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#1 Online Certification Guide

IBM C1000-172

IBM Cloud Professional Architect Certification Questions & Answers

Exam Summary – Syllabus –Questions

C1000-172
IBM Certified Professional Architect - Cloud v6
64 Questions Exam – 60% Cut Score – Duration of 90 minutes

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Know Your C1000-172 Certification Well:

The C1000-172 is best suitable for candidates who want to gain knowledge in the IBM Cloud - Cloud Solutions. Before you start your C1000-172 preparation you may struggle to get all the crucial Cloud Professional Architect materials like C1000-172 syllabus, sample questions, study guide.

But don't worry the C1000-172 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 C1000-172 syllabus?
- How many questions are there in the C1000-172 exam?
- Which Practice test would help me to pass the C1000-172 exam at the first attempt?

Passing the C1000-172 exam makes you IBM Certified Professional Architect - Cloud v6. Having the Cloud Professional 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 C1000-172 Cloud Professional Architect Certification Details:

Exam Name	IBM Certified Professional Architect - Cloud v6
Exam Code	C1000-172
Exam Price	$200 (USD)
Duration	90 mins
Number of Questions	64
Passing Score	60%
Books / Training	**IBM Cloud Professional Architect 2023**
Schedule Exam	**Pearson VUE**
Sample Questions	**IBM Cloud Professional Architect Sample Questions**
Practice Exam	**IBM C1000-172 Certification Practice Exam**

C1000-172 Syllabus:

Topic	Details	Weights
Compute Options	- Identify the functionality of VPC on IBM Cloud using detailed feature use cases - Identify architectural considerations and features for IBM Cloud container platform offerings - Identify options for persistent storage in Red Hat OpenShift on IBM Cloud - Identify the key capabilities and features of IBM Power Systems Virtual Servers using detailed feature use cases - Identify the capabilities of each storage tier for Power Systems Virtual Server storage - Identify the architectural considerations and features for IBM Cloud for VMware Solution - Identify the architectural considerations and features for IBM Cloud Code Engine	19%
Designing Cloud Solutions	- Describe the three IBM Cloud service models - Examine Automation for the application platform using IBM Cloud Schematics - Identify Watson AI Services to add AI capabilities to IBM Cloud Solutions - Compare services used to connect apps in Cloud Application Integration Architecture in IBM Cloud Solutions - Identify IBM Cloud applications that integrate with Event Driven Architecture	16%
Data Analytics and Data Management	- Identify the capabilities and features of IBM Analytics Engine on IBM Cloud using detailed feature use cases - Identify features and capabilities of database services on IBM Cloud	6%
IBM Cloud Storage Options	- Define the options and capabilities of classic File Storage on IBM Cloud - Define the options and capabilities for Block Storage for VPC - Define the options and capabilities for Object Storage on IBM Cloud	11%

Topic	Details	Weights
IBM Cloud Networking Options	- Explain Direct Link deployment considerations - Explain establishing hybrid cloud integration and connectivity using IBM Secure Gateway - Explain cloud-native application network requirements for containers - Explain Virtual Private Cloud connectivity options on IBM Cloud using detailed feature use cases - Identify the features and architecture of VPN gateways using detailed feature use cases - Define the capabilities of IBM's Cloud Internet Services (CIS) using detailed feature use cases - Explain global load balancing and how it optimizes website and application performance	23%
Security	- Identify key architecture concepts related to cloud security and security features of IBM Cloud Security - Identify the architectural structure and uses of IBM Key Protect - Identify the architectural structure and uses of Hyper Protect Crypto Services	9%
IBM Cloud Resiliency Features	- Identify availability benefits of deploying an application in multizone regions (MZR) - Identify Disaster Recovery concepts and resilient solutions on classic, VPC, OpenShift platforms	8%
Observability Capabilities	- Identify the monitoring and alerting capabilities in IBM Cloud Monitoring using detailed feature use cases - Identify the features of IBM Log Analysis using detailed feature use cases - Identify the features for IBM Cloud flow logs for VPC using detailed feature use cases	8%

IBM C1000-172 Sample Questions:

Question: 1

A company wants to implement a disaster recovery strategy for their critical applications. They require a low recovery point objective (RPO) and recovery time objective (RTO) and have a limited budget. They are willing to tolerate some downtime during the recovery process.

Which DR strategy option would be most suitable for this scenario?

    a) Active/Passive
    b) Active/Standby
    c) Active/Active
    d) Passive/Standby

Answer: b

Question: 2

How does a client ensure high availability for master nodes in a Red Hat OpenShift on IBM Cloud cluster?

    a) Master nodes have six replicas for high availability
    b) Users must deploy the application nodes evenly across zones, then IBM deploys the master nodes in the same way
    c) Master node replicas are automatically spread evenly across zones
    d) Users can decide how master nodes should be distributed across zones used in the cluster

Answer: c

Question: 3

A solution architect would like to deploy a containerized AI application that involves highly sensitive data. Which infrastructure choice must the architect choose for the IBM Cloud Kubernetes Service to obtain the most secure isolation?

    a) Shared VPC infrastructure
    b) Bare Metal Classic infrastructure
    c) Shared Classic infrastructure
    d) Public VPC infrastructure

Answer: b

Question: 4

What best describes a single zone region in IBM Cloud?

  a) A region that provides high availability and fault tolerance for applications
  b) A region that allows the deployment of applications in multiple availability zones
  c) A region with a single data center located in a specific geographic location
  d) A region with multiple data centers spread across different geographic locations

Answer: c

Question: 5

Which IBM Cloud solution can provide a messaging broker?

  a) IBM Event Streams
  b) IBM API connect
  c) IBM Aspera
  d) IBM Watson OpenScale

Answer: a

Question: 6

Which technology does IBM Cloud Direct Link use to achieve high availability with two connections?

  a) Using VPN connections with diversity
  b) Using GRE Tunneling
  c) Using Equal-Cost MultiPath (ECMP) with diversity
  d) Using Equal-Path MultiCost (EPMC) with diversity

Answer: c

Question: 7

What is the key technology that makes IBM Cloud Analytics Engine run jobs at a remarkable processing speed?

  a) Rapid Distributed Datasets (RDD)
  b) Rapid Divided Datasets (RDD)
  c) Resourceful Distributed Datasets (RDD)
  d) Resilient Distributed Datasets (RDD)

Answer: d

Question: 8

What must be completed before adding a new network interface to a virtual server instance on IBM Cloud VPC?

a) Select the security group to be associated with the network interface
b) Select the access control list to be associated with the network interface
c) Create a public gateway to be associated with the network interface
d) Select the resource group to be associated with the network interface

Answer: a

Question: 9

An airline company wants to build a complete solution for updating aircraft data, related maintenance schedules, working hours, and routes defined in an application. Which IBM Cloud database service is best suited for this application?

a) Db2
b) Db2 Warehouse
c) Databases for Snowflake
d) Databases for Elasticsearch

Answer: a

Question: 10

When can an IBM Cloud Monitoring metric data be deleted?

a) It is automatically deleted after 15 months
b) It can only be deleted by opening a support ticket
c) It is never deleted
d) It is deleted when the capture file is deleted

Answer: a

Study Guide to Crack IBM Cloud Professional Architect C1000-172 Exam:

- Getting details of the C1000-172 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 C1000-172 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 C1000-172 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 C1000-172 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 C1000-172 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for C1000-172 Certification

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