

**Informatica 8.6 Course Content:35-40hours**

**Course Outline**

**Data ware Housing Basic concepts**

- Data ware house definitions. Who needs DWH? Why DWH is needed Characteristics of Data ware housing OLTP Vs OLAP Databases
- DWH Architecture & Implementation Different Approaches Ralph Kimball Methodology Inmon Methodology Data Marts
- Logical ware house modeling & schema design
- Definition of star schema
- Data marts reasons for construction
- Design of Dimensions and facts
- Snow flake star schema
- Slowly changing Dimensions
- Data marts containing multiple facts
- Galaxy schema
- Common design complexities
- Conformed Dimensions
- Marinating the Data ware house
- Reasons for partitioning
- Types of partitioning
- Partitioned data Vs Non Partitioned data
- Physical design in Data ware House
- Moving from logical design to physical design
- Physical design
- Physical Design structures
- Table and Partitioning tables
- Views
- Integrity constraints Materialized Views
- Overview of Extraction, Transformation and Loadin
- Overview of different ETL tools
- Extraction in DWH
- Overview Of extraction in DWH
- Understanding Extraction methods in DWH
- Logical Extraction Methods
- Physical Extraction Methods
- Data ware housing extraction examples
- Loading and transformation Overview Of loading and transforming Transformation flow
- Loading mechanisms External Tables Export and import Transformation Mechanism Transformation using sql Transformation using pl/sql Transformation using table function
- Loading and Transformation scenario Parallel load scenario Key lookup scenario Exception handling scenario
- Informatica Power center
- Basic concepts of Informatica
- Overview of basic definitions Informatica products, Architecture Tools and their roles
- Understanding informatica server configuration
  
- Informatica admin console (overview)

- Viewing informatica Repository Creation of repository Backup Of repository Restoring repository Copying of repository
- Informatica repository manager
- Creating of users and groups Managing of Users Assigning of privileges Creation of folders
- Informatica Designer
- Basic concepts Using the designer Working with sources Working with flat files, Targets Mappings, transformations, maplets
- Working with debugger Creating dimensions and schema Implementing type1, type2, type3 mappings Loading Data into fact tables
- Working with Transformations
- Aggregator
- XML
- Expression
- Filter
- Joiner
- Lookup
- Rank, Router
- Sequence Gene
- Sorter
- Stored procedure Union Transformation Update strategy Connected Vs Unconnected
- Creating Work Flows
- Understanding server Architecture Working with work flows Working with task assignment, Command, decision, control, event wait, timer, event raise, email, session Working with work lets Log files
- Monitoring work flows Parameter files

