

## CV0-003<sup>Q&As</sup>

CompTIA Cloud+ Certification

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**QUESTION 1**

A company has two identical environments (X and Y) running its core business application. As part of an upgrade, the X environment is patched/updated and tested while the Y environment is still serving the consumer workloads. Upon successful testing of the X environment, all workload is sent to this environment, and the Y environment is then upgraded before both environments start to manage the workloads. Which of the following upgrade methods is being used?

- A. Active-passive
- B. Canary
- C. Development/production
- D. Blue-green

Correct Answer: D

Reference: <https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.managing.bgdeploy.html>

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**QUESTION 2**

A security analyst is investigating a recurring alert. The alert is reporting an insecure firewall configuration state after every cloud application deployment. The process of identifying the issue, requesting a fix, and waiting for the developers to manually patch the environment is being repeated multiple times. In an effort to identify the root issue, the following logs were collected:

```
Deploying template app-prod.yaml
Instance DB successfully created
DB keys successfully stored on vault
Instance WebApp successfully created
Access rules successfully applied
Access-keys successfully created
```

Which of the following options will provide a permanent fix for the issue?

- A. Validate the IaC code used during the deployment.
- B. Avoid the use of a vault to store database passwords.
- C. Rotate the access keys that were created during deployment.
- D. Recommend that the developers do not create multiple resources at once.

Correct Answer: C

### QUESTION 3

A cloud security analyst is implementing a vulnerability scan of the web server in the DMZ, which is running in an IaaS compute instance. The default inbound firewall settings are as follows: Which of the following will provide the analyst with the MOST accurate report?

Protocol	Port	Source	Action
TCP	80	any	allow
TCP	443	any	allow
ICMP	echo request	any	allow
any	any	any	deny

- A. An agent-based scan
- B. A network vulnerability scan
- C. A default and common credentialed scan
- D. A network credentialed vulnerability scan

Correct Answer: D

Reference: <https://docs.tenable.com/nessus/Content/NessusCredentialedChecks.htm>

### QUESTION 4

A company would like to migrate its current on-premises workloads to the public cloud. The current platform requires at least 80 instances running at all times to work properly. The company wants the workload to be highly available, even if the cloud provider loses one region due to a catastrophe, and the costs to be kept to a minimum. Which of the following strategies should the company implement?

- A. Create /25 subnets in two regions and run 80 instances on each one.
- B. Create /26 subnets in two regions and run 40 instances on each one.
- C. Create /26 subnets in three regions and run 40 instances on each one.
- D. Create /26 subnets in three regions and run 80 instances on each one.

Correct Answer: C

1. at least 80 instances running at all times to work 2. wants the workload to be highly available, even if the cloud provider loses one region due to a catastrophe 3. costs to be kept to a minimum

The choice of /26 subnets allows for up to 64 IP addresses, which is sufficient for running 40 instances in each region - Respect all 3 requirements

By running 40 instances in each region, the company can achieve the desired level of availability while keeping costs lower - So, we have cost optimization !

By distributing the workload across three regions, the company ensures redundancy and fault tolerance. They want AT LEAST 80 instances.

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## QUESTION 5

A systems administrator is provisioning VMs in a cloud environment and has been told to select an OS build with the furthest end-of-life date.

Which of the following OS builds would be BEST for the systems administrator to use?

- A. Open-source
- B. LTS
- C. Canary
- D. Beta
- E. Stable

Correct Answer: B

Long-term support (LTS) is a type of release cycle that provides extended support and maintenance for software products or operating systems. LTS releases typically have longer end-of-life dates than regular releases, as they receive security updates, bug fixes, and patches for several years after their initial release date. LTS releases can also offer higher stability, reliability, and compatibility than regular releases, as they undergo more testing and quality assurance processes before being released. LTS is the best OS build for a systems administrator to use when provisioning VMs in a cloud environment and being told to select an OS build with the furthest end-of-life date.

References: CompTIA Cloud+ Certification Exam Objectives, page 11, section 1.6

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