

## **IBM Cloud Certified Professional Architect**

### **Module 1: Introduction to the Cloud Architect Role**

**Lesson 1:** Introduction to the Cloud Architect Role

### **Module 2: Compute Options**

**Lesson 1:** VPC on IBM Cloud

**Lesson 2:** Architectural Overview: IBM Cloud Container Platforms

**Lesson 3:** Architectural Overview: IBM Power System Virtual Servers

**Lesson 4:** Architectural Overview: IBM Cloud for VMware Solutions

**Lesson 5:** Capabilities of Serverless and FaaS on IBM Cloud

### **Module 3: Designing Cloud Solutions**

**Lesson 1:** Service Models and Availability Models

**Lesson 2:** Automation for the Application Platform using IBM Cloud Schematics

**Lesson 3:** Integrate Watson AI Services to Add AI Capabilities to IBM Cloud Solutions

**Lesson 4:** Cloud Application Integration Architecture in IBM Cloud Solutions

### **Module 4: Data Analytics and Data Management**

**Lesson 1:** Capabilities of Analytics Services on IBM Cloud

**Lesson 2:** Capabilities of Database Services on IBM Cloud

### **Module 5: Cloud Storage**

**Lesson 1:** File Storage Capabilities and Options on IBM Cloud

**Lesson 2:** Block Storage Capabilities and Options on IBM Cloud

**Lesson 3:** Object Storage Capabilities and Options on IBM Cloud

### **Module 6: Networking and Security**

**Lesson 1:** Hybrid Cloud Networking Capabilities

**Lesson 2:** Cloud Native Connectivity Options

**Lesson 3:** Virtual Private Cloud Connectivity

**Lesson 4:** Capabilities of Cloud Internet Services

**Lesson 5:** Architecture Considerations for IBM Cloud Security

**Lesson 6:** IBM Cloud Encryption and Key Management Services

**Module 7: Observability and Resiliency**

**Lesson 1:** Planning and building Disaster Recovery Solutions

**Lesson 2:** Monitoring and Alerting Capabilities of IBM Cloud Monitoring

**Lesson 3:** Logging Capabilities of IBM Log Analysis

**Module 8: Virtual Labs**

**Lesson 1:** Professional Architect Labs