DATAWAREHOUSE – INFORMATICA 9.5 COURSE CONTENT

- Course Introduction
    - 1. Course Objectives
    - 2. Introduction to Informatica Power Center
    - 3. Components & Architecture
- Designer Overview
    - 1.Interface
    - Tools
- Live Demo: creating and debugging a mapping

Concepts

- Mappings
- Sources and Targets
- Transformations Objects
- Transformation Objects In Depth I
- Source Qualifier
- Expression
- Filter
- Aggregator
- Target Instance
- Lookup
- Working with Flat Files
    - Importing & editing flat file sources & targets
    - Flat file data-types
- Using the Debugger
    - Debugging process and strategies
    - Breakpoints, evaluate expressions

- Designer Tips
  - Documenting objects
  - Context Sensitive Help, Autolink, Link Path
- Transformation Objects In Depth II
  - Stored Procedure, Router, Sorter
- Local Variables
  - Using local variables
  - Port evaluation
- Transformation Objects In Depth III
  - Rank, Joiner
- Functions
  - Built-In Functions
  - User-Defined Functions
  - Designer: Propagate attributes
- Sharing and Reusing Designer Objects
  - Reusable transformations
  - Working with shortcuts
- Transformation Objects In Depth IV
  - Union, Normalizer, Java Transformation, SQL Transformation, HTTP Transformation, Transaction Control
- Mapplets
  - Designer: Foreign Key Relationships
  - Transformation Objects In Depth V
  - Update Strategy, Sequence Generator
- Slowly-Changing Dimensions
- Workflow Manager
  - Menus & tools
  - 5 steps to creating a workflow
  - Session properties
- Workflow Monitor
  - Interface
  - Controlling workflows and tasks
  - Viewing logs & session properties

- Gantt Chart View & Task View
- Workflow Tasks
    - Command, Email, Decision, Timer, Control, Event Raise & Wait
- Worklets

Parameters & Variables

- In mappings
- In sessions and workflows
- Parameter files
- New in 9.5
    - New XConnect for SAP BW 7.0, 7.3
    - New XConnect for custom metadata
    - Rule-based linking
    - Easier to develop and manage: Validation, user-friendly logging
    - Revamped all XConnects for BI and data modeling tools
    - Focused functionality on Operational (Production)
    - Validation scenarios
    - Incremental validation
    - Enhanced reports and dashboards with drill down (Jasper)
    - Single Sign-on
    - Testing across heterogeneous table joins
    - Extending data support
- More Information
    - **Big Transaction Data PowerExchange for** Relational, Data Warehousing, Applications
    - New with 9.1:

        PWX for Greenplum

        PWX for MS Dynamics CRM

        PWX for Oracle CDC – Direct to Log

        Support for Exadata: Source/target and repository
    - New with 9.5:

        PWX for SAP: SAP HANA extract/load via ODBC, SAP for BW 7.3

        PWX SQLServer: Datetime2 support, bulk load performance

- POWEREXCHANGE
    - 1.Power Exchange Data Mover configuration.
    - 2.Installation and configuration of Power Exchange (Navigator and Listener).
    - 3.Setup required for Oracle,Sqlserver and non-relational databases.
    - 4.Creation of Datamaps and Extractation maps,Application map,Registration maps.
    - 5.CDC setup .
    - 6.Continuous and real-time process of CDC.