Introduction - 5

The interaction between the Docker client and Docker server takes place through what method or protocol?

**via REST APIs**

IPC communication

Message passing

None of the above

What is the main function of cgroups?

For container isolation

**Limit the resources within a container**

Process isolation

All of the above

What are Linux Namespaces?

**Linux namespaces refer to a feature that allows the isolation of resources within a Linux system**

Linux namespaces refers to resource quotas within a Linux system

Linux namespace are responsible components for storage management within a Linux system

None of the above

Which of the following is not a container runtime software?

docker

podman

cri-o

**kaniko**

What is a primary responsibility of containerd in Docker?

**containerd is responsible for managing the lifecycle of containers**

containerd is responsible for managing the lifecycle of Images

containerd is responsible for managing the lifecycle of volumes

containerd is responsible for managing the lifecycle of all Docker objects including images, containers, volumes and networks

Docker Installation - 5

What command can be used to determine the space usage occupied by Docker entities such as images, containers, and volumes?

docker system info

docker top

docker stats

**docker system df**

Which Docker command provides comprehensive system-wide Docker information?

docker status

docker status

**docker system info**

docker top

Which is the default home directory for Docker?

/var//docker

**/var/lib/docker**

/etc/docker

/home/docker

Docker Desktop can be installed only of Linux?

True

**False**

Name a fundamental tool within Docker used to interface with the Docker daemon

dockerd CLI

**docker CLI**

conatinerd CLI

runc CLI

Images - 5

What command is used to delete an image in Docker?

docker remove image

docker image delete

docker delete image

**docker image rm**

Each container in Docker shares a common writable layer**?**

**True**

False

What command is used to display the list of Docker images stored locally?

docker image ps

**docker image ls**

docker image show

docker image

What command is used in the CLI to search for images on Docker Hub?

docker image

**docker search**

docker image find

CLI cannot be used to find the images from remote registry

What is the role of tags in container images?

Tags are used to load images

**Tags in container images identify different versions or configurations**

Tags are used to refer container names

None of the above

Containers - 5

Which option in "docker container run" allows users to specify a container name?

**--name**

--hostname

--containername

Docker just allow to have random names

What is the preferred method for deleting a Docker container?

Remove with force

**Stop and Remove**

Delete an Image first

All of the Above

How to rename the container name in docker?

docker container rename <newname>

docker container rename <oldname>

**docker container rename <oldname> <newname>**

docker container rename <newname> <oldname>

What does the Docker container create command do?

**Only creates a container without starting it**

Is a replacement of docker run command

Create and Start a container

Not a valid option

How does one recognize container failures?

docker container stats

docker container top

docker container logs

docker container wait

Dockerfile -5

What command allows users to view the layers of a Docker image?

**docker history**

docker system info

docker inspect image-id

docker system

What is a Dockerfile?

A file to automate container creation process

Any folder or document to run Docker commands

**A template used to describe the build of an image**

N​one of the above

Which of the following definitions best describes a Container Registry?

A Chatbot to create container images

**A downloadable repository of pre-configured container images**

A Service desk for users

A playground to test container images

Dockerfile consists of?

Instructions

Arguments

**Instructions and Arguments**

Nothing

Do Docker containers each share a common writable layer?

True

**False**

Networking - 5

Docker Engine does not create a default network called?

Bridge

None

**Overlay**

Host

How can you verify the CIDR block (subnet) associated with a network?

docker network ls

**docker network inspect**

docker container inspect

docker info

What Docker command is used to attach a running container to an existing user-defined bridge network?

docker network add

**docker network connect**

docker network attach

docker network create

Which Docker network driver provides the highest level of isolation?

Bridge

**None**

User-defined Network

Host

Which Docker network driver allows containers to communicate directly with the host network stack?

**Host**

Bridge

Overlay

macvlan

Volumes – 5

Which type of Docker volume is not persisted beyond the lifetime of a container?

Bind mounts

Named volumes

**Anonymous volumes**

All of the above

What is the preferred method for removing a volume?

docker volume prune

**docker volume rm**

docker volume delete

None of the above

What command is used to create a volume in Docker?

docker volume build

**docker volume create**

docker volume make

docker volume list

Which option below will display the volumes linked to a particular container?

**docker container inspect <container-name>**

docker volume inspect <container-name>

docker volume inspect <volume-name>

docker system info

What is the default location on the Docker host where named volumes are stored?

/opt/docker/volumes

**/var/lib/docker/volumes**

/usr/local/docker/volumes

/home/docker/volumes

Containerizing Applications - 3

Which Docker command is used to push an image to a registry?

docker image pull

docker image commit

docker image list

**docker image push**

Which of the following command is utilized to bind an image with a repository during the build time?

**docker image build -t REGISTRY/REPOSITORY:TAG**

docker image tag IMAGE\_ID IMAGENAME

docker container commit CONTAINER\_ID IMAGENAME

None of the above

Which Docker command removes all stopped or unused Docker objects?  
**docker system prune**

docker container prune

docker objects prune

docker image prune

Compose - 5

Which command in compose will stop and delete a running compose application?

docker-compose stop

docker-compose rm

**docker-compose down**

docker-compose delete

Which file defines the services, networks, and volumes for Docker Compose?

docker.yml

**docker-compose.yml**

compose.yml

compose-docker.yml

**Which Docker Compose command shows the current status of running services defined in the docker-compose.yml file?**

docker compose ps

docker compose status

**docker-compose ps**

docker-compose status

Which option is used to run Docker Compose in detached mode (in the background)?

**-d**

-V

-t

None of the above

Which Docker Compose command is used to view the logs of services defined in the docker-compose.yml file?

docker-compose events

docker-compose view

**docker-compose logs**

docker-compose errors