



IBM C1000-176

IBM Cloud Advanced Architect Certification Questions & Answers

Exam Summary – Syllabus – Questions

C1000-176

[IBM Certified Advanced Architect - Cloud v2](#)

60 Questions Exam – 62% Cut Score – Duration of 90 minutes

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Know Your C1000-176 Certification Well:

The C1000-176 is best suitable for candidates who want to gain knowledge in the IBM Cloud - Cloud Solutions. Before you start your C1000-176 preparation you may struggle to get all the crucial Cloud Advanced Architect materials like C1000-176 syllabus, sample questions, study guide.

But don't worry the C1000-176 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the C1000-176 syllabus?
- How many questions are there in the C1000-176 exam?
- Which Practice test would help me to pass the C1000-176 exam at the first attempt?

Passing the C1000-176 exam makes you IBM Certified Advanced Architect - Cloud v2. Having the Cloud Advanced Architect certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

IBM C1000-176 Cloud Advanced Architect Certification Details:

Exam Name	IBM Certified Advanced Architect - Cloud v2
Exam Code	C1000-176
Exam Price	\$200 (USD)
Duration	90 mins
Number of Questions	60
Passing Score	62%
Books / Training	IBM Cloud Advanced Architect 2024
Schedule Exam	Pearson VUE
Sample Questions	IBM Cloud Advanced Architect Sample Questions
Practice Exam	IBM C1000-176 Certification Practice Exam

C1000-176 Syllabus:

Topic	Details	Weights
Design Secure Solutions from the ground up	<ul style="list-style-type: none"> - Apply the IBM Cloud security best practices - Apply the IBM Cloud shared responsibility model - Use IBM Cloud security services - Build and design solutions that take advantage of multiple security service 	17%
Strategies for maintaining response time, throughput, and cost targets on IBM Cloud	<ul style="list-style-type: none"> - Utilize logging and monitoring to trigger auto-scaling and deployment of services - Build and design solutions that scale elastically for performance and cost efficiency or take advantage of reserved instances - Optimize solution performance using geolocation 	12%
Designing solutions for ease of operations and automation	<ul style="list-style-type: none"> - Describe security and compliance goals - Design solutions for observability - Design solutions that take advantage of immutable cloud infrastructure software defined environments - Centralized logging and monitoring for hybrid multicloud environments 	15%
Design solutions that survive outages and can perform auto-healing	<ul style="list-style-type: none"> - Design resilient solutions using availability zones and regions - Design per Recovery Time Objective (RTO) and Recovery Point Objective (RPO) requirements - Design resilient solutions using technologies with inherent resiliency - Design solutions that can survive the outage of a node, region, zone, metro, or cloud provider 	18%
Design solutions using IBM Cloud services that apply various architectural patterns to satisfy requirements	<ul style="list-style-type: none"> - Design application architecture - Select the right compute options per the functional requirements on IBM Cloud - Design solutions for storing and analyzing data 	10%
Design hybrid multicloud platform architectures	<ul style="list-style-type: none"> - Design solutions for portability - Apply network design considerations - Design solutions for data residency - Design environments for multicloud deployments 	13%

Topic	Details	Weights
Cloud migration and modernization	<ul style="list-style-type: none"> - Matching customer requirements with migration use cases to IBM cloud - Design migration solution to migrate complex workloads to VMs/VSIs on IBM cloud - Design migration solution to transform and migrate complex workloads to containers on IBM cloud - Design migration solution to migrate data to DBaaS on IBM cloud 	15%

IBM C1000-176 Sample Questions:

Question: 1

A novice team is developing their first e-commerce application that will run in a Red Hat Openshift cluster in IBM Cloud. They built a single microservice to handle two distinct functionalities: inventory operations and payment processing.

What is the best advice that you could give to the team to improve the scalability, security, and resiliency of their application?

- a) Separate the functionalities into two distinct microservices. Each microservice should have a single responsibility
- b) Combine other business functionalities into the single microservice. A selfcontained binary is more secure
- c) Use Source-to-Image (S2I) to analyze runtime metrics. A microservice should always provide high degrees of observability
- d) Routinely reload cluster nodes to achieve high resiliency and loose coupling of application components

Answer: a

Question: 2

An Architect designed an application to run across multiple IBM Cloud Kubernetes Service clusters from different regions. What should the Architect utilize to direct the traffic across clusters?

- a) Direct Link Connect
- b) VPC Network Load Balancer
- c) IBM Cloud Internet Services
- d) Transit Gateway

Answer: c

Question: 3

Which IBM Cloud service can be deployed to reduce latency when serving static content such as documents, images, and video to end users dispersed across multiple geographies?

- a) IBM Cloud VPC Bare Metal Server
- b) IBM Cloud Databases read-replica instance
- c) IBM Content Delivery Network
- d) IBM Cloud Direct Link Connect

Answer: c

Question: 4

A company has deployed a CRM application on IBM Cloud, which records information about customer sales, as well as customer interaction and the channels they use. The marketing department wants to run complex reporting jobs against the data set, which is located in an IBM Cloud Databases for PostgreSQL instance, but the IT department is worried about the impact this might have on response times for other users.

What can the IT department do to mitigate this concern?

- a) Implement a read-replica of the PostgreSQL database and make it the target for the reporting jobs
- b) Export the relevant PostgreSQL tables into YAML files and use Data Engine to query them
- c) Add a new member to the PostgreSQL instance cluster and mark it as reportmaster
- d) Ensure that the PostgreSQL instance is in the closest MZR to the marketing department

Answer: a

Question: 5

The process of modernizing applications and moving to the cloud can be a large undertaking. Upon the initial discussion with the client, the architect found that most of the existing applications are built both on IBM WebSphere and Oracle WebLogic.

To determine the complexity of the applications estimates and development cost to complete a move to the cloud or suggests a target environment, what should the architect use?

- a) Transformation Advisor
- b) DevOps Commander
- c) Transition Manager
- d) CF Discovery Module

Answer: c

Question: 6

Which infrastructure as code (IaC) approach defines the desired final state of the infrastructure?

- a) Exclamatory
- b) Interrogative
- c) Imperative
- d) Declarative

Answer: d

Question: 7

An enterprise needs to deploy a compute solution for a custom AIX image. Which IBM Cloud IaaS offering could be used?

- a) Bare metal servers on VPC
- b) Virtual servers on VPC with custom images
- c) VMware vSphere Server (VSS)
- d) Power Systems Virtual Servers

Answer: d

Question: 8

When applying IBM Cloud security best practices, which of the following measures is crucial for protecting data at rest?

- a) Use of IBM Cloud Internet Services
- b) Implementation of regular data backups
- c) Encryption of data using IBM Key Protect
- d) Frequent password rotation for user accounts

Answer: c

Question: 9

What is infrastructure as code (IaC)?

- a) A method of provisioning IT infrastructure using descriptive code
- b) A method for a cloud services provider to supply computing resources
- c) Cloud computing components such as hardware, virtualized resources, storage, and networking
- d) The process of collecting and analyzing data from IT infrastructure

Answer: a

Question: 10

Which IBM Cloud service can an architect use to automate provisioning infrastructure?

- a) Ansible
- b) Schematics
- c) Playbooks
- d) Kubernetes

Answer: b

Study Guide to Crack IBM Cloud Advanced Architect C1000-176 Exam:

- Getting details of the C1000-176 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the C1000-176 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the IBM provided training for C1000-176 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the C1000-176 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on C1000-176 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

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