

Practice Exam Questions



DCA

Docker Certified Associate



EXAMAIDES

PASS YOUR EXAM AT FIRST TRY

Total Question: 241 QAs

Question No: 1

The following health check exists in a Dockerfile:

```
HEALTHCHECK
```

```
CMD curl --fail http://localhost/health || exit 1
```

Which of the following describes its purpose?

- A. Defines the action taken when container health fails, which in this case will kill the container with exit status 1
- B. Defines the health check endpoint on the localhost interface for external monitoring tools to monitor the health of the docker engine.
- C. Defines the health check endpoint on the local host interface for containers to monitor the health of the docker engine.
- D. Defines the health check for the containerized application so that the application health can be monitored by the Docker engine

Answer: A

Question No: 2

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

Question No: 3

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

Question No: 4

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: D

Question No: 5

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

Question No: 6

What is the docker command to setup a swarm?

- A. docker swarm init
- B. docker swarm create
- C. docker init swarm
- D. docker create swarm

Answer: A

Question No: 7

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: A,E

Question No: 8

What is the recommended way to configure the daemon flags and environment variables for your Docker daemon in a platform independent way?

- A. Set the configuration options using the ENV variable
- B. Set the configuration options in '/etc/docker/daemon.json'
- C. Set the configuration DOCKER_OPTS in '/etc/default/docker'
- D. Using 'docker config' to set the configuration options.

Answer: B

Question No: 9

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: A

Question No: 10

From a DevOps process standpoint, it is best practice to keep changes to an application in version control. Which of the following will allow changes to a docker Image to be stored in a version control system?

- A. docker commit
- B. docker save
- C. A docker-compose.yml file
- D. A dockerfile

Answer: A

Question No: 11

Which of these swarm manager configurations will cause the cluster to be in a lost quorum state?

- A. 4 managers of which 2 are healthy
- B. 1 manager of which 1 is healthy
- C. 3 managers of which 2 are healthy
- D. 5 managers of which 3 are healthy

Answer: A

Question No: 12

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', docker port'
- C. 'docker info', 'docker network inspect'
- D. 'docker network inspect', 'docker port'

Answer: B

Question No: 13

When seven managers are in a swarm cluster how would they be distributed across three datacenters or availability zones?

- A. 5-1-1
- B. 3-2-2
- C. 3-3-1
- D. 4-2-1

Answer: B

Question No: 14

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

Question No: 15

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: B,E

Question No: 16

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: A

Question No: 17

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

Question No: 18

How do you configure Docker engine to use a registry that is not configured with TLS certificates from a trusted CA?

- A. Set IGNORE_TLS in the 'daemon.json' configuration file.
- B. Set and export the IGNORE_TLS environment variable on the command line
- C. Set INSECURE_REGISTRY in the '/etc/docker/default' configuration file
- D. Pass the '--insecure.-registry' flag to the daemon at run time

Answer: D

Question No: 19

An application image runs in multiple environments, and each environment uses different certificates and ports, what is the best practice to deploy the containers?

- A. Create a Dockerfile for each environment, specifying ports and ENV variables for certificates.
- B. Create a Dockerfile for each environment, specifying ports and Docker secrets for certificates.
- C. Create images that contain the specific configuration for every environment.
- D. Create a config file for each environment.