



IBM TRAINING

# Ibm Api Connect Online

*Master IBM API Connect to design, secure, and manage APIs effectively. Learn to build robust API solutions for modern applications.*

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DURATION

**Flexible**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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## COURSE OVERVIEW

This comprehensive online course on IBM API Connect is designed for IT professionals looking to master the full API lifecycle, from design and development to security, management, and monetization. IBM API Connect is a robust, unified platform that helps organizations create, run, manage, and secure APIs, which are critical for digital transformation, microservices architectures, and partner integration strategies. You will gain hands-on experience with API creation using OpenAPI specifications, policy enforcement for security and traffic management, and the crucial aspects of API publishing and catalog management.

Participants will delve into the advanced capabilities of API Connect, including developer portal customization, analytics for API usage insights, and effective API deprecation strategies. The course emphasizes best practices for securing APIs with OAuth and other authentication mechanisms, ensuring data integrity and compliance. By the end of this training, you will be equipped with the practical skills to implement and manage a scalable API program, fostering innovation and enabling seamless data exchange within your enterprise and with external partners, ultimately driving business value through a well-managed API ecosystem.

|        |              |
|--------|--------------|
| Level  | Intermediate |
| Vendor | IBM          |

## COURSE CURRICULUM

### 01 Module 1: Introduction to IBM API Connect and API Fundamentals

- Understanding APIs and their business value
- Overview of the IBM API Connect platform components
- Introduction to RESTful APIs and OpenAPI Specification (Swagger)
- API lifecycle management concepts
- Setting up your IBM API Connect development environment

### 02 Module 2: Designing and Developing APIs

- Designing APIs using the API Manager
- Defining API paths, operations, and parameters
- Implementing data models and schemas (JSON Schema)
- Creating and configuring API proxies
- Developing custom policies and extensions

### 03 Module 3: Securing and Managing APIs

- API security fundamentals (OAuth, API Keys, JWT)
- Applying security definitions and policies in API Connect
- Rate limiting, burst limiting, and traffic management
- Versioning and deprecating APIs
- Monitoring API performance and health

### 04 Module 4: Publishing, Consuming, and Monetizing APIs

- Creating and managing API Catalogs and Spaces
- Publishing APIs to the Developer Portal
- Customizing the Developer Portal for branding and usability
- Onboarding and managing API Consumers (Developers)
- Introduction to API analytics and reporting
- Exploring API monetization strategies

## 05 Module 5: Advanced API Connect Features and Deployment

- Integrating API Connect with backend services
- Deployment strategies for API Connect (on-premises, cloud, hybrid)
- Troubleshooting and debugging APIs
- Best practices for API governance and lifecycle automation
- Introduction to microservices patterns with API Connect

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **API Developer / Architect**
- > **API Product Manager**
- > **Integration Specialist / Consultant**

## FREQUENTLY ASKED QUESTIONS

### Q: What are the specific prerequisites for enrolling in the IBM API Connect Online course?

This course is designed for intermediate-level IT professionals. Participants should have a foundational understanding of web services concepts, RESTful APIs, JSON, and basic knowledge of network protocols (HTTP/HTTPS). Prior experience with JavaScript or Node.js development, while not strictly required, will be beneficial for understanding certain API development concepts.

### Q: How will mastering IBM API Connect directly impact my career as an API Developer or Architect?

Mastering IBM API Connect will significantly enhance your capabilities as an API Developer or Architect by providing expertise in a leading industry platform for API management. You'll gain practical skills in designing robust, secure, and scalable APIs, managing their entire lifecycle, and integrating them effectively within complex enterprise architectures. This proficiency will make you invaluable in organizations adopting microservices, digital transformation initiatives, or expanding their API economy, opening doors to advanced roles and leadership opportunities in API strategy and implementation.

### Q: Beyond technical skills, what kind of strategic understanding of API programs will I gain from this course?

Beyond the technical implementation, this course provides a strategic understanding of how API Connect supports a successful API program. You will learn about API governance, versioning strategies, effective developer onboarding through the Developer Portal, and the importance of analytics for API adoption and performance. This holistic view will enable you to contribute not just to the technical execution but also to the strategic planning and evolution of your organization's API landscape, aligning API initiatives with broader business goals like digital innovation and partner ecosystems.

## 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.

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**READY TO ENROL?**

Take the next step in your technology career.

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