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The IBM C1000-142 Exam covers a wide range of topics, including IBM Cloud technologies, IBM Cloud services, IBM Cloud solutions, IBM Cloud architecture, and IBM Cloud security. C1000-142 exam is designed to test the candidate's knowledge of these topics and their ability to apply them in real-world scenarios. C1000-142 exam consists of 60 multiple-choice questions and has a time limit of 90 minutes. Candidates who pass the exam will be awarded the IBM Cloud Advocate v2 certification. IBM Cloud Advocate v2 certification is a testament to an individual's expertise in IBM Cloud technologies and is recognized by employers worldwide.

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Pass Guaranteed Quiz 2025 IBM C1000-142: Accurate IBM Cloud Advocate v2 Pass Guaranteed

IBM Cloud Advocate v2 Sample Questions (Q108-Q113):

NEW QUESTION # 108
What is an important difference between containers and virtual machines?

- A. VMs virtualize the hardware and Containers virtualize the registry
- B. Containers virtualize the operating system and VMs virtualize the registry
- C. Containers virtualize hardware and VMs virtualize the operating system
- D. Containers virtualize the operating system and VMs virtualize the hardware

Answer: D

Explanation:
Containers are lightweight and portable executable units (images) of software. They supply portability between different platforms and clouds. Containers are self-contained units that are designed to hold applications as well as all libraries and dependencies that the application requires. Containers can be run on physical computers or in the cloud.
Containers do not have an operating system of their own. Instead, they access the operating system of the device they are running on using a hypervisor. This allows them to be more light-weight, easier to provision, and much smaller than traditional virtual machines.
Virtual machine is a virtual re-presentation of physical computer, you can understand it as a computer inside a computer. Each individual virtual machine behaves exactly as though it were its own computer. It has its own operating system, memory, storage, and compute and is totally unaware of other virtual machines that could be running on the same host.
How do containers differ from a traditional VM?
Traditional virtualization leverages a hypervisor to virtualize physical hardware. Each VM contains:
- A guest operating system (OS)
- A virtual copy of the hardware that the OS requires to run
- An application and its associated libraries and dependencies
- Containers, on the other hand, virtualize the operating system. Each container only contains:
- The application
- Its libraries
- Its dependencies

NEW QUESTION # 109
Which of the following are use cases of cloud object storage? Except

- A. Data archiving
- B. Backup and recovery
- C. Structured data storage
- D. Cloud-native app data

Answer: D

Explanation:
Object Storage enable you to store and access unstructured data anywhere in the world with a self-service portal backed by RESTful APIs.
Object Storage supports exponential data growth and cloud-native workloads with built-in high-speed file transfer capabilities, cross-region offerings and integrated services.
Cloud object storage makes it possible to store practically limitless amounts of data, simply and cost effectively.
Example use cases of cloud object storage include:
- Backup and recovery
- Data archiving
- Cloud-native app data
- AI and analytics

NEW QUESTION # 110
VMware, ESXi, Microsoft Hyper-v, and open-source KVM are some examples of which Type of hypervisor?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A

Explanation:
Correct Answer : 1 Hypervisor is a small software layer that enables multiple operating systems to run alongside each other. Hypervisor separates the VMs logically, assigning each its own slice of underlying computing power, memory, and storage. There are 2 types of Hypervisor : Type 1 & Type 2. Type 1 Hypervisors : Can support multiple virtual machines Also known as a "bare metal" hypervisors Most frequently used and seen in the market, most secure, lower latency Examples include VMware ESXi, Microsoft Hyper-V, open source Kernel-based Virtual Machine

NEW QUESTION # 111
Which of the following are types of Application virtualization? (Select Three)

- A. Server-based application virtualization
- B. Application streaming
- C. Local application virtualization
- D. CPU visualization
- E. Server-defined networking (SDN) visualization

Answer: A,B,C

Explanation:
Application virtualization: Application virtualization runs application software without installing it directly on the user's OS. This differs from complete desktop virtualization (mentioned above) because only the application runs in a virtual environment-the OS on the end user's device runs as usual. There are three types of application virtualization:
Local application virtualization: The entire application runs on the endpoint device but runs in a runtime environment instead of on the native hardware.
Application streaming: The application lives on a server which sends small components of the software to run on the end user's device when needed.
Server-based application virtualization : The application runs entirely on a server that sends only its user interface to the client device.

NEW QUESTION # 112
What are two use cases for Internet of Things devices? (Choose two.)

- A. eCommerce Fulfillment
- B. Asset Tracking
- C. Financial Services Reconciliation
- D. Predictive Maintenance
- E. Manufacturing Supply Chain

Answer: B,D

Explanation:
IBM API Connect Service provides API creation and management with security-rich features and centralized governance. You can use IBM API Connect for IBM Cloud to quickly create APIs for microservices based on Node.js and Java runtimes. When APIs are hosted on API Connect: Consumers can locate, understand, learn, and experiment with the APIs they need before committing to use them. They can also self-subscribe to them using revocable keys. Providers can hide the exact locations of API implementations, enable version-based routing, and throttle inbound requests to the API on a per-consumer basis. These capabilities are helpful while packaging data for partners. Consumers and providers can track use and response times, which allows them to tie resource use to their business model. In-Correct Answers IBM Event Streams for IBM Cloud is a high-throughput message bus built with Apache Kafka and was previously known as Message Hub. In Event Streams, applications send data by creating a message and sending it to a topic. It uses availability support from IBM Kubernetes services to maintain high availability and resilience. Integration is

available with IBM Cloud services as well as Watson Internet of Things (IoT). Key Features Fully Managed: Built on Apache Kafka, IBM Cloud Event Streams is a fully managed service. Intuitive UX: Deploy your Event Streams in minutes using the benefits of IBM Design Thinking. Event-Driven: Use integrations with IBM Cloud services like Watson IoT platform, IBM Streaming Analytics, and IBM Cloud Functions to easily create your event-driven architecture. IBM App Connect is a powerful all-in-one tool for easily connecting apps, integrating data, building APIs, and acting on events. App Connect can connect any endpoint, map your data, and move data fast. With IBM App Connect, you can reliably access and combine data assets across all your enterprise applications, databases, and systems and expose them as APIs. You can connect to any application or endpoint, from the latest SaaS apps to mainframe systems. IBM App Connect allows you to connect applications together using a common platform. It enables you to build automation triggers between applications and automate workflows and integrate data using the included 75+ connectors and 50+ templates. Key Features Intuitive Development Tools: Easily create APIs, thoroughly test them, then share them with others both inside and outside your organization. Easy Yet Powerful Security: Use pre-defined security policies to protect your API or customize your own. Lifecycle Management: Manage the entire lifecycle of your APIs for your internal team, external consumers, and third parties. Customizable Developer Portal: Share your APIs with other developers using the built-in fully-customizable portal. The portal includes the ability to communicate with API consumers using a variety of modalities including blogs, forums, and messaging. IBM MQ on Cloud provides enterprise-grade messaging capabilities to allow the flow of information between different applications. This service is fully managed so you can focus on integrating MQ applications rather than upgrades and patches. Key Features Deduplication: Messages are delivered without duplicates. Connectivity: Connectivity issues are handled by MQ. Encryption: End-to-end data encryption is used to ensure the security of your data. [Exam Tips] Remember following points: If you need to create, secure, and manage APIs use API Connect If you need to connect, copy, and sync application data across platforms use APP Connect If you need to deliver reliable, secure messaging, either on-premises or over the cloud use MQ If you need to build adaptive smart apps that react to events as soon as they happen use IBM Event Streams

NEW QUESTION # 113
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