

# **INFORMATICA POWER CENTER SYLLABUS**

## **Module 1: Data Warehousing Concepts**

- Data Warehouse
- Data Mart
- OLAP VS OLTP
- Data Warehouse Architecture
- Dimensional Modeling
- Star Schema and Snowflake Schema
- Fact vs Dimension
- Types of Dimension
- Slowly Changing Dimension (Type 1, 2 and 3)
- Levels and Hierarchy
- Fact less Fact Table.
- Summary / Aggregations Table
- Change Data Capture

## **Module 2: Power Center Components**

- Designer
- Repository Manager
- Workflow Manager
- Workflow Monitor

## **Module 3: Informatica Concepts and Overview**

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

## **Module 4: Sources**

- Working with relational Sources
- Working with Flat Files
- Check Data in Source

## **Module 5: Targets**

- Working with Relational Targets
- Working with Flat file Targets
- Check Data Load in Target

## Module 6: Transformations

- Source Qualifier Transformation
- Filter Transformation
- Sorter Transformation
- Router Transformation
- Aggregator Transformation
- Expression Transformation
- Union Transformation
- Rank Transformation
- Normalizer Transformation
- Sequence Generator Transformation
- Joiner Transformation
- Lookup Transformation
- SQL Transformation
- Update Strategy Transformation
- Transaction Control Transformation
- Stored Procedure Transformation
- XML Source Qualifier Transformation

## Module 7: Power Center Transformation Language

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

## Module 8: Advance Concepts

- Unconnected lookup Transformation
- Unconnected Stored Procedure to Create and Drop Index
- Maplet
- Defining Reusable Transformations
- User Defined Functions
- Tasks
- Worklet
- Scheduling Workflow
- Constraint Based Load Ordering
- Target Load Plan
- Types of Batch Processing
- Link Conditions
- Mapping Parameters
- Mapping Variables
- Debugging Mappings
- Defining Session Parameters

- Session Recovery
- Difference Between Normal and Bulk Loading
- Push Down Optimization
- PMCMD and PMREP Utility

#### **Module 9: Types Of LookUp Caches**

- Static LookUp Cache
- Dynamic LookUp Cache
- Persistence lookup Cache
- Shared LookUp Cache
- Sorter and Rank Cache

#### **Module 10: Task Types**

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

#### **Module 11: ETL Testing**

- UNIT Testing
- System Integration testing
- Performance Testing
- ETL Performance Optimization Techniques

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