Informatica PowerCenter 9.0 Developer

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Introduction

Informatica developer is a tool in Informatica 9.0 where you can develop data quality plans/mapping. This tool contains all the transformation of power center and other new transformations related to data quality. These plans can be integrated with power center mappings to schedule the job..In Informatica 9, Informatica data quality (IDQ) has been further integrated with the Informatica Platform and performance, manageability and reusability have all been significantly enhanced.

Benefits

ETL & Data Integration

Data governance, Data migration, and Data warehousing.

Pre-requisites

Databases basics knowledge

Duration

35 hours/5 Full days/10-Half days

Course Content

Refer Pg2 for Detailed Content

Day 1	**Session 1** **Introduction DW&BI** Data warehouse & Business Intelligence Concepts Data integration concepts *Theory*	**Session 2** **Introduction PowerCenter** Transformation, Tasks Components, Architecture *Theory/Demo*
Day 2	**Session 3** **Source & Expression** Homogenous joins, Data type conversions Pipeline Mapping, Target load plans Data manipulation ,Filter data, Scheduling Mapping *Theory/Demo/Practices*	**Session 4** **Joiner & Lookup** Heterogeneous joins, Properties, Shortcuts Lookup, Reusable transformations *Theory/Demo/Practices*
Day 3	**Session 5** **Debugger & Sequence Generator** Debug & Set break points in mapping Sequence properties overview *Theory/Demo/Practices*	**Session 6** **Lookup caching, Sorter and Aggregator** Persistent, Management of cache Sorter & Aggregator, Expressions *Theory/Demo/Practices*
Day 4	**Session 7** **Router & Update strategy** Router, groups, properties Update strategy, Target update overrides SCD type-1(Load) *Theory/Demo/Practices*	**Session 8** **Dynamic cache & Unconnected lookup** Dynamic cache properties, lookup row ports Connected Vs unconnected, advantages Parameter and variables *Theory/Demo/Practices*
Day 5	**Session 9** **Mapplets, Workflow variables & tasks** Designer, Input/output Transformations Variable in workflow *Theory/Demo/Practices*	**Session 10** **Workflow task and worklets** Different and reusable tasks Worklets Q&A discussion *Theory/Demo/Practices*

Data Integration Concepts and Terms

Mapping
Data Model
ETL
Transformation
Task
Workflow
Metadata

PowerCenter Transformations

PowerCenter Components and User Interface

PowerCenter Architecture & Client App

Lab

Source Qualifier Transformations

Data type conversion
Homogeneous Join
Lab

Expression and Filter Transformations

Expression Transformation overview
Filter Transformation overview
Workflow Scheduler
Lab

Joiner Transformation

Heterogeneous Joins
Joiner Transformation overview
Shortcuts
Lab

Lookup Transformation

Lookup Transformation overview
Pipeline Lookup
Re-usable transformations
Lab

Debugger

Debugger User Interface
Set Breakpoints
Lab

Sequence Generator Transformation

Sequence Generator overview and Properties
Lab

Lookup Caching

Persistent Lookup Cache
Cache Management in mappings and sessions
Lab

Sorter and Aggregator Transformations

Sorter Transformation overview
Aggregator Transformation overview
Aggregate Expressions

Router and Update Strategy Transformations

Router Transformation overview
Router Groups
Update Strategy Transformation overview
Port Default Values
Source Qualifier Overrides
Target Update Override
Session Task Override
Lab (SCD Type1 Load)

Dynamic Lookup Cache

Dynamic Lookup Cache Properties
NewLookupRow Port
Lab

Unconnected Lookup

Unconnected Lookup Advantages
Connected versus Unconnected Lookups
Join versus Lookups
Mapping Parameters and Variables
Lab (Fact Load)

Mapplets

Mapplet Designer
Mapplet Input and Mapplet Output Transformations
Lab

Mapping Design - Workshop

Workflow Variables and Tasks

Link Conditions
Workflow Variables
Assignment Task
Decision Task
Email Task
Lab

More Workflow Tasks

Event Wait Task
Event Raise Task
Command Task
Re-usable Tasks
PMCMD Utility
Lab

Worklets and More Workflow Tasks

Re-usable and Non-Reusable Worklet
Timer Task
Control Task
Lab

Workflow Design - Workshop

Question & Answer and discussion session
Final wrap-up