



IBM TRAINING

# Ibm App Connect Enterprise Course

*Master IBM App Connect Enterprise to integrate applications, services, and data seamlessly. Build powerful integration solutions for your business.*

DURATION

**Flexible**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

- 
- Globally Recognized Certification
  - Expert-Led Hands-On Training
  - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This intermediate-level IBM App Connect Enterprise (ACE) course from Computer Pride is meticulously designed to equip IT professionals with the essential skills to build robust, scalable, and intelligent integration solutions. IBM ACE stands as a premier enterprise service bus (ESB) platform, empowering organizations to seamlessly connect disparate applications, data sources, and services across various environments, including cloud, on-premises, and hybrid infrastructures. Participants will gain hands-on experience in developing, deploying, and managing complex integration flows, mastering the art of data transformation, message routing, and protocol mediation.

Throughout this course, you will delve into core technologies such as ESQL (Extended Structured Query Language), message flow nodes, adapters for various systems (databases, SaaS applications, ERPs), and modern API development with REST and SOAP. The professional benefits are immense, enabling you to play a pivotal role in digital transformation initiatives by creating real-time data synchronization, automating business processes, and enhancing application interoperability. By mastering IBM ACE, you will significantly contribute to improving operational efficiency, accelerating time-to-market for new services, and ensuring a cohesive enterprise architecture.

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

## COURSE CURRICULUM

### 01 Module 1: Introduction to IBM App Connect Enterprise

- Understanding Integration Concepts and Challenges
- Overview of IBM App Connect Enterprise Architecture
- Key Components: Integration Servers, Message Flows, Nodes
- Setting up the ACE Development Environment (Toolkit)
- Basic Message Flow Creation and Deployment

### 02 Module 2: Developing Message Flows with ESQL

- Introduction to Message Flow Nodes and Patterns
- Working with Input, Output, Compute, and Database Nodes
- Mastering ESQL for Message Transformation and Routing
- Data Mapping and Schema Validation
- Handling Different Message Domains (XML, JSON, DFDL)

### 03 Module 3: Connectivity and Adapters

- Connecting to Databases (JDBC Connectivity)
- Integrating with Files and File Systems
- Developing RESTful APIs with HTTP Nodes
- Consuming and Exposing SOAP Web Services
- Introduction to Connectors for SaaS Applications

### 04 Module 4: Error Handling, Monitoring, and Security

- Implementing Robust Error Handling in Message Flows
- Logging and Trace Facilities in ACE
- Monitoring Integration Server Activity and Performance
- Securing Message Flows and APIs (Basic Authentication, SSL)
- Exception Handling and Backout Queues

## 05 Module 5: Deployment and Administration

- Packaging and Deploying Integration Solutions (.bar files)
- Administering Integration Servers (web UI, mqsi commands)
- Configurable Services for Dynamic Configuration
- Best Practices for Performance Tuning
- Introduction to Continuous Integration/Continuous Delivery (CI/CD) with ACE

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **IBM Integration Developer**
- > **Enterprise Application Integration (EAI) Consultant**
- > **Middleware Engineer specializing in IBM ACE**

## FREQUENTLY ASKED QUESTIONS

### Q: What are the recommended prerequisites for enrolling in the IBM App Connect Enterprise Course?

Participants should possess a foundational understanding of programming concepts, ideally with some experience in a language like Java or basic scripting. Familiarity with XML, JSON, and database concepts (SQL) will be beneficial. While not strictly required, prior exposure to enterprise integration principles or messaging systems like MQ will enhance the learning experience.

### Q: How will this course specifically help me develop real-world integration solutions using IBM ACE?

This course is highly practical, emphasizing hands-on labs where you will design, build, test, and deploy various integration patterns. You'll work on scenarios like connecting a legacy system to a modern web application, transforming data between different formats, and creating robust APIs. The curriculum covers best practices, error handling, and performance tuning, ensuring you gain the skills to tackle complex enterprise integration challenges effectively post-course.

### Q: Does this IBM App Connect Enterprise course prepare me for any official IBM certifications?

While this course is not a direct certification exam preparation, the comprehensive curriculum is aligned with the core competencies required for the 'IBM Certified Solution Developer – App Connect Enterprise' certification. The in-depth knowledge and practical skills gained will provide a strong foundation, making you well-prepared to pursue the official IBM certification independently after completing the course.

## 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.

Location

1st Flr, ICEA Building  
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

---

[www.computer-pride.co.ke](http://www.computer-pride.co.ke)