

IBM Cloud Advanced Architect



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Online Course

IBM Cloud Advanced Architect

Course Modules

- 1. Design Secure Solutions from the ground up**
 - Apply the IBM Cloud security best practices
 - Apply the IBM Cloud shared responsibility model
 - Use IBM Cloud security services
 - Build & design solns that take advantage of multiple security srvc
- 2. Strategies for maintng. response time, throughput & cost targets**
 - Utilize logging & monitoring to trigger auto-scaling & deploymnt
 - Build and design solutions that scale elastically for performance
 - Optimize solution performance using geolocation
- 3. Designing solutions for ease of operations and automation**
 - Describe security and compliance goals
 - Design solutions for observability
 - Solutions that take advantage of immutable cloud infrastructure
 - Centralized logging & monitoring for hybrid multicloud envrnmnt



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4. Design solutions that survive outages & can perform auto-healing

- Design resilient solutions using availability zones and regions
- Recovery Time Objective (RTO) & Recovery Point Objective (RPO)
- Design resilient solns using technologies with inherent resiliency
- Design solutions that can survive the outage of a node, region, ..

5. Solns usg IBM Cloud srvcs that apply various architectural patterns

- Design application architecture
- Select the right compute options per the functional requirements
- Design solutions for storing and analyzing data

6. Design hybrid multicloud platform architectures

- Design solutions for portability
- Apply network design considerations
- Design solutions for data residency
- Design environments for multicloud deployments

7. Cloud migration and modernization

- Matching customer requirements with migration use cases to IBM
- Migration solution to migrate complex workloads to VMs/VSIs
- Migration solution to transform & migrate complex workloads
- Design migration solution to migrate data to DBaaS on IBM cloud

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in terms of time management,
flexibility, and the ability
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