

## IICS Cloud Application Integration Services For Developers

---

### Course Summary

#### Description

This course helps you gain the skills necessary to integrate applications and systems, implement business processes using process designer that can access data from on-premise as well as cloud, and expose them as composite APIs.

#### Objectives

At the end of this course, students will 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

#### Topics

- Overview of Cloud Application Integration
- Understanding the Basics: Process Designer
- Working with Assets
- Adding Web Services to a Process
- Fault Handling
- Introduction to Guides Designer
- API Management
- CAI and CDI Integration
- Troubleshooting, Tips & Tricks, Best Practices
- CAI Live Project Walk-Through

#### Audience

This course is designed for developers and end-users.

#### Prerequisites

There are no prerequisites for this course.

#### Duration

Three days

## IICS Cloud Application Integration Services For Developers

---

### Course Outline

#### *I. Overview of Cloud Application Integration*

- A. IICS Platform
- B. Cloud Application Integration
- C. Significance of Cloud Integration
- D. CAI Features
- E. CAI Assets
- F. CAI Components

#### *II. Understanding the Basics: Process Designer*

- A. Processes
- B. Process Designer
- C. Process Steps
- D. Process Execution
- E. Lab: Create a basic process to display user input

#### *III. Working with Assets*

- A. CAI assets
- B. Process Objects
- C. Connectors
- D. Service Connectors
- E. Connections
- F. File Connection
- G. Amazon S3 Connection
- H. Kafka Connection
- I. Salesforce Connection
- J. RabbitMQ Connection
- K. Lab: Create a Process Object
- L. Lab: Create a Service Connector
- M. Lab: Create a connection using a service connector
- N. Lab: Create a JDBC Connection
- O. Lab: Create a Customer and Order Details process
- P. Lab: Create a File Connection
- Q. Lab: Create a Salesforce Connection
- R. Lab: Create a Kafka Connection

#### *IV. Adding Web Services to a Process*

- A. REST-based Service Connectors
- B. Synchronous and Asynchronous Web Service Call Processes
- C. Lab: Invoke a Synchronous Web Service Call
- D. Lab: Invoke an Asynchronous Web Service Call

#### *V. Fault Handling*

- A. Fault handling
- B. Significance of fault handling
- C. Fault handling techniques
- D. Fault Triggers and methods to return a fault from a process
- E. Lab: Handling Sub-process Failures
- F. Lab: Handling Credential Failures

#### *VI. Introduction to Guides Designer*

- A. Salesforce Managed Package
- B. Guides Designer
- C. Guides Designer Steps
- D. Lab: Create and run a simple guide

#### *VII. API Management*

- A. API Manager
- B. API Registry
- C. API Groups
- D. API Portal
- E. Managed
- F. API
- G. Lab: API Manager

#### *VIII. CAI and CDI Integration*

- A. Overview of IICS
- B. Creating connections
- C. Lab: Create a Flat File connection
- D. Overview of Mapping Designer
- E. Lab: Create a basic mapping using the flat file connection
- F. Invoke a mapping in CAI
- G. Lab: Invoke a mapping in CAI

#### *IX. Troubleshooting, Tips & Tricks, Best Practices*

- A. Assets and Processes Management
- B. Common Issues
- C. Troubleshooting Methods

#### *X. CAI Live Project Walk-Through*

- A. Lab: CAI Live Project- Order Management