

Docker

Exam Questions DCA

Docker Certified Associate (DCA) Exam



NEW QUESTION 1

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 --name dns-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: A

NEW QUESTION 2

What is used by the kernel to Isolate resources when running Docker containers?

- A. Namespaces
- B. Overlay networks
- C. Volumes
- D. Control groups (also know as cgroups)

Answer: D

NEW QUESTION 3

Which of the following commands is used to display system-wide Docker configuration on a host?

- A. `docker info`
- B. `docker status`
- C. `docker inspect`
- D. `docker system`

Answer: A

NEW QUESTION 4

You have deployed a service to swarm. Which command uses the Docker CLI to set the number of tasks of the services to 5? (choose 2)

- A. `'docker service update --replicas=5 <service-id>'`
- B. `'docker replica update <service-id>=5'`
- C. `'docker update service <service-id>=5'`
- D. `'docker service replicas <service-id>=5'`
- E. `'docker service scale <service-id> = 5'`

Answer: AE

NEW QUESTION 5

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

- A. `'docker port inspect', 'docker container inspect'`
- B. `'docker container inspect', 'docker port'`
- C. `'docker info', 'docker network inspect'`
- D. `'docker network inspect', 'docker port'`

Answer: B

NEW QUESTION 6

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

- A. `'docker run --del -v /foo busybox'`
- B. `'docker run --read-only -v /foo busybox'`
- C. `'docker run --rm -v /foo busybox'`
- D. `'docker run --remove -v /foo busybox'`

Answer: C

NEW QUESTION 7

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 openssl to create TLS client 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: BE

NEW QUESTION 8

What service mode is used to deploy a single task of a service to each node?

- A. replicated
- B. spread
- C. universal
- D. distributed
- E. global

Answer: E

NEW QUESTION 9

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: BC

NEW QUESTION 10

You have created a Docker bridge 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: B

NEW QUESTION 10

A service 'wordpress' is running using a password string to connect to a non-Dockerized database service. The password string is passed into the 'wordpress' service as a Docker secret. Per security policy, the password on the database was changed. Identify the correct sequence of steps to rotate the secret from the old password to the new password.

- A. Create a new docker secret with the new password
- B. Trigger a rolling secret update by using the 'docker secret update' command
- C. Trigger an update to the service by using 'docker service update --secret=<new password>'
- D. Create a new docker secret with the new password
- E. Remove the existing service using 'docker service rm'. Start a new service with the new secret using "--secret=<new password>"
- F. Create a new docker secret with a new password
- G. Trigger a rolling update of the "wordpress" service, by using "--secret-rm" & "--secret-add" to remove the old secret and add the updated secret.

Answer: D

NEW QUESTION 12

In Docker Trusted Registry, how would a user prevent an image, for example 'nginx:latest' from being overwritten by another user with push access to the repository?

- A. Tag the image with 'nginx:immutable'
- B. Remove push access from all other users.
- C. Use the DTR web UI to make the tag immutable.
- D. Keep a backup copy of the image on another repository.

Answer: C

NEW QUESTION 13

Which of the following is NOT backed up when performing a Docker Trusted backup operation?

- A. Access control to repos and images
- B. Repository metadata
- C. Image blobs
- D. DTR configurations

Answer: C

NEW QUESTION 17

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

- A. user
- B. pid
- C. net
- D. mnt

Answer:

A

NEW QUESTION 19

A docker service 'web' is running with a scale factor of 1 (replicas = 1). Bob intends to use the command 'docker service update --replicas=3 web'. Alice intends to use the command 'docker service scale web=3'.

How do the outcomes of these two commands differ?

- A. Bob's command results in an error
- B. Alice's command updates the number of replicas of the 'web' service to 3.
- C. Bob's command only updates the service definition, but no new replicas are started
- D. Alice's command results in the actual scaling up of the 'web' service.
- E. Bob's command updates the number of replicas of the 'web' service to 3. Alice's command results in an error.
- F. Both Bob's and Alice's commands result in exactly the same outcome, which is 3 instances of the 'web' service.

Answer: D

NEW QUESTION 21

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: C

NEW QUESTION 22

Which of the following modes can be used for service discovery of a Docker swarm service (Pick 2 correct answers)

- A. Virtual IP (VIP) with --endpoint-mode vip
- B. Overlay with --endpoint-mode overlay
- C. DNS Round-Robin with --endpoint-mode dnsrr
- D. Ingress with --endpoint-mode ingress
- E. Network Address Translation(NAT) with --endpoint-mode nat

Answer: AC

NEW QUESTION 25

Which of the following constitutes a production-ready devicemapper configuration for the Docker engine?

- A. Create a volume group in devicemapper 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, devicemapper comes ready for production usage out of the box

Answer: C

Explanation:

Explanation

NEW QUESTION 28

Which statement is true about DTR garbage collection?

- A. Garbage collection removes unreferenced image layers from DTR's backend storage.
- B. Garbage collection removes exited containers from cluster nodes.
- C. Garbage collection removes DTR images that are older than a configurable number of days
- D. Garbage collection removes unused volumes from cluster nodes

Answer: A

NEW QUESTION 31

What is the difference between the ADD and COPY dockerfile instructions? (choose 2)

- A. ADD supports compression format handling while COPY does not.
- B. COPY supports regular expression handling while ADD does not.
- C. COPY supports compression format handling while ADD does not.
- D. ADD supports remote URL handling while COPY does not.
- E. ADD supports regular expression handling while COPY does not.

Answer: DE

NEW QUESTION 36

Which of the following is true about overlay networks?

- A. Overlay networks are created only on the manager node that you created the overlay networking on

- B. Overlay networks are created on all cluster nodes when you create the overlay network.
- C. Overlay networks are first created on the manager node
- D. Then they are created on the worker nodes once a task is scheduled on the specific worker node.
- E. Overlay networks are only created on the manager nodes.

Answer: B

Explanation:
Explanation

NEW QUESTION 41

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: A

NEW QUESTION 44

A host machine has four CPUs available and two running containers. The sysadmin would like to assign two CPUs to each container. Which of the following commands achieves this?

- A. Set the '--cpuset-cpu's flag to '1,3' on one container and '2,4' on the other container.
- B. Set the '--cpuset-cpus' flag to '.5' on both containers
- C. Set the '--cpuset-cpus' flag of the 'dockerd' process to the value 'even-spread'
- D. Set the '--cpu-quota' flag to '1,3' on one container and '2,4' on the other container.

Answer: B

NEW QUESTION 49

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