

## Informatica Course Content

### Course Description:

Informatica is a leading Enterprise Cloud Data Management and Data Integration platform in the world. Informatica is a software development company that mainly focuses on data integration that includes ETL, information lifecycle management, data masking, data exchange, ultra messaging, data replication, complex event processing, data quality, master data management, cloud computing integration, data virtualization.

Informatica empowers next-generation intelligent enterprises with digital transformation. It provides intelligent data platform using its microservices architecture, CLAIRE engine, machine learning, and AI technology. Informatica PowerCenter ETL tool analyzes the information from different data sources to establish and maintain data warehouse applications.

Hachion's Informatica online training is well-structured by industry experts. Through our Informatica PowerCenter ETL tutorial, beginners can deep dive into Informatica basic and core concepts like Informatica architecture, ETL, data warehouse, etc. Future scope of Informatica is huge because of its wide cloud-based services in data migration, web services integration, real-time integration, B2B integration, application integration, data warehousing, and middleware applications.

### Course Content:

#### Datawarehouse 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
- Hierarchy
- Confirmed Dimension
- Fact less Fact
- Summary/ Aggregations table
- Change Data capture

#### ETL Informatica Power Center

- Informatica 8.X and 9.X Versions differences

- Power Center Components
- Designer
- Repository Manager
- Workflow Manager
- Workflow Monitor

## **Informatica Concepts and Overview**

- Informatica Architecture
- Source Qualifier
- Target definition
- 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
- Lookup
- Sequence Generator
- Filter
- Joiner
- Sorter
- Procedural
- Router
- Aggregator
- Active and Passive Transformations
- Update Strategy
- Data Concatenation
- Debugging Mappings

## **Mappings & Mapplets**

- Mapping Variables & Parameters
- Creating Cubes & Dimensions

- Working with Mapping Wizards

### **Workflow Manager**

- Server Architecture
- Workflows, Worklets & Sessions
- Tasks, Assignments, Events, Command

### **Performance Tuning**

- Informatica Tuning (Source, target, mapping & Session)
- Oracle Tuning (Indexes, MV, Explain plan, Tkprof & SQL Hints)

### **Project - Case Study**

### **Project - Review and Assignment**

- Scheduling tool: Informatica Scheduler