

CV0-004^{Q&As}

CompTIA Cloud+ (2024)

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QUESTION 1

An organization is currently deploying a private cloud model. All devices should receive the time from the local environment with the least administrative effort. Which of the following ports needs to be opened to fulfill this requirement?

- A. 53
- B. 67
- C. 123
- D. 161

Correct Answer: C

Port 123 is what needs to be opened to ensure all devices receive the time from the local environment with the least administrative effort in a private cloud model. Port 123 is the port used by NTP (Network Time Protocol), which is a protocol that synchronizes the clocks of network devices and systems. NTP can help to ensure accurate and consistent time across different devices and systems in a cloud environment, which can facilitate coordination, communication, logging, auditing, etc.

Reference: <https://www.sciencedirect.com/topics/computer-science/network-time-protocol#:~:text=NTP%20is%20a%20built%20on,for%20example%2C%20a%20desktop>.

QUESTION 2

A company serves customers globally from its website hosted in North America. A cloud engineer recently deployed new instances of the website in the Europe region.

Which of the following is the most likely reason?

- A. To simplify workflow
- B. To enhance security
- C. To reduce latency
- D. To decrease cost

Correct Answer: C

The most likely reason for deploying new instances of a website in the Europe region, in addition to the ones hosted in North America, is to reduce latency for users located in Europe. By having the website's resources closer to the end-users,

the data has a shorter distance to travel, resulting in faster load times and better performance.

References: CompTIA Cloud+ Study Guide (V0-004) by Todd Montgomery and Stephen Olson

QUESTION 3

Which of the following is a field of computer science that enables computers to identify and understand objects and people in images and videos?

- A. Image reconstruction
- B. Facial recognition
- C. Natural language processing
- D. Computer vision

Correct Answer: D

Computer vision is a field of computer science that enables computers to identify and understand objects and people in images and videos. It involves the development of systems that can capture and interpret visual information from the world, similar to the way humans do.

References: The application of computer vision and its role in cloud services, particularly in relation to AI and machine learning capabilities, is discussed in CompTIA Cloud+.

QUESTION 4

A company recently set up a CDN for its photography and image-sharing website. Which of the following is the most likely reason for the company's action?

- A. To eliminate storage costs
- B. To improve site speed
- C. To enhance security of static assets
- D. To prevent unauthorized access

Correct Answer: B

The most likely reason for setting up a Content Delivery Network (CDN) is to improve site speed, especially for a photography and image-sharing website. CDNs cache content at edge locations closer to end-users, significantly reducing load times for static assets like images and videos. This enhancement in speed can improve user experience and site performance. References: CompTIA Cloud+ resources and CDN functionality

QUESTION 5

A cloud engineer is deploying a cloud solution that will be used on premises with need-to-know access. Which of the following cloud deployment models best meets this requirement?

- A. Community
- B. Public
- C. Private
- D. Hybrid

Correct Answer: C

A private cloud deployment model is the most appropriate when the requirement is for \\'need-to-know\\' access, as it offers a more secure environment with resources dedicated to a single organization. It can be hosted on-premises or off-premises but is maintained on a private network, ensuring greater control over the data, security, and compliance when compared to other cloud models. References: CompTIA Cloud+ Certification Study Guide (V0-004) by Scott Wilson and Eric Vanderburg

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