IBM TRAINING

Ibm Certified Architect Cloud Solutions

Design robust IBM Cloud solutions and achieve your IBM Certified Architect credential.

DURATION
Flexible

LEVEL
Intermediate

FORMAT
Instructor-Led

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

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COURSE OVERVIEW

The IBM Certified Architect Cloud Solutions course is meticulously designed for IT professionals aiming to master the intricacies of designing and implementing robust, scalable, and secure cloud solutions on the IBM Cloud platform. This certification delves deep into architectural best practices, guiding participants through the entire lifecycle of cloud solution development, from initial concept to deployment and ongoing management. You'll gain a comprehensive understanding of core IBM Cloud services, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) offerings, alongside critical components like containerization with Kubernetes and Red Hat OpenShift, serverless computing, and advanced networking configurations. This advanced training emphasizes practical application, equipping you with the skills to architect solutions that meet diverse business requirements, optimize performance, and ensure compliance with industry standards. You will learn to integrate security measures, implement disaster recovery strategies, and leverage DevOps principles for continuous integration and delivery within a cloud environment. Achieving the IBM Certified Architect Cloud Solutions certification validates your expertise in leveraging IBM's powerful cloud ecosystem to drive digital transformation, making you an invaluable asset in any organization seeking to harness the full potential of cloud technology.

Level	Intermediate
Vendor	IBM

COURSE CURRICULUM

01 Module 1: Foundations of IBM Cloud Architecture

- Cloud Computing Principles and Models
- Introduction to IBM Cloud Ecosystem
- IBM Cloud Regions, Availability Zones, and Global Presence
- Core IBM Cloud Services Overview (IaaS, PaaS, Serverless)
- Architectural Patterns for Cloud Deployment

02 Module 2: Designing Highly Available & Scalable Solutions

- Compute Services: IBM Cloud Virtual Servers, Bare Metal, and Kubernetes Service
- Storage Solutions: Block, File, Object Storage (Cloud Object Storage)
- Networking: VPCs, VPNs, Direct Link, Load Balancers, CDN
- High Availability and Disaster Recovery Strategies
- Performance Optimization Techniques

03 Module 3: Data Management & AI Services on IBM Cloud

- Database Services: SQL (Db2), NoSQL (Cloudant), Data Warehousing
- Data Integration and Analytics Architectures
- Introduction to IBM Watson AI Services for Cloud Solutions
- Data Security and Compliance in Cloud Databases

04 Module 4: Security, Governance & Compliance in IBM Cloud

- IBM Cloud Identity and Access Management (IAM)
- Network Security Architectures (Firewalls, Security Groups)
- Data Encryption at Rest and In Transit
- Compliance Frameworks (e.g., GDPR, HIPAA) on IBM Cloud
- Monitoring, Logging, and Auditing Cloud Environments (Log Analysis, Monitoring)

Module 5: Modern Application Development & DevOps

05
- Containerization with IBM Cloud Kubernetes Service and OpenShift
- Serverless Computing with IBM Cloud Functions
- API Management and Integration
- DevOps Pipelines and Automation with IBM Cloud Continuous Delivery
- Microservices Architecture Design Patterns

06
Module 6: Hybrid Cloud Integration & Management
- Strategies for Hybrid Cloud Deployment with IBM Cloud
- Connecting On-Premises to IBM Cloud
- Managing Multi-Cloud Environments with IBM Cloud Satellite
- Cost Management and Optimization in IBM Cloud
- Migration Strategies to IBM Cloud

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

> **IBM Cloud Solutions Architect**

> **Enterprise Hybrid Cloud Consultant**

> **Cloud Modernization Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for undertaking the IBM Certified Architect Cloud Solutions course?

This course is designed for IT professionals with a foundational understanding of cloud computing concepts, including IaaS, PaaS, and SaaS, along with practical experience in designing or implementing IT solutions. While not strictly mandatory, prior exposure to IBM Cloud services or general cloud architecture principles will significantly enhance your learning experience and ability to grasp advanced topics.

Q: How does this certification specifically prepare me to design solutions for complex enterprise environments leveraging IBM Cloud?

The IBM Certified Architect Cloud Solutions course goes beyond theoretical knowledge, focusing on real-world enterprise scenarios. You will learn to design secure, scalable, and highly available architectures using a broad spectrum of IBM Cloud services, addressing challenges like data integration, hybrid cloud deployments, and regulatory compliance. The curriculum emphasizes practical application, preparing you to tackle complex architectural decisions for large-scale business transformations on the IBM platform.

Q: What specific architectural design patterns and best practices are emphasized in this IBM Cloud Solutions Architect certification?

This certification emphasizes core architectural design patterns crucial for cloud environments, including microservices, serverless computing, event-driven architectures, and containerization using Kubernetes and OpenShift. You will also learn IBM Cloud-specific best practices for security, network segmentation, data management, cost optimization, and leveraging IBM's AI capabilities (Watson services) to build intelligent cloud solutions. The focus is on building resilient, performant, and future-proof architectures.

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+	10,000+	50+
Years of Excellence	Professionals Trained	Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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