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QUESTION 1

A systems administrator is reviewing two CPU models for a cloud deployment. Both CPUs have the same number of cores/threads and run at the same clock speed.

Which of the following will BEST identify the CPU with more computational power?

- A. Simultaneous multithreading
- B. Bus speed
- C. L3 cache
- D. Instructions per cycle

Correct Answer: D

Instructions per cycle (IPC) is a metric that measures how many instructions a CPU can execute in one clock cycle. IPC can help identify the CPU with more computational power when comparing two CPU models that have the same number of cores/threads and run at the same clock speed, as it indicates the efficiency and performance of the CPU architecture and design. A higher IPC means that the CPU can process more instructions in less time, resulting in faster and better performance. References: CompTIA Cloud+ Certification Exam Objectives, page 9, section 1.4 Reference: https://en.wikipedia.org/wiki/Central_processing_unit

QUESTION 2

A cloud architect is receiving complaints from VDI users overseas about slowness even though the remote office has Gigabit internet. Which of the following will most likely solve the issue?

- A. Increasing bandwidth
- B. Enabling compression
- C. Lowering latency
- D. Adding redundancy

Correct Answer: C

QUESTION 3

A storage array that is used exclusively for datastores is being decommissioned, and a new array has been installed. Now the private cloud administrator needs to migrate the data.

Which of the following migration methods would be the BEST to use?

- A. Conduct a V2V migration
- B. Perform a storage live migration



- C. Rsync the data between arrays
- D. Use a storage vendor migration appliance

Correct Answer: D

QUESTION 4

A cloud administrator is upgrading a cloud environment and needs to update the automation script to use a new feature from the cloud provider. After executing the script, the deployment fails. Which of the following is the MOST likely cause?

- A. API incompatibility
- B. Location changes
- C. Account permissions
- D. Network failure

Correct Answer: A

API incompatibility is the most likely cause of the failure of an automation script to use a new feature from the cloud provider. API (Application Programming Interface) is a set of rules or specifications that defines how different software components or systems can communicate and interact with each other. API incompatibility is a situation where an API does not work or function properly with another software component or system due to differences or changes in versions, formats, parameters, etc. API incompatibility can cause errors or issues when using an automation script to deploy or configure cloud resources or services, especially if the script is not updated or modified according to the new API specifications.

QUESTION 5

A cloud administrator would like to maintain file integrity checks through hashing on a cloud object store. Which of the following is MOST suitable from a performance perspective?

- A. SHA-256
- B. SHA-512
- C. MD5
- D. AES

Correct Answer: C

The most suitable hashing algorithm from a performance perspective to maintain file integrity checks on a cloud object store is MD5 (Message Digest 5). MD5 is a hashing algorithm that generates a 128-bit hash value for any given input data. MD5 is faster and more efficient than other hashing algorithms, such as SHA-256 or SHA-512, which generate longer hash values and require more computational resources. MD5 can be used to verify the integrity of files by comparing their hash values before and after transmission or storage. Reference: CompTIA Cloud+ Certification Exam Objectives, Domain 2.0 Security, Objective 2.5 Given a scenario, apply data security techniques in the cloud.



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