

Started on	Monday, 17 November 2025, 11:19 AM
State	Finished
Completed on	Monday, 17 November 2025, 11:27 AM
Time taken	7 mins 36 secs
Marks	11.00/12.00
Grade	91.67 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

A container is:

- ☐ a. A physical server in a data center
- ☒ b. A lightweight, isolated runtime environment that shares the host OS kernel
- ☐ c. A type of network switch
- ☐ d. A hypervisor

Question 2

Complete

Mark 1.00 out of 1.00

A key difference between Podman and Docker is that Podman:

- ☐ a. Does not support images
- ☐ b. Requires a central daemon running as root
- ☒ c. Can run containers in a rootless mode without a central daemon
- ☐ d. Only runs on Windows

Question 3

Complete

Mark 1.00 out of 1.00

In a Dockerfile, which instruction is used to specify the base image?

- ☐ a. COPY
- ☐ b. CMD
- ☐ c. RUN
- ☒ d. FROM

Question 4

Complete

Mark 1.00 out of 1.00

In AWS, ECS (Elastic Container Service) is primarily used for:

- ☐ a. Serving DNS
- ☐ b. Managing IAM users
- ☒ c. Orchestrating and running containers at scale
- ☐ d. Managing relational databases

Question 5

Complete

Mark 1.00 out of 1.00

In Kubernetes, a Pod is:

- ☐ a. The cluster's master node
- ☐ b. A built-in load balancer
- ☐ c. Another name for a namespace
- ☒ d. A group of one or more containers that share network and storage

Question 6

Complete

Mark 1.00 out of 1.00

In Kubernetes, a Service is used to:

- ☐ a. Store application logs
- ☒ b. Expose a set of Pods as a stable network endpoint
- ☐ c. Create container images
- ☐ d. Define CPU and memory limits for a Pod

Question 7

Complete

Mark 0.00 out of 1.00

In Kubernetes, which object is typically used to manage scaling and rolling updates of stateless applications?

- ☒ a. PersistentVolume
- ☐ b. Deployment
- ☐ c. Secret
- ☐ d. ConfigMap

Question 8

Complete

Mark 1.00 out of 1.00

To persist data beyond the lifecycle of a container, you typically use:

- ☐ a. Environment variables
- ☐ b. Container logs only
- ☒ c. Docker volumes or bind mounts
- ☐ d. HTTP headers

Question 9

Complete

Mark 1.00 out of 1.00

Which command is used in Docker to start a container from an image?

- ☒ a. docker run
- ☐ b. docker push
- ☐ c. docker build
- ☐ d. docker commit

Question 10

Complete

Mark 1.00 out of 1.00

Which of the following is a container registry where Docker images can be stored and pulled from?

- ☒ a. Docker Hub
- ☐ b. Jenkins
- ☐ c. Ansible Galaxy
- ☐ d. Git

Question 11

Complete

Mark 1.00 out of 1.00

Which scenario most strongly motivates using Kubernetes instead of running single Docker containers on individual servers?

- ☐ a. A static HTML site on one machine
- ☐ b. A database running on bare metal
- ☒ c. A production system running hundreds of containers requiring auto-scaling, self-healing, and rolling updates
- ☐ d. One developer running one container on their laptop

Question 12

Complete

Mark 1.00 out of 1.00

Which statement best describes a Docker image?

- ☐ a. A source control repository
- ☐ b. A running instance of an application
- ☐ c. A virtual machine with its own kernel
- ☒ d. A template that defines the filesystem and configuration for containers