Free Questions for CV0-004 by certsinside

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Question 1

A cloud infrastructure administrator updated the IP tables to block incoming connections and outgoing responses to 104.225.110.203. Which of the following vulnerability

management steps is this an example of?

Options:

A- Scanning scope

B- Remediation

C- Identification

D- Assessment

Answer:

B

Explanation:

Updating the IP tables to block connections to a specific IP address as a response to vulnerabilities is an example of remediation. Remediation involves taking direct action to fix vulnerabilities, such as by applying patches, changing configurations, or, in this case, updating firewall rules to block potentially harmful traffic.

Question 2

A cloud engineer needs to migrate an application from on premises to a public cloud. Due to timing constraints, the application cannot be changed prior to migration. Which of the

following migration strategies is best approach for this use case?

Options:

A- Retire

B- Rearchitect

C- Refactor

D- Rehost

Answer:

D

Explanation:

Rehosting, often referred to as 'lift-and-shift,' is the process of migrating an application or workload to the cloud without modifying it. This approach is suitable when there are timing constraints that prevent making changes to the application prior to migration. Rehosting can be the quickest migration strategy since it involves moving the existing applications to the cloud with minimal changes.

Question 3

Question Type: MultipleChoice

An organization is hosting a seminar with eight individuals who need to connect to their own dedicated VM. The technician used the following VM configurations:

IP address: DHCP

NIC: 1Gbps

Network: 10.1.10.0/29

Several users are unable to access their VMs. Which of the following best describes the reason?

Options:

A- Not enough addresses are available.

B- The routes are misconfigured.

C- Too much traffic is on the network.

D- DHCP is not working correctly on the VM.

Answer:

A

Explanation:

The network is configured with a subnet of /29, which provides only 6 usable IP addresses after accounting for the network and broadcast addresses. With eight individuals needing to connect to their own dedicated VMs, there are not enough IP addresses available to assign to each VM, leading to several users being unable to access their VMs. This issue is not related to misconfigured routes, network traffic, or DHCP functionality, but rather the limited number of IP addresses available in the given subnet.

Question 4

A cloud server needs to automatically allocate more resources during sudden peak times. This allocation does not need to occur in regular intervals. Which of the following scaling

approaches should be used?

Options:

A- Event

B- Manual

C- Trending

D- Scheduled

Answer:

A

Explanation:

Event-based scaling is designed to allocate more resources automatically in response to specific events, such as sudden peak times that are not regular or predictable. This type of scaling ensures that resources are available when needed without the need to schedule them in advance or adjust them manually. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 5

A systems administrator needs to configure backups for the company's on-premises VM cluster. The storage used for backups will be constrained on free space until the company

can implement cloud backups. Which of the following backup types will save the most space, assuming the frequency of backups is kept the same?

Options:

A- Snapshot

B- Ful

C- Differential

D- Incremental

Answer:

D

Explanation:

An incremental backup strategy saves space because it only backs up data that has changed since the last backup. Compared to full and differential backups, incremental backups are smaller and save more space, which is essential when storage is constrained.
Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 6

Question Type: MultipleChoice

Which of the following is a direct effect of cloud migration on an enterprise?

Options:

A- The enterprise must reorganize the reporting structure.

B- Compatibility issues must be addressed on premises after migration.

C- Cloud solutions will require less resources than on-premises installations.

D- Utility costs will be reduced on premises.

Answer:

D

Explanation:

Cloud migration typically results in a reduction of on-premises utility costs because the physical infrastructure requirements, such as power and cooling, are transferred to the cloud provider. This shift can lead to significant savings in utility expenses for the enterprise. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 7

Question Type: MultipleChoice

Which of the following describes what CRUD is typically used for?

Options:

A- Relational databases

B- Time series databases

C- Graph databases

D- NoSQL databases

Answer:

A

Explanation:

CRUD stands for Create, Read, Update, Delete, and it is most commonly used for interacting with relational databases. These operations form the basis of persistent storage manipulation in most applications that use a database to store data. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 8

Question Type: **MultipleChoice**

A group of cloud administrators frequently uses the same deployment template to recreate a cloud-based development environment. The administrators are unable to go back and

review the history of changes they have made to the template. Which of the following cloud resource deployment concepts should the administrator start using?

Options:

A- Drift detection

B- Repeatability

C- Documentation

D- Versioning

Answer:

D

Question 9

Question Type: **MultipleChoice**

An administrator needs to provide a backup solution for a cloud infrastructure that enables the resources to run from another data center in case of a outage. Connectivity to the

backup data center is via a third-party, untrusted network. Which of the following is the most important feature required for this solution?

Options:

A- Deduplication

B- Replication

C- Compression

D- Encryption

E- Labeling

Answer:

D

Explanation:

When backing up data that will traverse a third-party, untrusted network, encryption is the most important feature to ensure the confidentiality and integrity of the data. Encryption will protect the data from potential interception or tampering during transit to the backup data center. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 10

Which of the following is a customer be responsible for in a provider-managed database service? (Select two).

Options:

A- Operating system patches

B- Table-level permissions

C- Minor database engine updates

D- Cluster configuration

E- Row-level encryption

F- Availability of hardware for scaling

Answer:

B, E

Explanation:

In a provider-managed database service, the cloud provider typically manages the infrastructure, operating system, and database engine updates. However, the customer is responsible for the data and its security within the database, which includes setting table-level permissions and row-level encryption to ensure that data access and security is managed appropriately. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)

Question 11

Question Type: **MultipleChoice**

Two CVEs are discovered on servers in the company's public cloud virtual network. The CVEs are listed as having an attack vector value of network and CVSS score of 9.0. Which

of the following actions would be the best way to mitigate the vulnerabilities?

Options:

A- Patching the operating systems

B- Upgrading the operating systems to the latest beta

C- Encrypting the operating system disks

D- Disabling unnecessary open ports

Answer:

A

Explanation:

For vulnerabilities with a high CVSS score and a network attack vector, the most effective and direct mitigation action is to patch the operating systems. Patching addresses the specific vulnerabilities that have been identified and helps to secure the servers against the known exploits that could take advantage of these CVEs. Reference: CompTIA Cloud+ Guide to Cloud Computing (ISBN: 978-1-64274-282-2)