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Working with Containers - Quiz Quiz

Topic : Working with Containers

Subtopic : Introduction to Infrastructure Automation :

Which of the following statement(s) is/are correct for infrastructure automation?

Choose most appropriate option.

It is used to manage system configurations

The code written for infrastructure automation is version control and tested

It is used to provision infrastructure

It can be used for deployment of the applications

All of the above

**The correct answer is All of the above.**

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Topic : Working with Containers

Subtopic : Introduction to Infrastructure Automation :

Which of the following statements is correct for Immutable infrastructure?

Choose most appropriate option.

An infrastructure once deployed is never modified

Infrastructure will be continually updated or changed to meet the ongoing needs of the purpose it serves

Uses a convergent model of configuration

Chef,Puppet,Ansible are examples of immutable infrastructure

**The correct answer is An infrastructure once deployed is never modified.**

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Topic : Working with Containers

Subtopic : Introduction to Infrastructure Automation :

Which of the following statements is correct to distinguish between virtual machines and containers?

Choose most appropriate option.

Virtual machines represents operating system virtualization and containers represent only hardware-level virtualization

Virtual machines are lightweight while containers are heavyweight

Virtual machines can be provisioned quickly and easy to scale while containers are provisioned slowly and not scalable

Virtual machines provide full isolation from other virtual machines while containers provide process-level isolation

**The correct answer is Virtual machines provide full isolation from other virtual machines while containers provide process-level isolation.**

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Topic : Working with Containers

Subtopic : Introduction to Infrastructure Automation :

Which of the following statement(s) is/are correct for Infrastructure as Code (IaC)?

Choose most appropriate option.

Manage configurations

Automate provisioning of infrastructure

Assist deployment

All of the above

**The correct answer is All of the above.**

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Topic : Working with Containers

Subtopic : Introduction to Docker

Which of the following statement(s) is/are correct for Docker?

Choose most appropriate option.

Docker is an open platform for developing, shipping, and running applications

Docker enables separation of applications from infrastructure so you can deliver software quickly

With Docker, you can manage infrastructure in the same ways as managing applications

Docker ensures your applications and resources are isolated and segregated in an environment called containers

All of the above statements are correct

**The correct answer is All of the above statements are correct.**

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Topic : Working with Containers

Subtopic : Introduction to Docker :

Which of the following provides the cloud based registry capabilities for hosting private and public content?

Choose most appropriate option.

Docker container

Docker image

Docker hub

Docker machine

**The correct answer is Docker hub.**

.

Topic : Working with Containers

Subtopic : Introduction to Docker :

Which tool is used for defining and running multi container applications?

Choose most appropriate option.

Docker container

Docker machine

Docker Swarm

Docker compose

**The correct answer is Docker compose.**

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Topic : Working with Containers

Subtopic : Introduction to Docker :

Which of the following is/are the advantage(s) of using Docker?

Choose most appropriate option.

Fast and Consistent Delivery

Responsive deployment and scaling

Running more workloads on the same hardware

All of the above

**The correct answer is All of the above.**

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Topic : Working with Containers

Subtopic : Docker Architecture :

Which of the following is/are the functionality/functionalities of Docker Daemon?

Choose most appropriate option.

Takes Docker API requests

Manages Docker objects such as images, containers, networks, and volumes

Communicates with other daemons to manage Docker devices

All of the above

**The correct answer is All of the above.**

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Topic : Working with Containers

Subtopic : Docker Architecture :

Which of the following statements is correct for Docker Architecture?

Choose most appropriate option.

Docker is not a client-server architecture.

Docker daemon builds, runs, and distributes Docker containers.

The Docker client and daemon cannot run on the same system or remotely.

The Docker client and daemon communicate through pipes.

**The correct answer is Docker daemon builds, runs, and distributes Docker containers..**

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Topic : Working with Containers

Subtopic : Docker Architecture :

Which of the command helps to verify the installation of docker on the machine?

Choose most appropriate option.

sudo docker version

docker history

docker ps

docker ls

**The correct answer is sudo docker version.**

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Topic : Working with Containers

Subtopic : Docker Architecture :

Which of the following is/are correct statement(s) for Docker?

Choose most appropriate option.

Images are the blueprints of our application which forms the basis of containers

Containers created from docker images and run the actual application.

Docker Daemon is the background service running on the host that manages building, running and distributing Docker containers.

Docker Client is the command line tool that allows the user to interact with the daemon.

All the above statements.

**The correct answer is All the above statements..**

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Topic : Working with Containers

Subtopic : Working with Images and Containers :

For the following command: docker run -d -P --name myimage abc/alpine-apache Which of the following option is correct? Choose most appropriate option.

a. -d will run the container in background b. -P print the ports of a container c. --name corresponds to a name to give to the container

a. -d will delete the container b. -P publish the container c. --name corresponds to a name to give to the container

a. -d will run the container in background b. -P publish all exposed ports to random ports c. --name corresponds to a name to give to the container

a. -d will delete the container b. -P is used to print the container c. --name corresponds to a name to give to the container

**The correct answer is a. -d will run the container in background b. -P publish all exposed ports to random ports c. --name corresponds to a name to give to the container.**

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Topic : Working with Containers

Subtopic : Working with Images and Containers :

Which of the following command removes the docker image and its dependencies?

Choose most appropriate option.

docker rm containerid

docker rm `docker ps -a -q`

docker rmi imagename

docker delete imagename

**The correct answer is docker rmi imagename.**

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Topic : Working with Containers

Subtopic : Working with Images and Containers :

Which of the following command list the changed files and directories in a containers filesystem since the container was created?

Choose most appropriate option.

docker inspect

docker diff

docker logs

docker stats

**The correct answer is docker diff.**

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Topic : Working with Containers

Subtopic : Working with Images and Containers :

For the following command: docker run -i -t --rm ubuntu /bin/bash Which of the following option is correct?

Choose most appropriate option.

a.-t flag assigns a pseudo-tty or terminal inside the new container. b.-i flag allows to make an interactive connection by grabbing the standard input (STDIN) of the container. c.--rm flag to automatically remove the container when the process exits.

a.-t flag is used to terminate the container b.-i flag allows to make an interactive connection by grabbing the standard input (STDIN) of the container. c.--rm flag to automatically remove the container when the process exits

docker run command is used to create a docker image

None of the above are correct

**The correct answer is a.-t flag assigns a pseudo-tty or terminal inside the new container. b.-i flag allows to make an interactive connection by grabbing the standard input (STDIN) of the container. c.--rm flag to automatically remove the container when the process exits..**

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Topic : Working with Containers

Subtopic : Managing docker Images :

Which of the following command executes a command in a container?

Choose most appropriate option.

docker commit

docker exec

docker load

docker import

**The correct answer is docker exec.**

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Topic : Working with Containers

Subtopic : Managing docker Images :

Which of the following option is correct for the command : docker build -t myimage:latest ?

Choose most appropriate option.

-t is used for attaching a terminal

-t is used to trim down the image

-t is used to tag the image

none of the options are correct

**The correct answer is -t is used to tag the image.**

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Topic : Working with Containers

Subtopic : Managing docker Images :

For a given Dockerfile FROM busybox MAINTAINER name ENTRYPOINT ["/bin/echo", "Hello"] CMD ["world"] What will be the output after executing docker run -it imagename ? Choose most appropriate option.

Hello

world

Helloworld

worldHello

**The correct answer is Helloworld.**

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Topic : Working with Containers

Subtopic : Managing docker Images :

 Which of the following statement is correct for RUN instruction?

Choose most appropriate option.

It allows to install applications and packages

It executes any commands on top of the current image and creates a new layer by committing the results

There can be multiple RUN instructions in a Dockerfile

All the above statements are correct

**The correct answer is All the above statements are correct.**

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