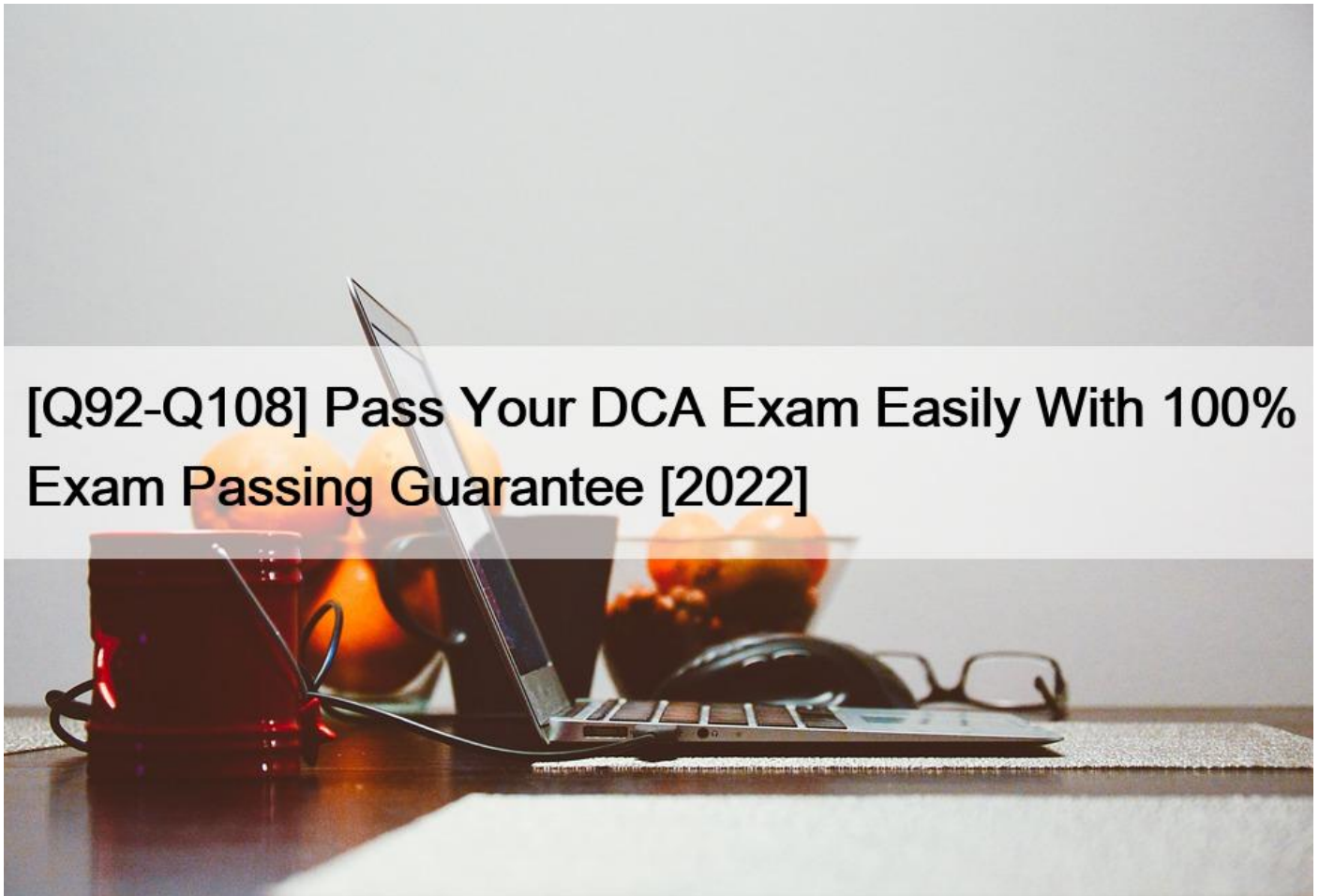


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Topics of Docker Certified Associate Exam

Candidates should apprehend the examination topics before they begin of preparation.

Our **DCA exam dumps** will include the following topics:

Lesson 01 - Introduction

- Docker Architecture Container Format- Images And Containers- Docker Ecosystem- Docker Architecture InAction

Lesson 02 - Understanding Docker

- End of Module- Multiple Containers- Stats Inspect- Deploy, Login, Exit Container- List,Start, Stop Restart Containers- Containers on Filesystem- Docker On Linux Platform

Lesson 03 - Docker CE on Linux Platform

- Remove Networks- Exercise: Use Custom Networks- Create New Networks- Introduction to Overlay Network- Multiple Networks In Container

Lesson 04 - Docker Networking

- Selecting Storage Driver- Docker Images: Recap- Docker Images CLI Commands: Contd- Build Image using Dockerfile-

Docker Images- Docker Volumes- Docker Images CLI Commands- Docker Storage and Volumes- Docker Bind Mounts- Docker tmpfs Mounts

Lesson 06 - Docker Storage and Volumes

- Compose Installation- Docker Compose- Case for Docker Compose- Compose Lab

Lesson 07 - Docker Compose

- Docker Stack- Updates to Services- Managing Swarm Services- Secrets and Overlay Network- Deploy Services to Swarm- Concepts of Swarm

Lesson 08 - Orchestration Docker Swarm

- Access Control- Client Certificate Bundles- External Certificates- Introduction to UCP

Lesson 09 - Universal Control Plane

- Docker Trusted Registry- Backup Swarm UCP DTR- Introduction Deploy DTR- Miscellaneous Topic with DTR

Lesson 10 - Docker Trusted Registry

- Security With MTLS- Logs and Logging Drivers- Docker Security Logs- Docker Content Trust- Security Scanning **NEW**

QUESTION 92

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?

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

NEW QUESTION 93

What is the docker command to setup a swarm?

- * `docker swarm init`
- * `docker swarm create`
- * `docker init swarm`
- * `docker create swarm`

Explanation

<https://docs.docker.com/engine/reference/commandline/swarm/>

NEW QUESTION 94

Does this command display all the pods in the cluster that are labeled as `env: development`?

Solution: `kubectl get pods -l env=development`;

- * Yes
- * No

NEW QUESTION 95

You have just executed `docker swarm leave` on a node. What command can be run on the same node to confirm it has left the cluster?

- * `docker node ls`
- * `docker system info`
- * `docker system status`
- * `docker system status`

NEW QUESTION 96

Is this a Linux kernel namespace that is disabled by default and must be enabled at Docker engine runtime to be used?

Solution: user

- * Yes
- * No

NEW QUESTION 97

After creating a new service named `http`, you notice that the new service is not registering as healthy. How do you view the list of historical tasks for that service by using the command line?

- * `docker inspect http`;
- * `docker service inspect http`;
- * `docker service ps http`;
- * `docker ps http`;

NEW QUESTION 98

You are troubleshooting a Kubernetes deployment called `api`, and want to see the events table for this object. Does this command display it?

Solution: `kubectl describe deployment api`

- * Yes
- * No

NEW QUESTION 99

Is this a type of Linux kernel namespace that provides container isolation?

Solution: Network

- * Yes
- * No

NEW QUESTION 100

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

- * `docker run --del -v /foo busybox`;
- * `docker run --read-only -v /foo busybox`;

- * `docker run --rm -v /foo busybox`;
- * `docker run --remove -v /foo busybox`;

NEW QUESTION 101

You configure a local Docker engine to enforce content trust by setting the environment variable

`DOCKER_CONTENT_TRUST=1`.

If `myorg/myimage: 1.0` is unsigned, does Docker block this command?

Solution: `docker image import <tarball> myorg/myimage:1.0`

- * Yes
- * No

NEW QUESTION 102

What is the purpose of multi-stage builds?

- * Better logical separation of Dockerfile instructions for better readability
- * Optimizing images by copying artifacts selectively from previous stages
- * Better caching when building Docker images
- * Faster image builds by allowing parallel execution of Docker builds

NEW QUESTION 103

What is the purpose of Docker Content Trust?

- * Signing and verification of image tags
- * Enabling mutual TLS between the Docker client and server
- * Docker registry TLS verification and encryption
- * Indicating an image on Docker Hub is an official image

NEW QUESTION 104

You want to provide a configuration file to a container at runtime. Does this set of Kubernetes tools and steps accomplish this?

Solution: Turn the configuration file into a `configMap` object, use it to populate a volume associated with the pod, and mount that file from the volume to the appropriate container and path.

- * Yes
- * No

NEW QUESTION 105

Does this describe the role of Control Groups (cgroups) when used with a Docker container?

Solution: role-based access control to clustered resources

- * Yes
- * No

NEW QUESTION 106

Is this a function of UCP?

Solution: scans images to detect any security vulnerability

- * Yes
- * No

NEW QUESTION 107

One of several containers in a pod is marked as unhealthy after failing its livenessProbe many times. Is this the action taken by the orchestrator to fix the unhealthy container?

Solution: Kubernetes automatically triggers a user-defined script to attempt to fix the unhealthy container.

- * Yes
- * No

NEW QUESTION 108

Will this command display a list of volumes for a specific container?

Solution: `‘docker container inspect nginx’`

- * Yes
- * No

Study resources for the Valid DCA Braindumps: <https://www.validexam.com/DCA-latest-dumps.html>