



IBM TRAINING

Ibm Cloud Pak For Integration Course

Master IBM Cloud Pak for Integration to build robust hybrid integration solutions. Learn to deploy and manage enterprise applications effectively.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This comprehensive IBM Cloud Pak for Integration course equips IT professionals with the essential skills to design, deploy, and manage robust integration solutions across hybrid cloud environments. You will gain deep expertise in leveraging IBM's unified integration platform, which brings together a powerful suite of capabilities including API management, application integration, messaging, event streaming, and high-speed data transfer. The course emphasizes practical application, guiding you through real-world scenarios to integrate disparate systems and applications, accelerate digital transformation initiatives, and unlock greater agility for your organization.

By completing this course, participants will be able to master the core components of IBM Cloud Pak for Integration running on Red Hat OpenShift Container Platform. This includes hands-on experience with IBM API Connect for secure API lifecycle management, IBM App Connect for enterprise application integration, IBM MQ for reliable messaging, IBM Event Streams for real-time event processing, and IBM DataPower Gateway for advanced security and mediation. The professional benefits extend to enhanced problem-solving capabilities in complex integration landscapes, positioning you as a key asset in any organization pursuing a modern, agile integration strategy and hybrid cloud adoption.

Level	Intermediate
Vendor	IBM

COURSE CURRICULUM

01 Module 1: Introduction to IBM Cloud Pak for Integration & Hybrid Cloud

- Understanding the Hybrid Cloud Integration Landscape
- Overview of IBM Cloud Pak for Integration (CP4I) Value Proposition
- CP4I Architecture and Key Components
- Red Hat OpenShift Container Platform Fundamentals for CP4I
- Deployment Models and Considerations for CP4I on OpenShift

02 Module 2: API Management with IBM API Connect

- Introduction to the API Economy and IBM API Connect
- Designing, Developing, and Securing APIs with API Connect
- Implementing API Policies, Governance, and Lifecycle Management
- Utilizing the API Developer Portal and Analytics
- Deploying and Managing API Connect Instances within CP4I

03 Module 3: Application & Data Integration with IBM App Connect

- Fundamentals of Enterprise Application Integration Patterns
- Using IBM App Connect Designer for Low-Code/No-Code Integrations
- Developing Advanced Integration Flows with App Connect Enterprise (ACE)
- Connecting to Diverse Applications, SaaS, and Databases
- Deploying and Monitoring App Connect Integrations within CP4I

04 Module 4: Messaging & Event Streaming with IBM MQ and Event Streams

- Core Concepts of Enterprise Messaging with IBM MQ
- Designing and Implementing Reliable Asynchronous Messaging Solutions
- Introduction to Event-Driven Architectures (EDA)
- IBM Event Streams (Apache Kafka) for Real-time Data Processing
- Producing, Consuming, and Managing Events in a CP4I Environment

Module 5: Advanced Integration Patterns and Security with IBM DataPower Gateway

- 05**
- Introduction to IBM DataPower Gateway Capabilities for Integration
 - Implementing API Security, Threat Protection, and Protocol Bridging
 - Data Transformation and Content-Based Routing with DataPower
 - Service Mesh and Microservices Integration Considerations
 - Monitoring and Troubleshooting DataPower in CP4I Deployments
- 06** **Module 6: Operations, Observability, and Best Practices for CP4I**
- Monitoring CP4I Deployments with IBM Cloud Pak for Multicloud Management
 - Implementing Centralized Logging and Tracing for Integration Solutions
 - High Availability, Disaster Recovery, and Backup Strategies for CP4I
 - DevOps and CI/CD Pipelines for Integration Artifacts
 - Best Practices for Building Resilient and Scalable Integration Solutions

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Hybrid Cloud Integration Architect**
- > **Enterprise Application Integration Specialist**
- > **API Management Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for enrolling in the IBM Cloud Pak for Integration Course?

Ideal participants should possess a foundational understanding of enterprise integration concepts, basic knowledge of Linux command-line operations, familiarity with containerization technologies like Docker and Kubernetes (or OpenShift), and experience with at least one programming language (e.g., Java, Node.js) or existing integration platform. While not strictly required, prior exposure to IBM integration products such as WebSphere MQ or IBM API Connect will be beneficial.

Q: How does this course specifically prepare me for designing and implementing integration solutions in a hybrid cloud environment?

This course is intensely practical, focusing on hands-on labs and scenario-based learning within a Red Hat OpenShift environment. You will gain direct experience deploying, configuring, and managing integration runtimes across public and private clouds using IBM Cloud Pak for Integration. You'll learn to tackle challenges like securely exposing APIs, integrating diverse enterprise applications (both cloud-native and on-premise), establishing reliable message queues, and implementing real-time event streaming to build robust hybrid integration architectures.

Q: What specific components of IBM Cloud Pak for Integration will I gain proficiency in, and how do these skills enhance my career prospects?

You will gain proficiency in critical components such as IBM API Connect for comprehensive API lifecycle management, IBM App Connect for rapid application and data integration, IBM MQ for robust and secure messaging, IBM Event Streams for scalable event-driven architectures, and IBM DataPower Gateway for advanced security and mediation. Mastering these components will position you as a highly versatile integration specialist, capable of leading digital transformation initiatives, optimizing IT landscapes, and building resilient, scalable integration platforms critical for modern enterprises.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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