EX188 EXAM DUMP

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Question-1.

Running Simple Containers

<Some Big Scenario>

Tasks

Start a container with the defined parameters like image name, container name, ports, detached mode (-d) and volumes (-v).

Test work

1. With the container running browse to http://desktop:8001 and you should see an output in your browser like:
   “Welcome in Podman”

Question2.

Interacting with Running Containers

<Some Big Scenario>

Tasks

1. Start a container with the defined parameters like image name, container name, ports, detached mode (-d) and volumes (-v).
2. You will be asked to copy some files from local storage to inside the container
3. Execute the command nginx -s reload inside the running container

Test work

1. After copying the files
   You should see in your browser
   "Welcome to ACME Corporation"

Question3.

Injecting Variables into Containers

<Some Big Scenario>

Tasks

1. Create 2 containers with a given image
2. Pass environment variables as given in question (using -e option)
3. Attach ports according to question.

Test work

1. Browse to http://desktop:8080
   If the container is running properly, you should see in your browser the message:
   "ACME_Container_1"

2. Now run the container acme-demo-runtime_2 and the browser should display:
   "ACME_Container_2"

Question 4.

Build and Manage Container Images

<Some Big Scenario>

Tasks

(There will be total 2 Containerfiles that need to be modified as asked in the question)

Update Containerfiles add the given instructions.

1. Accepts 2 build arguments
   Ex. DB_ROOT_PASSWORD
2. Other things like copy a file etc.

Build Image with parameters like:
Ex. DB_ROOT_PASSWORD -> acme

Push the image to a given registry server.

Test work

Test both images by creating containers using them to verify proper build.

Question 5.

Run and Manage Multi-Container Applications

<Some Big Scenario>

Tasks

1. You will be asked to create some volumes and networks.
2. Then start 3 container which will use those networks and volumes and other parameters like ports and images will be given.

Test work

1. Start all the application containers as indicated.
2. When they are all running and healthy, browse to http://desktop:8003 and verify that you can see content

Question 6.

Troubleshot Containers

<Some Big Scenario>

Tasks

1. You will be asked to create some volumes and networks.
2. Then start 3 container which will use those networks and volumes and other parameters like ports and images will be given.
3. Here the challenge is that something will be broken or mismatched between these 3 containers and you are to find those problems and resolve them to make them all work fine.

Test work by doing the following

Identity the problem or problems with each container. Apply the solution to run the containers properly using the command line. Ones stack is up you can go to browser to see output at “ACME is Fixed”