

# Informatica Course Agenda

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- 1. An Overview of Informatica PowerCenter 9** [1 Hour]
  - Overview of PowerCenter
  - What is Data Warehouse
  - DataMart
  - Architecture
  - Need for ETL Tool
  - Sample ETL Tools
  - Sample Reporting Tools
  - Components of Informatica
  - Informatica supportive Source systems
  - Informatica supportive Target systems
  
- 2. Data Warehouse Fundamentals** [1.5 Hour(s)]
  - Data warehouse overview
  - DWH features
  - DWH Applications
  - OLAP Vs OLTP
  - What is a Dimension
  - Types of Dimensions
  - What is a Fact
  - Types of fact tables
  - DWH Schemas
    - Star Schema
    - Snowflake Schema
  
- 3. SQL** [3 Hour(s)]
  - DDL and DML Commands
  - Joins
  
- 4. Basic UNIX Commands** [2 Hour(s)]
  - File Commands
  - Disk Commands
  
- 5. Informatica PowerCenter Components and User Interface** [2 Hour(s)]
  - Informatica PowerCenter Client Tools
  - Start Using of the Designer, Workflow Manager and Workflow Monitor
  
- 6. Informatica PowerCenter Fundamentals** [3 Hour(s)]
  - How to create:
    - a. Flat file and relational Sources using the Source Analyzer

- b.Flat file and relational Targets using the Target Developer
- c. Mappings using the Mapping Designer
- d.Workflows using the Workflow Designer
- e.Monitor the workflow using the Workflow Monitor
- f. Preview Target Data using the PowerCenter Designer

**7. PowerCenter Transformations** [2 Hour(s)]

- Types of Transformations with examples
  - a.Active Transformations
  - b.Passive Transformations

**8. Source Qualifier Transformation** [1 Hour(s)]

- SQL override in source qualifier transformation
- Source qualifier transformation on Relational Databases
- Source qualifier transformation on File systems
- Source qualifier transformation filter concepts

**9. Expression, Filter Transformations** [1.5 Hour(s)]

- Expression Editor

**10.Router and Aggregator** [1.5 Hour(s)]

**11.Sorter and Rank Transformations** [1.5 Hour(s)]

**12.Joiner** [1 Hour(s)]

- Join Types
  - Normal Join
  - Master Outer join
  - Detail Outer join
  - Full outer join
- Use a Joiner Transformation to join relational and flat file sources

**13.Lookup** [1.5 Hour(s)]

- Define the Lookup Transformation
- Understand the different types of Lookups
- Clarify Lookup Caching

**14.Sequence Generator** [0.5 Hour(s)]

**15.Update strategy** [1.5 Hour(s)]

**16.Workflow Designer** [1.5 Hour(s)]

- Tasks
- Worklet
- Link Conditions

**17. Workflow tasks** [2 Hour(s)]

- Command Task
- Assignment Task
- Decision Task
- Email Task
- Event Raise Task
- Event Wait Task
- Control Task
- Timer Task

**18. Parameters and Variables** [2 Hour(s)]

**19. Slowly Changing Dimensions** [2 Hour(s)]

- SCD Type1
- SCD Type2
- SCD Type3

**20. Performance Tuning concepts** [1.5 Hour(s)]