Module 1: Introduction to SAP Integration Suite

- Overview of SAP BTP (Business Technology Platform)

- Introduction to SAP Integration Suite

- Key Features and Capabilities

- Use Cases and Business Scenarios

- Comparing SAP Integration Suite with SAP PI/PO

Module 2: Setting Up SAP Integration Suite

- SAP BTP Cockpit Overview

- Subscriptions and Entitlements

- Configuring Subaccounts, Spaces, and Environments

- Connecting to SAP and Non-SAP Systems

- User Roles and Security Configuration

Module 3: Cloud Integration – Developing iFlows

- Introduction to Cloud Integration (CPI)

- Building and Deploying Integration Flows (iFlows)

- Message Processing and Data Transformation

- Handling Different Data Formats (XML, JSON, CSV, etc.)

- Using Connectors (SOAP, OData, HTTP, SFTP, IDOC, RFC)

- Managing APIs and Web Services

Module 4: Message Mapping & Data Transformation

- Graphical Mapping, XSLT Mapping, and Java Mapping

- Expression-Based Mapping and Functions

- Content Modifier and Message Routing

- Enriching and Splitting Messages

- Error Handling and Exception Handling

Module 5: API Management

- Introduction to API Management in SAP Integration Suite

- Creating, Securing, and Managing APIs

- Policies and Rate Limiting

- API Gateway and Developer Portal

- Monitoring API Performance

Module 6: Event-Driven Integration

- Event Mesh Overview

- Event-Driven Architecture in SAP

- Configuring Event-Based Communication

- Asynchronous Processing

Module 7: B2B and EDI Integration

- Overview of B2B Scenarios

- Handling EDI Documents (EDIFACT, ANSI X12)

- Working with AS2 and OFTP Adapters

- Mapping EDI Data

Module 8: Security & Authentication

- OAuth, SAML, and JWT Authentication

- Secure Communication using Certificates

- Handling Authorization and Access Control

Module 9: Monitoring and Troubleshooting

- Monitoring iFlows and Message Logs

- Debugging and Troubleshooting Integration Flows

- Alerts and Notifications

- Performance Optimization

Module 10: Hybrid Integration & Extensions

- Integrating SAP Integration Suite with SAP PI/PO

- On-Premise and Cloud Hybrid Integration Scenarios

- Custom Adapters and Extensions

Module 11: Hands-on Projects

- End-to-End Integration Scenarios

- Real-Time Business Use Cases

- Best Practices and Optimization Techniques