

# Docker Certified Associate

1. Which of the following commands will automatically create a volume when a container is started?

A. 'docker container run --name nginxtest --volumes=/app nginx'

B. 'docker container run --name nginxtest -v /app:mount nginx'

C. 'docker container run --name nginxtest --volumes myvol:/app:new nginx'

D. 'docker container run --name nginxtest -v myvol:/app nginx'

**Answer(s): A**

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2. Which one of the following commands will show a list of volumes for a specific container?

A. 'docker container logs nginx--volumes'

B. 'docker container inspect nginx'

C. 'docker volume inspect nginx'

D. 'docker volume logs nginx --containers'

**Answer(s): B**

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3. Which of the following constitutes a production-ready device mapper configuration for the Docker engine?

A. Create a volume group in device mapper and utilize the '--dm.thinpooldev' Docker daemon option, specifying the volume group

B. Format a partition with xfs and mount it at '/var/lib/docker'

C. Utilize the '--storage-opt dm.directlvm\_device' Docker daemon option, specifying a block device

D. Nothing, device mapper comes ready for production usage out of the box

**Answer(s): C**

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4. Which one of the following commands will result in the volume being removed automatically once the container has exited?

A. 'docker run --del -v /foobusybox'

B. 'docker run --read-only -v /foobusybox'

C. 'docker run --rm -v /foobusybox'

D. 'docker run --remove -v /foobusybox'

**Answer(s): C**

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5. A container named "analytics" that stores results in a volume called "data" was created. `docker run -d --name=analytics -v data:/data app1`  
How are the results accessed in "data" with another container called "app2"?

A. `docker run -d --name=reports --volume=data app2`

B. `docker run -d --name=reports --volumes-from=analytics app2`

C. `docker run -d --name=reports --volume=app1 app2`

D. `docker run -d --name=reports --mount=app1 app2`

**Answer(s): B**

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6. A server is running low on disk space. What command can be used to check the disk usage of images, containers, and volumes for Docker engine?

A. 'docker system df'

B. 'docker system prune'

C. 'docker system free'

D. 'docker system ps'

**Answer(s): A**

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7. Which of the following are types of namespaces used by Docker to provide isolation? (Choose 2.)

A. Host

B. Network

C. Process ID

D. Authentication

E. Storage

**Answer(s): B C**

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8. Which of the following namespaces is disabled by default and must be enabled at Dockerengine runtime in order to be used?

A. user

B. pid

C. net

D. mnt

**Answer(s): A**

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9. Which of the following statements is true about secrets?

- A. Secrets can be created from any node in the cluster.
- B. Secrets can be modified after they are created.
- C. Secret are stored unencrypted on manager nodes.
- D. Secrets can be created using standard input (STDIN) and a file.

**Answer(s): D**

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10. Following the principle of least privilege, which of the following methods can be used to securely grant access to the specific user to communicate to a Docker engine? (Choose two.)

- A. Utilize the '--host 0.0.0.0:2375' option to the Docker daemon to listen on port 2375 over TCP on all interfaces
- B. Utilize open ssl to create TLSClient and server certificates, configuring the Docker engine to use with mutual TLS over TCP.
- C. Utilize the '--host 127.0.0.1:2375' option to the Docker daemon to listen on port 2375 over TCP on localhost
- D. Give the user root access to the server to allow them to run Docker commands as root.
- E. Add the user to the 'docker' group on the server or specify the group with the '--group' Docker daemon option.

**Answer(s): B E**

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11. Which of the following is supported by control groups?

- A. Manage certificates

B. Collect net

C. Limit CPU usage within a container

D. Isolate processes in a container

**Answer(s): C**

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**12.** What is the purpose of Docker Content Trust?

A. Signing and verification of imagetags

B. Enabling mutual TLS between the Docker client and server

C. Docker registry TLS verification and encryption

D. Indicating an image on Docker Hub is an official image

**Answer(s): A**

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**13.** What is the purpose of a client bundle in the Universal Control Plane?

A. Authenticate a user using client certificates to the Universal Control Plane

B. Provide a new user instructions for how to login to the Universal Control Plane

C. Provide a user with a Docker client binary compatible with the Universal Control Plane

D. Group multiple users in a team in the Universal Control Plane

**Answer(s): A**

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**14.** When using the Docker client to push an image to a registry, what environment variable is used to instruct the client to perform signing of the image?

A. DOCKER\_CONTENT\_TRUST=1

B. DOCKER\_IMAGE\_SIGN=1

C. DOCKER\_PUSH\_SIGN=1

D. NOTARY\_ENABLE=1 Correct

**Answer(s):** A

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**15.** You have created a Dockerbridge network on a host with three containers attached, how do you make this containers accessible outside of the host?

A. Use network attach to access the containers on the bridge network

B. Use either EXPOSE or --publish to access the containers on the bridge network

C. Use network connect to access the containers on the bridge network

D. Use --link to access the containers on the bridge network Correct

**Answer(s):** B

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**16.** Which of the following commands will ensure that overlay traffic between service tasks is encrypted?

A. docker service create --network --secure

B. docker network create -d overlay --secure

C. docker network create -d overlay -o encrypted=true

D. docker service create --network --encrypted

**Answer(s):** C

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17. Which of the following commands will create a swarm service which only listens on port 53 using the UDP protocol?

A. `docker service create --name dns-cache -p 53:53/udp dns-cache`

B. `docker service create --name dns-cache -p 53:53 --service udp dns-cache`

C. `docker service create--namedns-cache-p 53:53..constraint networking.protocol.udp=true dns-cache`

D. `docker service create --name dns-cache -p 53:53 --udp dns-cache`

**Answer(s):** A

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18. Which of the following is true about using the '-P' option when creating a new container?

A. Docker binds each exposed container port to a random port on all the host's interface

B. Docker gives extended privileges to the container.

C. Docker binds each exposed container port to a random port on a specified host interface

D. Docker binds each exposed container port with the same port on the host

**Answer(s):** A

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19. What behavior is expected when a service is created with the following command: 'docker service create --publish 8000:80 nginx'

A. All nodes in the cluster will listen on port 8080 and forward to port 80 in the container.

B. Only a single node in the cluster will listen on port 8080 and forward to port 80 in the container.

C. All nodes in the cluster will listen on port 80 and forward to port 8080 in the container.

D. Only a single node in the cluster will listen on port 80 and forward to port 8080 in the container.

**Answer(s):** A

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20. Which set of commands can identify the published port(s) for a container? (Choose 1.)

A. 'docker port inspect', 'docker container inspect'

B. 'docker container inspect', dockerport'

C. 'docker info', 'docker network inspect'

D. 'docker network inspect', 'docker port'

**Answer(s): B**

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