



IBM TRAINING

Ibm Cloud

Master IBM Cloud platform features to build and manage scalable, secure cloud solutions.

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

COURSE OVERVIEW

Dive deep into the expansive capabilities of IBM Cloud with this intermediate-level course, designed for IT professionals seeking to master cloud infrastructure and application deployment on IBM's robust platform. This program thoroughly covers essential IBM Cloud services, from core compute, networking, and storage solutions to advanced services like serverless computing, container orchestration with Kubernetes, and artificial intelligence integration. You will gain hands-on experience with IBM Cloud's Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS) offerings, understanding how to effectively provision resources, manage data, and secure your cloud environments.

This course emphasizes practical application, enabling you to design, deploy, and manage scalable and resilient cloud solutions. You'll explore key technologies such as virtual servers, IBM Cloud Kubernetes Service, Cloud Object Storage, various database services, and how to leverage IBM Watson AI services. The professional benefits are significant: equipping you with in-demand skills to build and maintain modern cloud applications, optimize cloud costs, and implement best practices for security and compliance, making you a valuable asset in any organization leveraging hybrid cloud strategies.

Level	Intermediate
Vendor	IBM

COURSE CURRICULUM

01 Module 1: Introduction to IBM Cloud and Core Concepts

- Understanding Cloud Computing Models (IaaS, PaaS, SaaS)
- Navigating the IBM Cloud Platform and Console
- IBM Cloud Regions, Availability Zones, and Resource Groups
- Introduction to Identity and Access Management (IAM)

02 Module 2: Compute and Network Services

- Provisioning and Managing Virtual Servers (Classic & VPC)
- Introduction to IBM Cloud Kubernetes Service (IKS)
- Deploying Applications with Red Hat OpenShift on IBM Cloud
- Configuring Virtual Private Clouds (VPC) and Networking Essentials
- Load Balancing and Content Delivery Networks (CDNs)

03 Module 3: Storage and Database Services

- Utilizing IBM Cloud Object Storage for Scalable Data
- Managing Block and File Storage Solutions
- Working with IBM Cloud Databases (Db2, PostgreSQL, MongoDB, Cloudant)
- Data Encryption and Security for Storage

04 Module 4: Serverless, API Management, and DevOps

- Developing Serverless Applications with IBM Cloud Functions
- Implementing API Connect for API Management
- Introduction to Continuous Integration/Continuous Delivery (CI/CD) on IBM Cloud
- Monitoring and Logging Services (Log Analysis, Monitoring)

05 Module 5: AI, Machine Learning, and Data Analytics

- Leveraging IBM Watson Services (e.g., Assistant, Discovery, Natural Language Classifier)

- Introduction to IBM Cloud Pak for Data
- Building and Deploying Machine Learning Models on IBM Cloud
- Data Warehousing and Analytics with IBM Cloud Databases

06 Module 6: Security, Compliance, and Cost Management

- Advanced IBM Cloud IAM Policies and Best Practices
- Implementing Security Groups and Network ACLs
- Monitoring Security Events with IBM Cloud Security Advisor
- Understanding IBM Cloud Billing and Cost Optimization Strategies
- Disaster Recovery and High Availability Architectures

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **IBM Cloud Administrator**
- > **IBM Cloud Solutions Architect**
- > **Cloud-Native Application Developer (on IBM Cloud)**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this IBM Cloud course?

This intermediate IBM Cloud course assumes a foundational understanding of cloud computing concepts and basic networking principles. While prior experience with IBM Cloud isn't strictly necessary, familiarity with general IT infrastructure, command-line interfaces, and potentially some programming basics will be beneficial to fully grasp the advanced topics covered.

Q: How will this course help me build practical cloud solutions, and what specific tools will I become proficient in?

This course is heavily hands-on. You will gain practical skills in provisioning and managing virtual machines, deploying containerized applications with IBM Cloud Kubernetes Service and OpenShift, utilizing Cloud Object Storage, and interacting with various IBM Cloud database services. You'll also learn to integrate IBM Watson AI services and implement serverless functions, enabling you to build complete, scalable cloud-native applications and infrastructure.

Q: What distinguishes learning IBM Cloud compared to other major cloud platforms, and how does this course highlight those unique aspects?

IBM Cloud uniquely leverages its enterprise heritage, strong hybrid cloud capabilities, and deep integration with Red Hat OpenShift, making it ideal for organizations seeking robust enterprise-grade solutions. This course emphasizes IBM's strengths in hybrid cloud architectures, AI services through Watson, and its commitment to open standards, providing you with expertise specifically valuable in environments where these characteristics are prioritized, often seen in large enterprises and regulated industries.

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