

Cloud Data Integration for Developers, Advanced (Instructor Led)

3 Days

DURATION

14

MODULES

72

TOPICS

COURSE OVERVIEW

Explore the advanced functionalities of Informatica Intelligent Cloud Services such as using expression macros, dynamic mapping task, file listeners, handling dynamic schema change and errors, performing structure discovery, SQL ELT optimization, partitioning, and using advanced transformation in cloud mapping designers. This course is applicable to April 2026 Release.

WHO THIS COURSE IS FOR

- Developer

PREREQUISITES

- Cloud Data Integration for Developers (Instructor Led or onDemand)

LEARNING OBJECTIVES

What You Will Learn

- After successfully completing this course, students should be able to:
- Use advanced Transformations in Cloud Mapping Designer
- Use Macros in a Mapping
- Create Dynamic Mapping Tasks
- Handle Dynamic Schema Change
- Use File Listener for Task Automation
- Use Hierarchy Builder and Parser Transformations
- Use Intelligent Structure Discovery
- Use Unconnected Lookup Transformation in a Mapping

- Perform SQL ELT Optimization in a Mapping
- Perform various Types of Partitioning
- Discuss Performance Tuning in IDMC

COURSE SYLLABUS

14 Modules, 72 Topics

01

IDMC Architecture

TOPICS

- Explain IDMC Architecture
- New components in IDMC

02

Dynamic Mapping Task

TOPICS

- Overview of Dynamic Mapping Task
- Parameters in Dynamic Mapping Task
- Jobs and Job Groups
- Configuring a Dynamic Mapping Task
- Lab: Create a Dynamic Mapping Task

03

Macros

TOPICS

- Horizontal Macros
- Expression Macros
- Vertical Macros
- Lab: Use a Vertical Macro to Convert the Date Format in a Field
- Lab: Use a Vertical Macro to Remove Leading and Trailing Spaces
- Lab: Use a Horizontal Macro to Classify Company Performance

04

User Defined Functions

TOPICS

- Explain User Defined Functions
- Create, Edit and Delete UDFs
- Lab: Creating User Defined Functions

05

Transaction Control Transformation

TOPICS

- Explain the Transaction Control Transformation
- Guidelines for using the Transaction Control Transformation
- Lab: Using a Transaction Control Transformation in a Mapping
- Lab: Using a Transaction Control Transformation to Output to Multiple Output Files

06

Dynamic Schema Handling

TOPICS

- Explain Schema Change Handling
- Dynamic Schema Change Handling
- Limitations of Dynamic Schema Change Handling
- Schema Handling Options
- Lab: Handling Dynamic Schema Change in a Mapping

07

Advanced Taskflow Techniques with File Listener

TOPICS

- Discuss Advanced Taskflow Techniques
- Explain File Listeners
- Configure a File Listener
- Invoke a Taskflow through a File Listener
- Lab: Passing Values from Mapping to Mapping
- Lab: Using a File Listener as a Step
- Lab: Using a File Listener with a Timer

08

Dynamic Lookup Cache

TOPICS

- Discuss Dynamic Lookup Cache
- Field Mapping in Dynamic Lookup Cache
- Use case of Dynamic Lookup Cache
- Lab: Static vs. Dynamic Cache: Effects on Data Updates and Inserts

09

Data Ingestion and Replication

TOPICS

- Data Ingestion and Replication Task Overview
- Configuring a Data Ingestion and Replication Task
- Application Ingestion and Replication Task
- File Ingestion and Replication Task
- Database Ingestion and Replication Task
- Streaming Ingestion and Replication Task
- Demo: Create Database Ingestion and Replication Task
- Lab: Creating a Streaming Ingestion and Replication Task
- Lab: Creating a File Ingestion and Replication Task

10

Normalizer Transformation

TOPICS

- Explain the Normalizer Transformation
- Describe Normalized Fields
- Normalizer Field Mapping
- Lab: Using a Normalizer Transformation to Convert Repeating Mainframe Data into Relational Format with Aggregation and Ranking

11

Hierarchical Connectivity

TOPICS

- Hierarchical Schemas
- Hierarchy Parser Transformation
- Hierarchy Builder Transformation
- Velocity Transformation
- Lab: Using the Hierarchy Parser to Convert Hierarchical Input into Relational Output
- Lab: Using a Hierarchy Builder in a Mapping to Generate XML Output
- Lab: Using the Velocity Template

12

Intelligent Structure Model

TOPICS

- Intelligent Structure Model
- Intelligent Structure Discovery Process
- Intelligent Structure Example
- Refining a Discovered Structure
- Intelligent structure models based on MS Word file
- Using intelligent structure models in Structure Parser transformation
- Demo: Creating an Intelligent Structure Model
- Lab: Use a Structure Parser Transformation to parse data from a Table in a Document

13

SQL ELT Optimization

TOPICS

- SQL ELT optimization Overview
- Types of SQL ELT optimization
- SQL ELT optimization in Advanced mode
- Lab: Performing SQL ELT Optimization in IDMC

14

Mapping Partitioning

TOPICS

- Partitions Overview
- Types of Partitions
- Partitioning Rules and Guidelines
- Lab: Performing Partitioning

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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