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Trainings Courses Offered:
Informatica IDMC - CDI, CAI, CMI, CDQ & CDGC
Informatica – PowerCenter & Data Quality

Informatica Cloud Application Integration Course Content

This course can be delivered through online instructor led format, which is comprised of 17 modules.

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

- Explain Informatica Intelligent Cloud Services (IICS) and Cloud Application Integration (CAI)
- Describe Processes and Guides
- Consume third-party applications and REST/SOAP services
- Establish error handling routines
- Expose developed assets as API endpoints
- Manage APIs

Course Content:

Module 1: Overview of Cloud Application Integration

- IICS Platform
- Cloud Application Integration
- CAI Features
- CAI Assets
- CAI Components
- Application Integration Console
- API Manager
- API Portal

Module 2: Understanding the Basics: Process Designer

- What is a Process?
- Process Designer Overview
- Create a Process
- Process Steps
- Actions on Process

Module 3: Create a Basic Process

- Display Static Message
- Display User Input
- Lab: Create a Basic Process to Display User Input

Module 4: Process Objects

- Design Process Objects
- Lab: Create Process Objects

Module 5: Service Connectors

- Connectors
- Types of Connectors
- Service Connectors
- Methods to Create a Service Connector
- Create a Service Connector Manually
- Create a Service Connector by importing a File
  - Create a Service Connector from WSDL
  - Create a Service Connector from Swagger JSON
  - Create a Service Connector from OpenAPI 3.0
- Download a Service Connector from GitHub
- Download a Service Connector from Informatica Marketplace
- Download a Service Connector from Informatica Administrator

- Steps to Create a Service Connector
- Lab: Create a Service Connector
- Lab: Create a Service Connector from WSDL
- Lab: Create and Test a Swagger File
- Lab: Create a Service Connector from a Swagger File

Module 6: Data Access Service Connectors
- Data Access Service Connectors Overview
- Create Data Access Service Connectors
- Lab: Create a Data Access Service Connector Using Form

Module 7: App Connections
- App Connection Overview
- JDBC Connection
- File Connection
- Amazon S3 Connection (Optional)
- Kafka Connection
- Salesforce Connection (Optional)
- Salesforce Platform Event Connection (Optional)
- RabbitMQ Connection
- File Transfer Protocol (FTP) Connection
- Salesforce Managed Package
- Creating a JDBC Connection
- An Example – Customer and Order Details Process
- Lab: Create an App Connection using Service Connector
- Lab: Create a JDBC Connection
- Lab: Create a Customer and Order Details Process
- Lab: Create a File Connection
- Lab: Create a Salesforce Connection
- Lab: Create a Kafka Connection

Module 8: Managing and Migrating Assets
- Assets Management
- Copying Assets
- Moving Assets
- Deleting Assets
- Renaming Assets
- Asset Dependencies
- Migrating Assets
- Conditions for Asset Migration
- Export Assets
- Import Assets
- Viewing Import and Export Logs
- Lab: Export an Asset

Module 9: Using XQuery in CAI
- What is XQuery?
- XQuery Basic Syntax Rules
- XQuery FLWOR Expression
- The for Clause
- if-then-else Expression
- Lists Functions in XQuery
- Commonly Used Functions in XQuery
- Lab: Create a Process Using Lists Function of XQuery

Module 10: Adding Web Services to a Process
- Web Services
- Simple Object Access Protocol (SOAP)
- SOAP Endpoint in Process Designer
- Representational State Transfer (REST)
- REST Endpoint in Process Designer
- Adding Web Service in a Process
- Asynchronous Web Service

- Synchronous Web Service
- Java Messaging Service
- Implementing Synchronous Web Service Call
- Implementing Asynchronous Web Service Call
- Lab: Invoke a Synchronous Web Service Call
- Lab: Invoke an Asynchronous Web Service Call

Module 11: Fault Handling

- Fault Handling Overview
- Need for Fault Handling
- Fault Handling Techniques
- Design Guidelines for Fault Handling
- Methods to Return a Fault from a Process
- View Process Detail
- Advanced View
- Advanced View Components
- Handle a Subprocess Failure (Example)
- Lab: Handle Sub-process Failures
- Lab: Handle Credential Failures

Module 12: Introduction to Guides Designer

- Guides
- Steps in Guide Design
- Guide Simulation
- Running a Guide
- Running a Guide Within Salesforce
- Setup Salesforce to View Guides
- Guide Theme
- Guide Images
- Lab: Create a simple guide

Module 13: Monitoring

- The Application Integration Console
- Server Configuration
- Deployed Assets
- Process Schedules
- Processes
- Process Server Health
- Process Metrics
- Connections
- Guides
- APIs
- Logs
- Lab: Create and Use URN Mapping
- Lab: Create a New Process Schedule
- Lab: Start and Stop an Event Source in a Listener-based Connection

Module 14: API Management

- API Manager
- API Manager Functionalities
- Create Managed API
- Delete Managed API
- Customize Managed API URL
- API Group
- API Policies
- API Analytics
- API Portal
- API Registry
- Authentication for Managed APIs
- Create Managed API for a Process
- Lab: API Manager

Module 15: CAI and CDI Integration

- Overview of IICS
- CDI Assets and Components
- Creating a Connection in CDI
- Flat File Connection
- Mapping
- Validate Mapping
- Run a Mapping
- Invoke a Mapping in CAI
- Lab: Create a Flat File connection
- Lab: Create a Basic Mapping and a Mapping Task
- Lab: Invoke a Mapping in CAI

Module 16: Troubleshooting, Tips & Tricks, Best Practices

- Managing Assets and Processes
- Common Issues and Troubleshooting

Module 17: CAI Live Project Walk-Through

- Walk-through the Order Management Project
- Lab: CAI Live Project- Order Management