic)
- Data Warehouse Architecture (with a Staging Area)
- Dimensional Modeling
- Star Schema
- Snowflake Schema
- Dimension
- Fact
- Slowly Changing Dimension (Type 1, 2 and 3)
- Hierarchy
- Confirmed Dimension
- Fact less Fact Table.
- Summary / Aggregations table
- Change Data capture

### Power Center Components

- Designer
- Repository Manager
- Workflow Manager
- Workflow Monitor

### Informatica Concepts and Overview

- Informatica Architecture.
- Source Qualifier
- Target Designer
- Transformations
- Mappings
- Mapplets
- Sessions
- Tasks

### Sources

- Working with relational Sources
- Working with Flat Files

### Targets

- Working with Relational Targets
- Working with Flat file Targets

### Transformations

- Expression Transformation
- Lookup Transformation
- Sequence Generator Transformation
- Filter Transformation
- Joiner Transformation

- Sorter Transformation
- Procedural Transformation
- Router Transformation
- Aggregator Transformation
- Update Strategy Transformation
- Union Transformation
- Rank Transformation
- Transaction Control Transformation
- Normalizer Transformation
- Source Qualifier Transformation
- Stored Procedure Transformation
- XML Source Qualifier Transformation
- Debugging Mappings

## **Power Center Transformation Language**

- Numeric functions
- String Functions
- Date Functions
- Conversion Functions
- Cleansing Functions
- Aggregate Functions
- User Defined Functions

## **ADVANCED INFORMATICA CONCEPTS**

- Unconnected lookup Transformation
- Unconnected Stored Procedure to Create and Drop Index
- Mapplet and Types of Mapplets
- Defining Reusable Transformations.
- User Defined Functions
- Tasks And Types of Tasks
- Worklet and Types of Worklets
- Scheduling Work flow
- Constraint Based Load Ordering
- Target Load Plan
- Types of Batch Processing
- Link conditions
- Mapping Parameters
- Mapping Variables
- Defining Session Parameters
- Session Recovery
- Difference Between Normal and Bulk Loading
- Push Down Optimization
- PMCMD Utility
- PMREP Utility
- Incremental Aggregation

## **TYPES Of LookUp Caches**

- Static LookUp Cache
- Dynamic LookUp Cache
- Persistence lookup Cache
- Shared LookUp Cache

- Sorter and Rank Cache

## Task Types

- Session
- Command
- EMAIL
- Timer
- Event Wait
- Event Raise
- Decision
- Assignment
- Control
- Worklet

## ETL Testing

- UNIT Testing
- System Integration testing
- PERFORMANCE TESTING
- ETL Performance Optimization techniques