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QUESTION 1

An organization has multiple VLANs configured to segregate the network traffic. Following is the breakdown of the network segmentation:

1.

 Production traffic (10.10.0.0/24)

2.

 Network backup (10.20.0.0/25)

3.

 Virtual IP network (10.20.0.128/25)

The following configuration exists on the server:

Server name	Interface	IP address	Gateway
COMPSRV01	Production	10.10.0.12/24	10.10.0.1
COMPSRV01	Network backup	10.20.0.12/25	10.10.0.1

The backup administrator observes that the weekly backup is failing for this server. Which of the following commands should the administrator run to identify the issue?

A. ROUTE PRINT

B. NETSTAT-A

C. IPCONFIG /ALL

D. NET SM

Correct Answer: A

ROUTE PRINT is a command that displays the routing table of a system, which shows the destination network, the gateway, the interface, and the metric for each route. ROUTE PRINT can help identify the issue of the weekly backup failing for this server, as it can show if there is a valid route to the network backup segment (10.20.0.0/25) from the production traffic segment (10.10.0.0/24). If there is no route or an incorrect route, the backup will fail to reach the destination. The administrator can use ROUTE PRINT to verify and troubleshoot the routing configuration of the server. References: CompTIA Cloud+ Certification Exam Objectives, page 16, section 3.2

Reference: https://www.toolbox.com/tech/operating-systems/blogs/using-the-route-print-command-in-windows-7-022310/

QUESTION 2

A systems administrator needs to configure an email client to ensure data integrity of the email messages.

Which of the following provides the BEST mechanism to achieve this goal?

A. Cyclic redundancy check

B. SHA-1 hashes

C. SHA-256 hashes

D. Digital signature

Correct Answer: D

A digital signature is a type of cryptographic technique that verifies the authenticity, integrity, and non-repudiation of an electronic message or document. A digital signature can help configure an email client to ensure data integrity of the email messages, as it can prove that the email message has not been altered or tampered with during transmission by using a mathematical algorithm to generate a unique code (signature) based on the content and identity of the sender. A digital signature can also help prevent spoofing, phishing, or impersonation attacks, as it can confirm that the email message originates from a legitimate source. References: CompTIA Cloud+ Certification Exam Objectives, page 14, section 2.7 Reference: https://www.fsl.cs.sunysb.edu/docs/integrity-storagess05/integrity.html

QUESTION 3

An administrator manages a file server that has a lot of users accessing and creating many files. As a result, the storage consumption is growing quickly. Which of the following would BEST control storage usage?

A. Compression

B. File permissions

C. User quotas

D. Access policies

Correct Answer: C

Reference: https://www.techtarget.com/searchstorage/Data-storage-management-What-is-it-and-why-is-it-important

QUESTION 4

A systems administrator is attempting to gather information about services and resource utilization on VMs in a cloud environment. Which of the following will best accomplish this objective?

A. Syslog

B. SNMP

C. CMDB

D. Service management

E. Performance monitoring

Correct Answer: E

Explanation: Performance monitoring is a technique that collects and analyzes data about the services and resource

utilization on VMs in a cloud environment. Performance monitoring can help the systems administrator to gather information about the CPU, memory, disk, network, and application performance of the VMs, as well as identify any bottlenecks, errors, or anomalies that may affect the cloud service quality. Performance monitoring can be implemented using various tools or agents that can collect and report the performance metrics from the VMs to a centralized dashboard or console. Performance monitoring can also help the systems administrator to optimize, troubleshoot, and plan the cloud resources and services. References: CompTIA Cloud+ CV0-003 Certification Study Guide, Chapter 5, Objective 5.1: Given a scenario, monitor cloud resources and services.

QUESTION 5

A company is using an IaC deployment model to a public cloud IaaS. The automation runs partially and then fails to build a VM in the IaaS environment. Upon further assessment, the connectivity to the IaaS is confirmed. Which of the following are the MOST likely causes of the failure? (Choose two.)

A. Insufficient account balance

B. Network settings

C. Resource tagging

D. API request limits

E. Administrator access

F. Inadequate storage

Correct Answer: BE

Reference: https://www.ibm.com/topics/iaas-paas-saas

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