

# CompTIA Cloud+ Exam

1. An engineer made a change to an application and needs to select a deployment strategy that meets the following requirements:

- Is simple and fast
- Can be performed on two Identical platforms

Which of the following strategies should the engineer use?

A. Blue-green

B. Canary

C. Rolling

D. in-place

**Answer(s): A**

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2. The change control board received a request to approve a configuration change 10 deploy in the cloud production environment.

Which of the following should have already been completed?

A. Penetration test

B. End-to-end security testing

C. Cost benefit analysis

D. User acceptance testing

**Answer(s): D**

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3. A customer is migrating applications to the cloud and wants to grant authorization based on the classification levels of each system.

Which of the following should the customer implement to ensure authorisation to systems is granted when the user and system classification properties match? (Select two).

A. Resource tagging

B. Discretionary access control

C. Multifactor authentication

D. Role-based access control

E. Token-based authentication

F. Bastion host

**Answer(s): B D**

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4. A system surpasses 75% to 80% of resource consumption.  
Which of the following scaling approaches is the most appropriate?

A. Trending

B. Manual

C. Load

D. Scheduled

**Answer(s): C**

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5. A network administrator is budding a site-to-site VPN tunnel from the company's headquarters office to the company's public cloud development network. The network administrator confirms the following:

The VPN tunnel is established on the headquarter office firewall.

While inside the office, developers report that they cannot connect to the development network resources.

While outside the office on a client VPN, developers report that they can connect to the development network resources.

The office and the client VPN have different IP subnet ranges. The firewall flow logs show VPN traffic is reaching the development network from the office.

Which of the following is the next step the next network administrator should take to troubleshoot the VPN tunnel?

A. Review the development network routing table.

B. Change the ciphers on the site-to-site VPN.

C. Restart the site-to-site VPN tunnel.

D. Check the ACLS on the development workloads

**Answer(s): A**

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6. A company's main web application is no longer accessible via the internet. The cloud administrator investigates and discovers the application is accessible locally and only via an IP access.

Which of the following was misconfigured?

A. IP

B. DHCP

C. NAT

D. DNS

**Answer(s): D**

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7. A cloud engineer is provisioning a new application that requires access to the organization's public cloud resources.

Which of the following is the best way for the cloud engineer to authenticate the application?

A. Access key

B. API

C. MFA token

D. Username and Password

**Answer(s): A**

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8. A security engineer identifies a vulnerability in a containerized application. The vulnerability can be exploited by a privileged process to read the content of the host's memory. The security engineer reviews the following Dockerfile to determine a solution to mitigate similar exploits:

```
FROM alpine:3.17
RUN apk update && apk upgrade
COPY . /myapp
ENTRYPOINT ["/myapp/app"]
```

Which of the following is the best solution to prevent similar exploits by privileged processes?

A. Adding the USER myappuser instruction

B. Patching the host running the Docker daemon

C. Changing FROM alpine:3.17 to FROM alpine:latest

D. Running the container with the read-only filesystem configuration

**Answer(s): A**

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9. A cross-site request forgery vulnerability exploited a web application that was hosted in a public IaaS network. A security engineer determined that deploying a WAF in blocking mode at a CDN would prevent the application from being exploited again. However, a week after implementing the WAF, the application was exploited again.

Which of the following should the security engineer do to make the WAF control effective?

A. Configure the DDoS protection on the CDN.

B. Install endpoint protection software on the VMs

C. Add an ACL to the VM subnet.

D. Deploy an IDS on the IaaS network.

**Answer(s): C**

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**10.** A cloud engineer wants containers to run the latest version of a container base image to reduce the number of vulnerabilities. The applications in use require Python 3.10 and are not compatible with any other version. The containers' images are created every time a new version is released from the source image. Given the container Dockerfile below:

```
FROM cgr.dev/chainguard/python:3.10
WORKDIR /myapp
COPY main.py ./
ENTRYPOINT ["python", "/myapp/main.py"]
```

Which of the following actions will achieve the objectives with the least effort?

- A. Perform docker pull before executing docker run.
- B. Execute docker update using a local cron to get the latest container version.
- C. Change the image to use python:latest on the image build process.
- D. Update the Dockerfile to pin the source image version.

**Answer(s): A**

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**11.** An engineer wants to scale several cloud workloads on demand. Which of the following approaches is the most suitable?

- A. Load
- B. Scheduled
- C. Manual
- D. Trending

**Answer(s): A**

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**12.** A software engineer is integrating an application to the cloud that is web socket based. Which of the following applications is the engineer most likely deploying?

A. Image-sharing

B. Data visualization

C. Chat

D. File transfer

**Answer(s): C**

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**13.** A manager wants information about which users signed in to a certain VM during the past month.

Which of the following can the cloud administrator use to obtain this information?

A. Retention

B. Alerting

C. Aggregation

D. Collection

**Answer(s): D**

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**14.** A cloud engineer is reviewing the following Dockerfile to deploy a Python web application:

```
FROM cgr.dev/chainguard/python:latest
WORKDIR /myapp
COPY main.py ./
ENTRYPOINT ["python", "/myapp/main.py"]
```

Which of the following changes should the engineer make to the file to improve container security?

A. Add the instruction "USER nonroot."

B. Change the version from latest to 3.11.

C. Remove the ENTRYPOINT instruction.

D. Ensure myapp/main.pyls owned by root.

**Answer(s): A**

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**15.** A company has decided to adopt a microservices architecture for its applications that are deployed to the cloud.

Which of the following is a major advantage of this type of architecture?

A. Increased security

B. Simplified communication

C. Reduced server cost

D. Rapid feature deployment

**Answer(s): D**

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**16.** A company wants to optimize cloud resources and lower the overhead caused by managing multiple operating systems.

Which of the following compute resources would be best to help to achieve this goal?

A. VM

B. Containers

C. Remote desktops

D. Bare-metal servers

**Answer(s): B**

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**17.** A developer is deploying a new version of a containerized application. The DevOps team wants:

- No disruption
- No performance degradation
- \* Cost-effective deployment

· Minimal deployment time

Which of the following is the best deployment strategy given the requirements?

A. Canary

B. In-place

C. Blue-green

D. Rolling

**Answer(s): C**

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**18.** An DevOps engineer is receiving reports that users can no longer access the company's web application after hardening of a web server. The users are receiving the following error: ERR\_SSLJ/ERSION\_OR\_CIPHER\_MISMATCH.

Which of the following actions should the engineer take to resolve the issue?

A. Restart the web server.

B. Configure TLS 1.2 or newer.

C. Update the web server.

D. Review logs on the WAF

**Answer(s): B**

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**19.** A healthcare organization must follow strict compliance requirements to ensure that PII is not leaked. The cloud administrator needs to ensure the cloud email system can support this requirement Which of the following should the organization enable?

A. IPS

B. OLP

C. ACL

D. WAF

**Answer(s): B**

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**20.** A cloud engineer wants to implement a monitoring solution to detect cryptojacking and other cryptomining malware on cloud instances.

Which of the following metrics would most likely be used to identify the activity?

A. Disk I/O

B. Network packets

C. Average memory utilization

D. Percent of CPU utilization

**Answer(s): D**

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