

SAP CPI – SAP Cloud Platform Integration

Course Duration: 40 Hours

Course Code: SAP CPI

1. Course Overview

The **SAP Cloud Platform Integration (CPI)** course is designed to help learners understand and implement integration scenarios across cloud and on-premise SAP and non-SAP systems. Participants will gain hands-on experience with **SAP Integration Suite**, learning how to design, configure, and monitor integration flows (iFlows) while ensuring secure and reliable data exchange.

This course equips professionals with the skills to support hybrid landscapes, API-based communication, and enterprise-grade integration requirements in today's digital ecosystem.

2. What You'll Learn

- Introduction to **SAP Integration Suite** and SAP CPI architecture.
- Creating and managing integration flows (iFlows).
- Configuring connectivity between SAP and non-SAP applications.
- Using pre-packaged integration content from the SAP API Business Hub.
- Working with **adapters** (OData, SOAP, REST, IDoc, SFTP, etc.).
- Handling data transformations and message mappings.
- Monitoring, error handling, and troubleshooting integration flows.
- Best practices for secure and scalable cloud integrations.

3. Target Audience

- Integration consultants.
- SAP functional & technical consultants.
- Developers working on SAP S/4HANA, SAP SuccessFactors, Ariba, or C/4HANA integrations.
- IT administrators managing SAP cloud landscapes.

4. Pre-Requisites

- Basic knowledge of **SAP ERP/SAP S/4HANA**.
- Familiarity with integration concepts (IDoc, RFC, APIs, web services).
- Understanding of XML, JSON, or related data formats is an advantage.

5. Course Content (Modules)

Module 1: Introduction to SAP Integration Suite and CPI

Module 2: Designing and Configuring Integration Flows

Module 3: Connectivity and Adapters (OData, SOAP, REST, SFTP, IDoc)

Module 4: Message Transformation and Data Mapping

Module 5: Using Pre-Packaged Content from SAP API Business Hub

Module 6: Monitoring and Error Handling in CPI

Module 7: Security, Authentication, and Certificates in CPI

Module 8: Best Practices for Cloud Integrations

Module 9: Hands-On Labs and Real-World Scenarios