Exercise 1

Introduction to Container Technology

MCQ's

Q1.
Which three of the following Linux features are used for running containers? (Choose three.)

a. Namespaces
b. Integrity Management
c. Security-Enhanced Linux
d. Control Groups

Q2.
Which of the following best describes a container image?

a. A virtual machine image from which a container is created.
b. A file-system bundle that contains all dependencies required to execute the process inside the container.
c. A runtime environment where an application will run.
d. The container's index file used by a registry.

Q3.
Which three of the following components are common across container architecture implementations? (Choose three.)

a. Container runtime
b. Container permissions
c. Container images
d. Container registries

Q4.
What is a container in relation to the Linux kernel?

a. A virtual machine.
b. An isolated process with regulated resource access.
c. A set of file-system layers exposed by UnionFS.
d. An external service providing container images.

Q5.
Which of the following are Podman features (Choose two.)

a. Manage operating system configuration and permissions to execute virtual machines.
b. Manage containers, container images and interact with registries.
c. Execute a daemon on the local machine to run containers.
d. Podman uses the same command patterns as Docker.

Q6.
What are two advantages of using containers? (Choose two)

a. Faster program execution
b. Stable development target
c. Ease of testing and deployment
d. Fully virtualized environment

Q7.
Which organization directly governs the standards for containerization?

a. Docker
b. Red Hat
c. Open Container Initiative
d. Linux Foundation

Q8.
True or false? A virtual machine most often has a smaller footprint compared to a container.

a. True
b. False

Solutions

Q1. a,c,d

Q2. b

Q3. a,c,d

Q4. b

Q5. b,d

Q6. b,c

Q7. c

Q8. b