



EdTeches – Online Education Platform

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Trainings Courses Offered:

Informatica IDMC - CDI, CAI, CMI, CDQ & CDGC

Informatica – PowerCenter & Data Quality

Informatica Cloud Data Integration Course Content

The Informatica CDI (Cloud Data Integration) course covers cloud-based data integration, including extracting, transforming, and loading data across various sources. Participants will learn to design and manage data pipelines, optimize performance, and ensure data quality and security. The course includes practical exercises, use cases, and preparation for certification exams. It also explores integration with other Informatica products for enhanced data management. Ideal for data engineers and IT professionals, it provides hands-on experience with Informatica's cloud tools.

Course Objectives

After successfully completing this course, students should be able to:

- Describe Informatica Cloud Architecture
- Use Cloud Mapping Designer to create mappings
- Use Lookup and Joiner transformations
- Create Mapplets and work with them
- Create parameters in a mapping
- Discuss Mapping tasks
- Create Taskflows
- Create Data Transfer task
- Discuss Dynamic Mapping tasks
- Create a Replication task
- Create Synchronization task
- Use IICS REST web services for DI

Support on Training:

- Register trail account of 90 days of Practice lab.
- Secure Agent and Lab Setup.
- Latest Informatica CDI Lab Guide will be provided for reference
- Guide for Informatica CDI Implementation & Professional Certificates

Course Agenda:

Module 1: Informatica Cloud Overview

- Informatica Intelligent Cloud Services (IICS) as an iPaaS solution
- Using IICS for ETL
- Informatica Cloud Architecture
- IICS Interface Walkthrough
- IICS Services and Navigating the IICS Interface

Module 2: Introduction to Data Integration Service

- Discuss Data Integration Service
- Work with Data Integration Service
- Lab: Installing Secure Agent and Setup
- Discuss CDI Assets and Components
- Lab: Creating Flat File Connections
- Lab: Creating Oracle Connections

Module 3: Basics of Cloud Mapping Designer

- Cloud Mapping Designer Overview
- Types of Mappings
- Mapping Designer Terminologies
- Mapping Templates
- Defining Data Flow Fun Order
- Field Rules
- Best Practices for Creating Mappings

Module 4: IICS Transformations

- Source and Target Transformation
- Filter Transformation
- Expression Transformation
- Aggregator Transformation
- Union Transformation
- Rank Transformation
- Sorter Transformation
- Router Transformation
- Lab: Using above listed Transformations in a Mapping

Module 5: Joiner and Lookup Transformations

- Joiner Transformation Overview
- Join Condition
- Join Type - Normal Join, Master outer, Detail Outer, Full Outer
- Lookup Transformation
- Lab: Using Lookup Transformation in a Mapping
- Lab: Using Expression Macro in a Mapping
- Lab: Using Vertical Macro in a Mapping
- Lab: Using Horizontal Macro in a Mapping

Module 6: Mapplets

- Mapplets Overview
- Active and Passive mapplet
- Mapplets Input and Output
- Parameters in mapplets
- PowerCenter mapplet
- Create mapplet in IICS/IDMC
- Mapplet Transformation
- Lab: Using Mapplet Transformation in a Mapping

Module 7: Mapping Parameterization

- What is Parameterization and Parameterization use case.
- Creating parameters in a mapping
- Using Parameters to a Mapping
- Parameter Types
- Using parameter files
- In-Out Parameter in Mapplet
- Parameter File Directory
- Parameter Best Practices
- Lab: Performing Complete Parameterization
- Lab: Using In-Out Parameters for Incremental Data Loading

Module 9: Synchronization Task

- Synchronization Task Overview
- Lab: Creating a Synchronization Task
- Lab: Using Filter, Expression, and Lookup

Module 11: Replication Task

- Replication Task Overview
- Replication Task Features
- Replication Task: Source and Target Options
- Lab: Replicating Data to a Flat File

Module 13: IICS REST APIs

- REST API overview
- Informatica Cloud REST API
- List of supported REST API Versions
- Using REST APIs
- Creating REST V2 Connector
- Web Service Transformation
- Lab: Creating a Mapping Using a REST V2 Connector
- Lab: Using Web Services Transformation in a Mapping
- Lab: Running a Mapping Task Using REST API
- Lab: Monitoring Tasks Using REST API

Module 8: Mapping Task

- Mapping Task overview
- Deploy mapping updates
- Simultaneous task runs
- Lab: Create a Mapping Task and Configure Advanced Settings

Module 10: Data Transfer Task

- Data Transfer Task Overview
- Lab: Creating a Data Transfer Task
- Lab: Using Filter, Sort, and Expression

Module 12: Taskflows

- Taskflow overview
- Taskflow and Linear Taskflow
- Sequential Tasks and Sequential Tasks with Decision
- Parallel Tasks and Parallel Tasks with Decision
- Single Task
- Parameters in Taskflow
- Error handling in Taskflows
- Lab: Creating Taskflow
- Lab: Creating a Taskflow with Conditional Logics