

#### Question 1: Correct

Which one of the following commands will show a list of volumes for a specific container?

| O 'docker container logs nginxvolumes' |           |
|--|-----------|
| 'docker container inspect nginx'       | (Correct) |
| O 'docker volume inspect nginx'        |           |
| O 'docker volume logs nginxcontainers' |           |

#### Question 2: Correct

What behavior is expected when a service is created with the following command:

docker service create --publish 8000:80 nginx



All nodes in the cluster will listen on port 8080 and forward to port 80 in the container.

(Correct)

| stion 3: <b>Correct</b><br>ch of the following constitutes a production-ready dev<br>the Docker   | vicemapper configuration |
|---|--------------------------|
| Create a volume group in devicemapper and utilize the daemon option, specifying the volume group  | 'dm.thinpooldev' Docker  |
| Format a partition with xfs and mount it at '/var/lib/doo   | ker'                     |
| <ul> <li>Utilize the 'storage-opt dm.directlvm_device' Docker d option, specifying a block device</li> </ul>                              | aemon (Correct)          |
| Nothing, devicemapper comes ready for production usa  | age out of the box       |
| nich one of the following commands will result in the vo<br>tomatically once the container has exited?  O 'docker rundel -v /foo busybox' | olume being removed      |
| O 'docker runread-only -v /foo busybox'   |                          |
| (docker runrm -v /foo busybox)  | (Correct)                |
|   |                          |

#### Question 5: Correct

A container named "analytics" that stores results in a volume called "data" was created.

docker run -d --name=analytics -v data:/data app1

How are the results accessed in "data" with another container called "app2"?

O docker run -d -name=reports -volume=data app2

odcker run -d -name=reports -volumes-from=analytics app2 (Correct)

O docker run -d --name=reports --volume=app1 app2

O docker run -d --name=reports --mount=app1 app2

#### Ouestion 6: Correct

A server is running low on disk space. What command can be used to check the disk usage of images, containers, and volumes for Docker engine?

(Correct)

O docker system prune'

O docker system free'

O 'docker system ps

# Question 7: Correct Which of the following are types of namespaces used by Docker to provide isolation? (Choose 2.) Host Network (Correct) Process ID (Correct) Authentication Question 8: Correct Which of the following namespaces is disabled by default and must be enabled at Docker engine runtime in order to be used? user (Correct) O pid net ) O mnt

#### Question 9: Correct

Which of the following statements is true about secrets?

| 0           | Secrets can be created from any node in the cluster.   |                 |
|-------------|--|-----------------|
| 0           | Secrets can be modified after they are created.  |                 |
| 0           | Secret are stored unencrypted on manager nodes.  |                 |
| 0           | Secrets can be created using standard input (STDIN) and a file.  | (Correct)       |
|             |  |                 |
|             |  |                 |
|             | tion 10: Correct   |                 |
| ues         | nion 10. dollect   |                 |
| ollo        | wing the principle of least privilege, which of the following methods to securely grant access to the specific user to communicate to a Defee? (Choose two.)   |                 |
| ollo<br>sed | wing the principle of least privilege, which of the following methods to securely grant access to the specific user to communicate to a De   | ocker           |
| ollo<br>sed | wing the principle of least privilege, which of the following methods to securely grant access to the specific user to communicate to a Done? (Choose two.)  Give the user root access to the server to allow them to run Docker com   | ocker           |
| ollo<br>sed | wing the principle of least privilege, which of the following methods to securely grant access to the specific user to communicate to a Dene? (Choose two.)  Give the user root access to the server to allow them to run Docker com as root.  Add the user to the 'docker' group on the server or specify the groue   | mands (Correct) |
| ollo<br>sed | wing the principle of least privilege, which of the following methods to securely grant access to the specific user to communicate to a Dene? (Choose two.)  Give the user root access to the server to allow them to run Docker com as root.  Add the user to the 'docker' group on the server or specify the groue with the 'group' Docker daemon option.  Utilize the 'host 127.0.0.1:2375' option to the Docker daemon to listen of the server of the server of the group' Docker daemon option. | mands (Correct) |

Timori or the renering etaternerite to trae about econote.

| 0   | Collect net   |
|-----|---|
| 0   | Limit CPU usage within a container (Correct)  |
| 0   | Isolate processes in a container  |
|     |   |
| ues | tion 12: Correct  |
| hat | is the purpose of a client bundle in the Universal Control Plane?   |
| 0   | Authenticate a user using client certificates to the Universal Control Plane (Correct)  |
|     |   |
| 0   | Provide a new user instructions for how to login to the Universal Control Plane   |
| 0   | Provide a new user instructions for how to login to the Universal Control Plane  Provide a user with a Docker client binary compatible with the Universal Control Plane |
| 0   | Provide a user with a Docker client binary compatible with the Universal Control  |

O docker service create -network <network-name> -secure <service-name>

| O a           | ocker network create -d overlay –secure <network-name></network-name>   |           |
|---------------|---|-----------|
| (a)           | ocker network create -d overlay -o encrypted=true <network-name></network-name>   | (Correct) |
| O d           | ocker service create –network <network-name> –encrypted <service-< td=""><td>name&gt;</td></service-<></network-name>   | name>     |
|               |   |           |
| Questic       | on 14: Correct  |           |
|               | s command ensure that overlay traffic between service tasks is e<br>network create -d overlay -o encrypted=true <network-nam< td=""><td></td></network-nam<>              |           |
| Ye            | ès  | (Correct) |
| ON            | 0   |           |
| Which contain | on 15: <b>Correct</b> of the following is true about using the '-P' option when creating a er?  ocker binds each exposed container port to a random port on a specterface |           |
| O D           | ocker gives extended privileges to the container.   |           |
| 7.695.1       | ocker binds each exposed container port to a random port on all   |           |
| e th          | e host's interface  | (Correct) |

| hat is used by the kernel to Isolate resources when running Docker co  |                |
|--|----------------|
| Namespaces   | (Correct)      |
| O Volumes  |                |
| O Control groups (also know as cgroups)  |                |
| uestion 17: Correct  |                |
|  |                |
|  | у              |
| hat is the purpose of multi-stage builds?  | y<br>(Correct) |
| hat is the purpose of multi-stage builds?  Better logical separation of Dockerfile instructions for better readability  Optimizing images by copying artifacts selectively from previous |                |

## Question 18: Correct

When seven managers are in a swarm cluster how would they be distributed across

| <b>)</b> 5-1-1   |           |
|--|-----------|
| 3-2-2  | (Correct) |
| <b>)</b> 3-3-1   |           |
|  |           |
|  |           |
|  |           |
| stion 19: Correct  |           |
| have deployed a service to swarm. Which con  |           |
| ı have deployed a service to swarm. Which con  |           |
| have deployed a service to swarm. Which connumber of tasks of the services to 5? (choose   | 2)        |
| have deployed a service to swarm. Which connumber of tasks of the services to 5? (choose 'docker service update -replicas=5 < service-id>  'docker replica update < service-id>=5' | 2)        |
| have deployed a service to swarm. Which connumber of tasks of the services to 5? (choose 'docker service updatereplicas=5 <-service-id>  | 2)        |
| have deployed a service to swarm. Which connumber of tasks of the services to 5? (choose 'docker service updatereplicas=5 <-service-id>  'docker replica update <-service-id>=5'   | 2)        |

| O Tag the image with 'nginx:immutable'  |                         |                               |
|---|-------------------------|-------------------------------|
| Remove push access from all other us  | sers.                   |                               |
| Use the DTR web UI to make the tag in   | nmutable.               | (Correct)                     |
| Keep a backup copy of the image on a  | nother repository       |                               |
|   |                         |                               |
| uestion 21: <b>Correct</b><br>hich of the following is NOT backed up to<br>peration?  | when performing a Docke | er Trusted backı              |
| hich of the following is NOT backed up  | when performing a Docke | er Trusted backu              |
| hich of the following is NOT backed up operation?                                     | when performing a Docke | er Trusted backu<br>(Correct) |
| hich of the following is NOT backed up operation?  Access control to repos and images | when performing a Docke |                               |

## Question 22: Incorrect

The Kubernetes yaml shown below describes a networkPolicy

```
apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
name: test-network-policy
namespace: default
spec:
```

```
matchLabels:

matchLabels:

tier: backend

ingress:

from:

podSelector:

matchLabels:

tier: api
```

Will the networkPolicy BLOCK the following traffic?

a request issued from a pod bearing the tier: backend label, to a pod bearing the tier: frontend label



#### Question 23: Incorrect

The Kubernetes yaml shown below describes a networkPolicy

```
apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
name: test-network-policy
namespace: default
spec:
podSelector:
matchLabels:
tier: backend
ingress:
-from:
podSelector:
matchLabels:
tier: api
```

Will the networkPolicy BLOCK the following traffic?

a request issued from a pod lacking the tier: api label, to a pod bearing the tier: backend label



#### Question 24: Correct

Are these conditions sufficient for Kubernetes to dynamically provision a persistentVolume, assuming there are no limitations on the amount and type of available external storage?

Condition: A default provisioner is specified, and subsequently a persistentVolumeClaim is created

| O Yes |           |
|-------|-----------|
| No    | (Correct) |

#### Ouestion 25: Correct

Are these conditions sufficient for Kubernetes to dynamically provision a persistentVolume, assuming there are no limitations on the amount and type of available external storage?

Condition: A default storageClass is specified, and subsequently a persistentVolumeClaim is created.

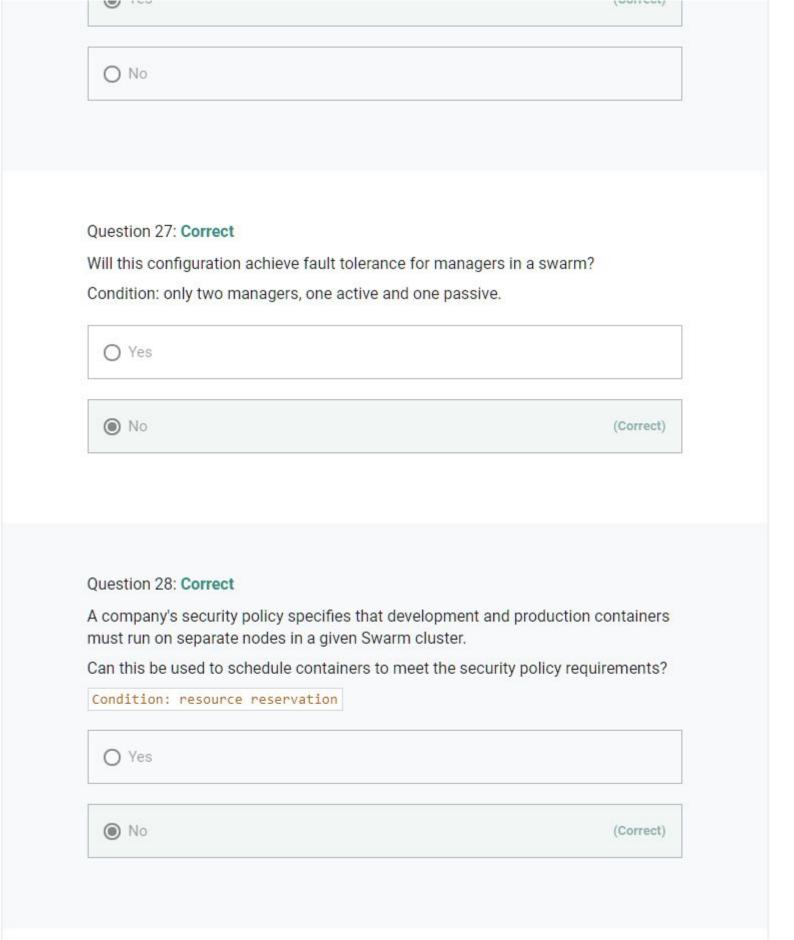
| Yes  | (Correct) |
|------|-----------|
| O No |           |

#### Question 26: Correct

Will this configuration achieve fault tolerance for managers in a swarm?

Condition: an odd number of manager nodes, totaling more than two



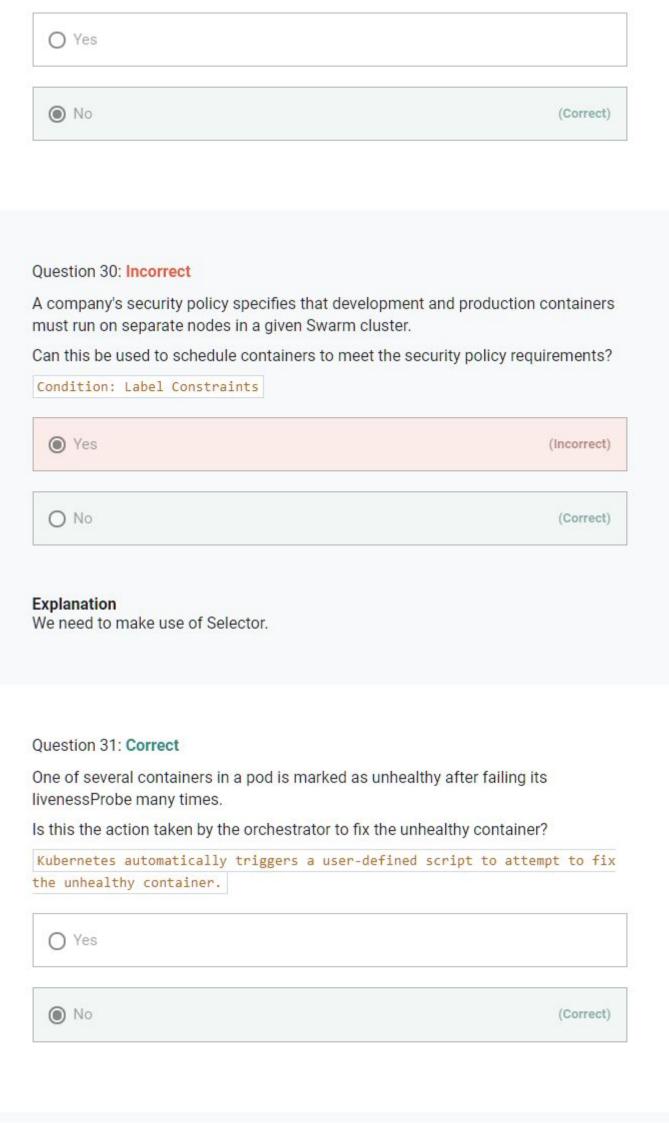


#### Question 29: Correct

A company's security policy specifies that development and production containers must run on separate nodes in a given Swarm cluster.

Can this be used to schedule containers to meet the security policy requirements?

Condition: Node Taints



#### Question 32: Incorrect

One of several containers in a pod is marked as unhealthy after failing its livenessProbe many times.

Is this the action taken by the orchestrator to fix the unhealthy container?

The unhealthy container is restarted

(Incorrect)

No

(Correct)

#### Question 33: Incorrect

Can this set of commands identify the published port(s) for a container?

O Yes (Correct)

No (Incorrect)

#### Question 34: Incorrect

Two development teams in your organization use Kubernetes and want to deploy their applications while ensuring that Kubernetes-specific resources, such as secrets, are grouped together for each application.

Is this a way to accomplish this?

Create one pod and add all the resources needed for each application



#### Ouestion 35: Correct

Two development teams in your organization use Kubernetes and want to deploy their applications while ensuring that Kubernetes-specific resources, such as secrets, are grouped together for each application.

Is this a way to accomplish this?

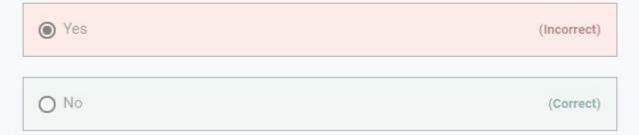
| Add all the resources to the default namespace. |           |
|---|-----------|
| O Yes   |           |
| No  | (Correct) |

#### Question 36: Incorrect

Seven managers are in a swarm cluster.

Is this how should they be distributed across three data centers or availability zones?

3-3-1



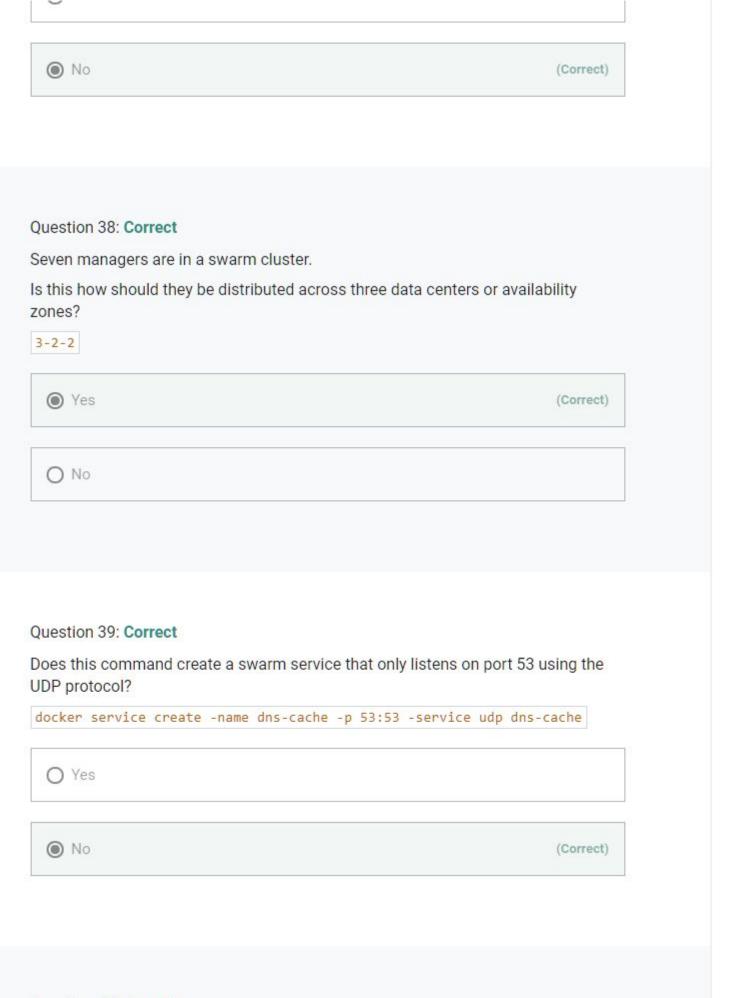
#### Question 37: Correct

Seven managers are in a swarm cluster.

Is this how should they be distributed across three data centers or availability zones?

5-1-1

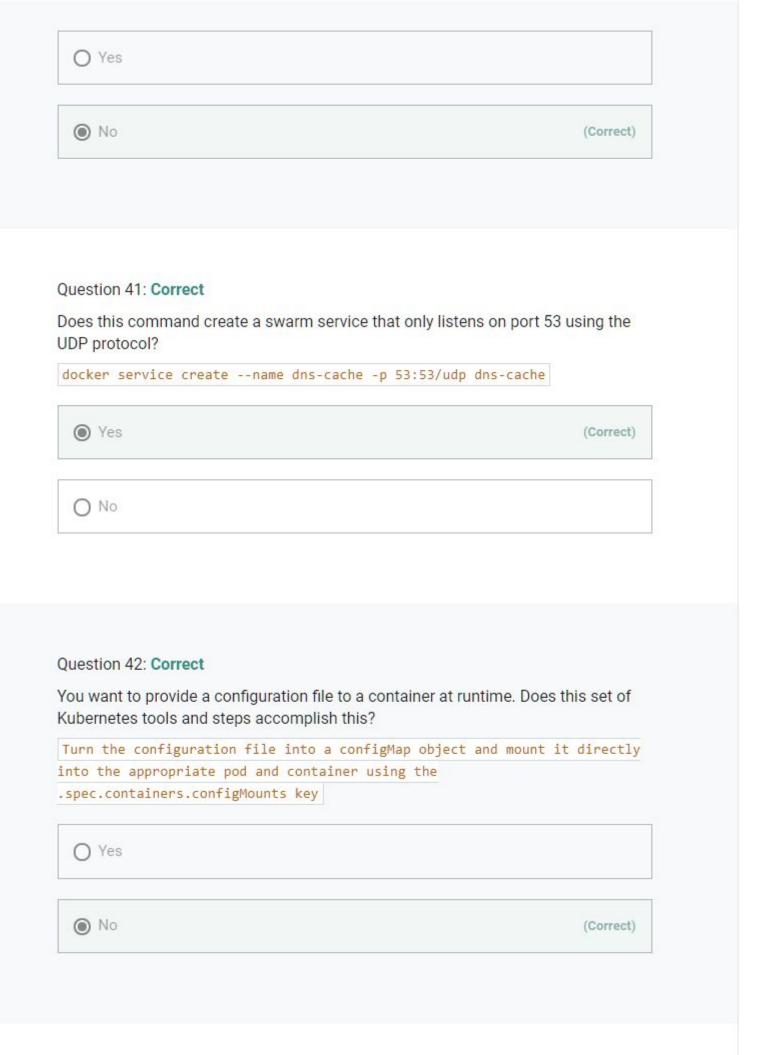




#### Question 40: Correct

Does this command create a swarm service that only listens on port 53 using the UDP protocol?

docker service create -name dns-cache -p 53:53 -service udp dns-cache

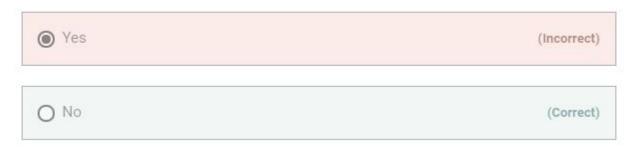


#### Question 43: Incorrect

You want to provide a configuration file to a container at runtime. Does this set of

Kubernetes tools and steps accomplish this?

Mount the configuration file directly into the appropriate pod and container using the .spec.containers.configMounts key



#### Question 44: Correct

You want to provide a configuration file to a container at runtime. Does this set of Kubernetes tools and steps accomplish this?

Turn the configuration file into a configMap object, use it to populate a volume associated with the pod, and mount that file from the volume to the appropriate container and path.



#### Explanation

Example Snippet:

```
apiVersion: v1
kind: Pod
metadata:
 name: dapi-test-pod
spec:
  containers:
    - name: test-container
      image: k8s.gcr.io/busybox
     command: [ "/bin/sh", "-c", "ls /etc/config/" ]
      volumeMounts:
      - name: config-volume
        mountPath: /etc/config
  volumes:
    - name: config-volume
      configMap:
        name: special-config
  restartPolicy: Never
```

| Question 45: Correct   |                                 |
|--|---------------------------------|
| Will this command mount the host's '/data' directory to only mode? | o the ubuntu container in read- |
| docker runadd-volume /data /mydata -read-onl                       | y ubuntu                        |
| O Yes  |                                 |
| No   | (Correct)                       |
|  |                                 |
| Question 46: Correct   |                                 |
| Will this command mount the host's '/data' directory to only mode? | o the ubuntu container in read- |
| docker runvolume /data:/mydata:ro ubuntu                           |                                 |
| Yes  | (Correct)                       |
| O No   |                                 |
|  |                                 |
|  |                                 |
| Question 47: Correct   |                                 |
| Will this command mount the host's '/data' directory to only mode? | o the ubuntu container in read- |
| docker run -v /data:/mydatamode readonly ubu                       | ntu                             |
| O Yes  |                                 |
|  | (0                              |

#### Question 48: Correct

| TH | ne i | following | Docker | Compose | file is depl | oved as | a stack  |
|----|------|-----------|--------|---------|--------------|---------|----------|
|    | 10   | TOHOWING  | DOCKE  | Compose | THE TO GEDT  | oycu ac | a stack. |

```
healthcheck: "curl --fail http://localhost/healthz | exit 1"
interval: 10s
timeout: 5s
retries: 3s
```

#### Is this statement correct about this health check definition?

Health checks test for app health ten seconds apart. Three failed health checks transition the container into "unhealthy" status.

| Yes  | (Correct) |
|------|-----------|
| O No |           |

#### Question 49: Correct

The following Docker Compose file is deployed as a stack:

```
healthcheck: "curl --fail http://localhost/healthz || exit 1" interval: 10s timeout: 5s retries: 3s
```

#### Is this statement correct about this health check definition?

Health checks test for app health ten seconds apart. If the test fails, the container will be restarted three times before it gets rescheduled.

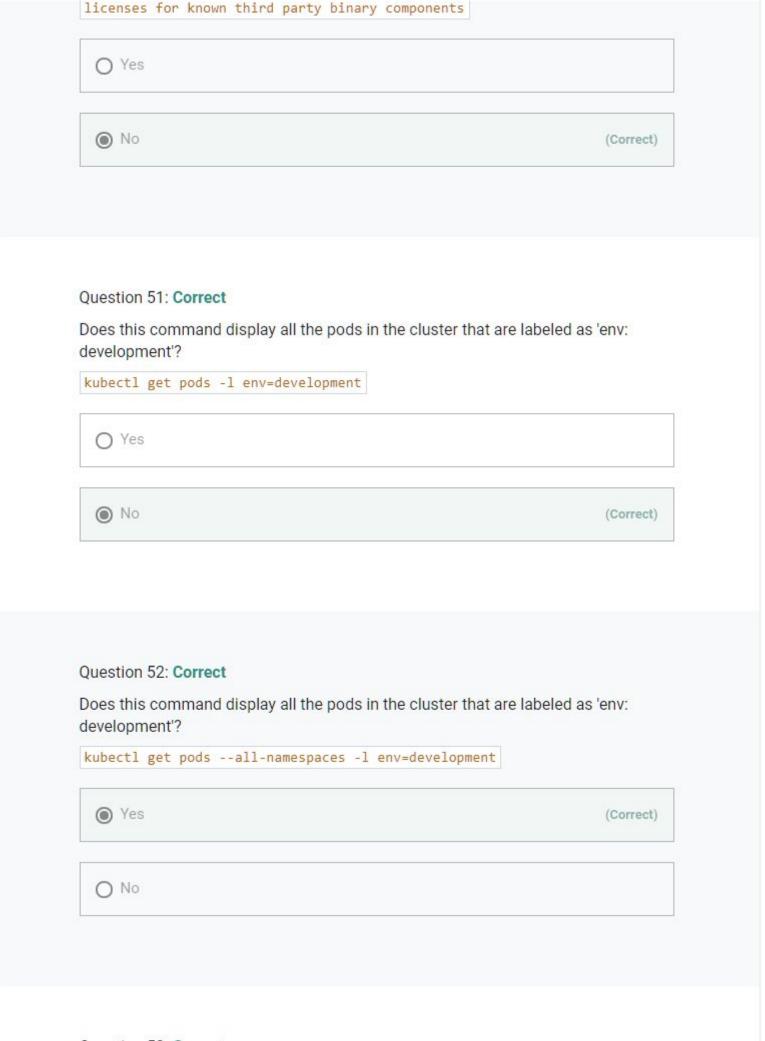
| O Yes |  |  |
|-------|--|--|
|       |  |  |

(Correct)

Question 50: Correct

No

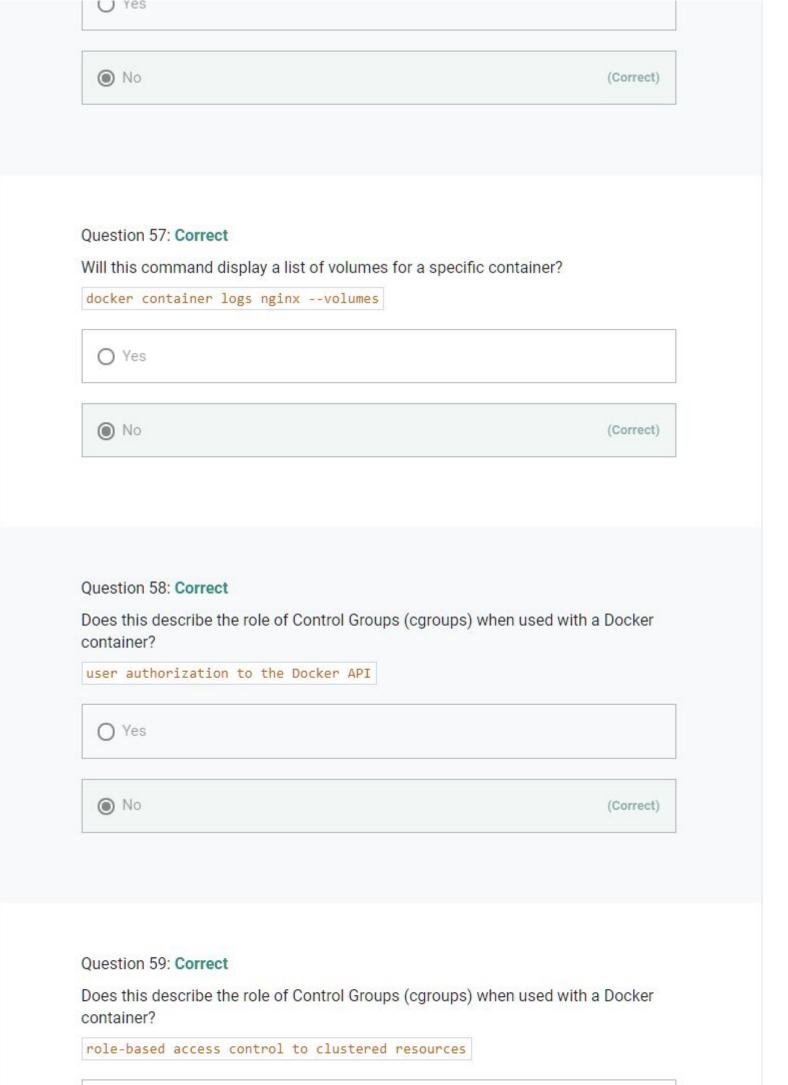
Will a DTR security scan detect this?



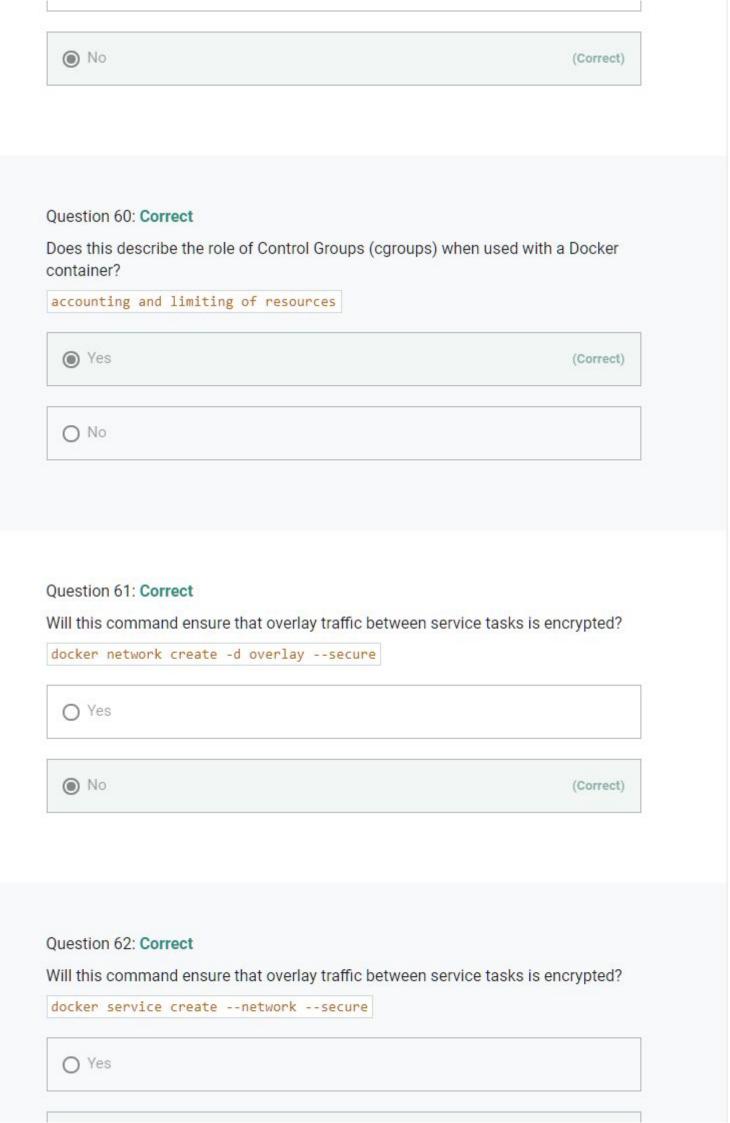
Question 53: Correct

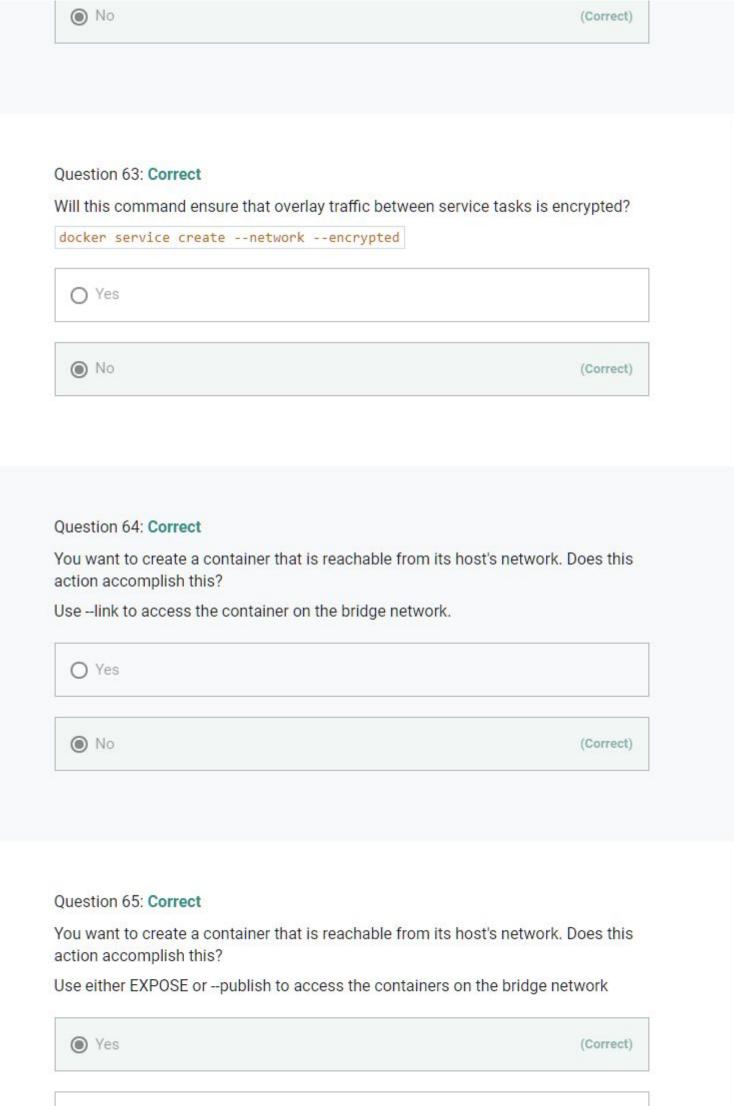
Does this command display all the pods in the cluster that are labeled as 'env: development'?

| ● No  | (Correct) |
|---|-----------|
|   |           |
| Question 54: <b>Correct</b> Will this command display a list of volumes for a specific container? |           |
| docker container inspect nginx  |           |
| Yes   | (Correct) |
| O No  |           |
|   |           |
|   |           |
| Question 55: Correct  |           |
| Will this command display a list of volumes for a specific container?                             |           |
| docker volume logs nginxcontainers  |           |
| O Yes   |           |
|   | (Correct) |
| No  |           |
| ● No  |           |

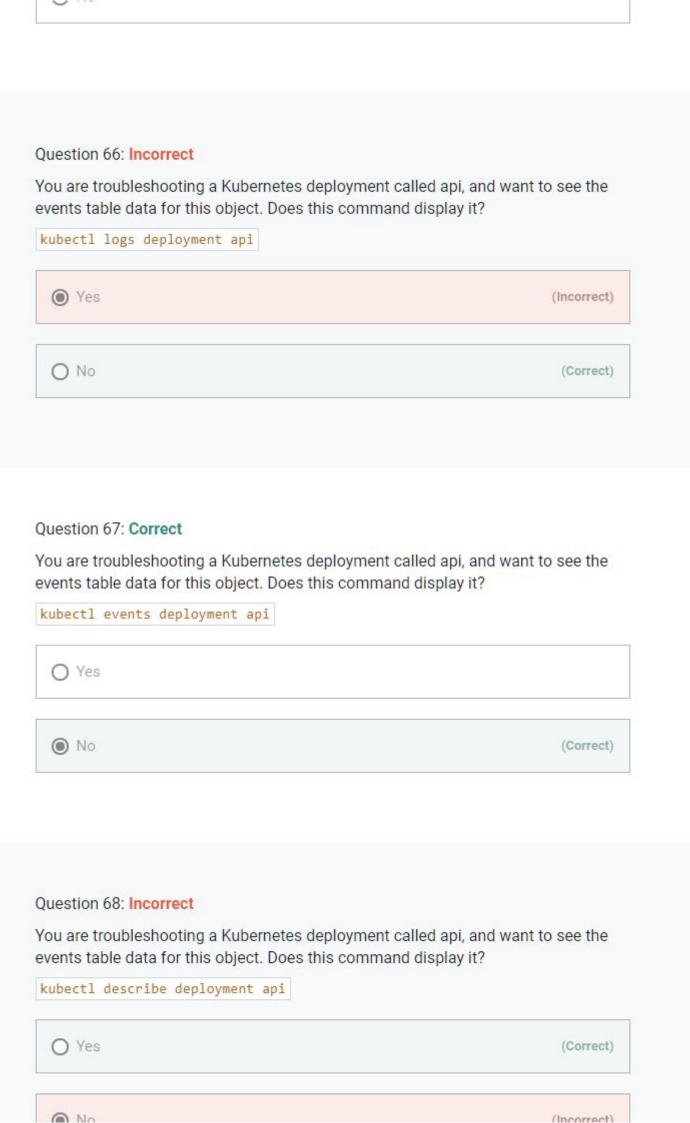


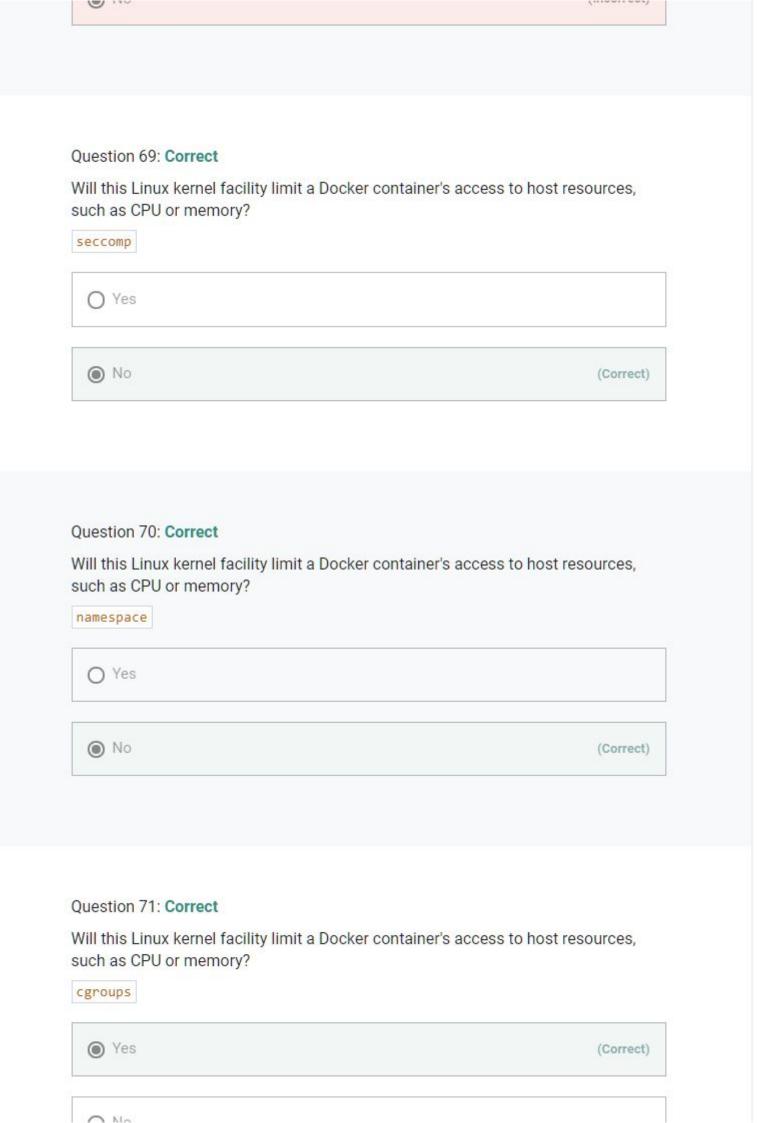
O Yes





O No





| uestion 72: Correct  |   |
|--|---|
| s this an advantage of multi-stage builds?   | 2005  |
| better caching when building Docker im   | ages  |
| O Yes  |   |
| No   | (Correct)                                   |
|  |   |
|  |   |
|  |   |
|  |   |
|  |   |
|  |   |
| s this an advantage of multi-stage builds?   |   |
| s this an advantage of multi-stage builds?   | selectively from previous stages            |
| Question 73: Correct s this an advantage of multi-stage builds? optimizes Images by copying artifacts  One Yes                                 |   |
| s this an advantage of multi-stage builds?   | selectively from previous stages  (Correct) |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts     Yes  |   |
| s this an advantage of multi-stage builds?<br>optimizes Images by copying artifacts  |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts     Yes  |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts     Yes  |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts     Yes  |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts     Yes  |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts  Yes  No   |   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts  Yes  No  No   | (Correct)                                   |
| s this an advantage of multi-stage builds?  optimizes Images by copying artifacts  Yes  No  No  Question 74: Correct s this statement correct? | (Correct)                                   |

#### Question 75: Correct

A users attempts to set the system time from inside a Docker container are unsuccessful. Could this be blocking this operation?

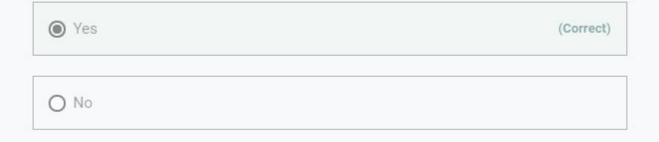
1 inter-process communication

| O Yes |           |
|-------|-----------|
| No    | (Correct) |

#### Question 76: Correct

A users attempts to set the system time from inside a Docker container are unsuccessful. Could this be blocking this operation?

1 Linux Capabilities



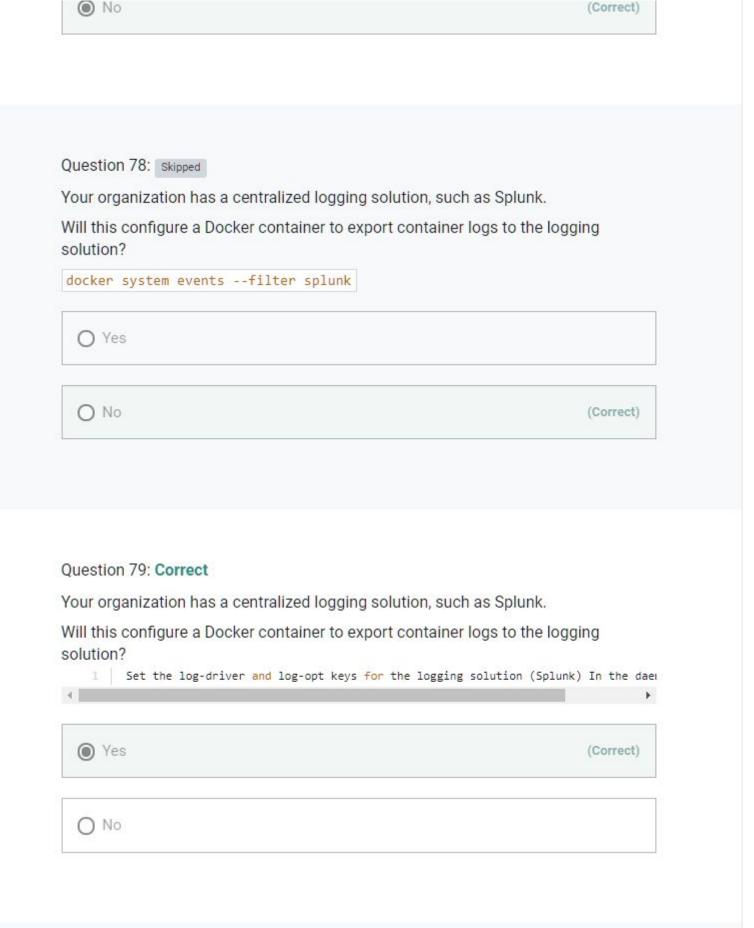
#### Question 77: Correct

Your organization has a centralized logging solution, such as Splunk.

Will this configure a Docker container to export container logs to the logging solution?

docker logs <container-id>

| ( | ) Yes |  |  |  |  |
|---|-------|--|--|--|--|
|   |       |  |  |  |  |



(Correct)

#### Question 80: Correct

A persistentVolumeClaim (PVC) is created with the specification storageClass "" and size requirements that cannot be satisfied by any existing persistentVolume.

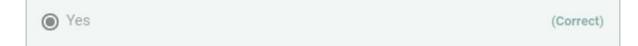
Is the below scenario true?

bound until a persistentVolume that matches all requirements of the PVC becomes available 4

| O No   |           |
|--|-----------|
|  |           |
|  |           |
|  |           |
| Question 81: Correct   |           |
| Will this action upgrade Docker Engine CE to Docker Engine EE?  Delete '/var/lib/docker' directory.  |           |
| O Yes  |           |
| No               | (Correct) |
|  |           |
|  |           |
|  |           |
| 0  |           |
| Question 82: Correct   |           |
|  | ackage.   |
| Will this action upgrade Docker Engine CE to Docker Engine EE?   | (Correct) |
|  |           |
| Will this action upgrade Docker Engine CE to Docker Engine EE?  1   Uninstall 'docker-ce' package before installing 'docker-ee' p  |           |
| Will this action upgrade Docker Engine CE to Docker Engine EE?  1   Uninstall 'docker-ce' package before installing 'docker-ee' package before ins |           |

Will this action upgrade Docker Engine CE to Docker Engine EE?

Manually download the 'docker-ee' package





#### Question 84: Incorrect

Following is a snippet for K8s cluster IP based service:

```
apiVersion: v1
kind: Service
metadata:
name: my-service
spec:
type: clusterIP
selector:
app: nginx
ports:
port: 8800
targetPort: 80
port: 4443
targetPort: 443
```

Is this a correct statement about how this service routes requests?



#### Question 85: Incorrect

In the context of a swarm mode cluster, does this describe a node?

a physical machine participating in the swarm



## Question 86: Incorrect In the context of a swarm mode cluster, does this describe a node? a virtual machine participating in the swarm Yes (Incorrect) O No (Correct) Question 87: Correct In the context of a swarm mode cluster, does this describe a node? an instance of the Docker engine participating in the swarm Yes (Correct) O No Question 88: Incorrect Is this a function of UCP? scans images to detect any security vulnerability Yes (Incorrect) O No (Correct)

| O Yes  |                                   |
|--|-----------------------------------|
| No     No | (Correct)                         |
|  |                                   |
|  |                                   |
| uestion 90: <mark>Incorrect</mark><br>ou are running only Kubernetes workloads on a worl   | ker node that requires            |
| naintenance, such as installing patches or an OS upg   | grade                             |
| hich command must be run on the node to graceful<br>ode, while marking the node as unschedulable?  | lly terminate all pods on the     |
| O docker node update –availability drain <node name<="" th=""><th>e&gt;'</th></node>   | e>'                               |
| O docker swarm leave   |                                   |
|  |                                   |
| O kubectl drain <node name<="" td=""><td>(Correct)</td></node>   | (Correct)                         |
|  |                                   |
| kubectl cordon <node name=""></node>   | (Incorrect)                       |
|  |                                   |
|  |                                   |
| Question 91: Correct   |                                   |
| Variate and line images from a Dealer Trusted Degist   |                                   |
| se self-signed certificates, and this error appears: 'x  |                                   |
| ou are pulling images from a Docker Trusted Registine self-signed certificates, and this error appears: 'x' inknown authority'.  Ou already downloaded the Docker Trusted Registry from https://dtr.example.com/ca.  | certificate authority certificate |

| Place the certificate in your OS certificate path, trust the cert and restart the Docker daemon across all cluster nodes.   | ificate system-wide |
|---|---------------------|
| Pass '-trust-certificate ca.crt' to the Docker client.  |                     |
| Passinsecure-registry to the Docker client.   | (Correc             |
| Place the certificate in '/etc/docker/certs.d/dtr.example com<br>on all cluster nodes   | n/ca.crt' (Correc   |
| en an application being managed by UCP fails, you would lil<br>uests made to the UCP API in the hours leading up to the fa  | ilure.              |
| estion 92: <b>Correct</b> en an application being managed by UCP fails, you would liluests made to the UCP API in the hours leading up to the fail at must be configured correctly beforehand for this to be possible.  O UCP audit logs must be set to the metadata or request level | illure.<br>ossible? |
| en an application being managed by UCP fails, you would libusts made to the UCP API in the hours leading up to the fa<br>at must be configured correctly beforehand for this to be po   | illure.<br>ossible? |
| en an application being managed by UCP fails, you would libuests made to the UCP API in the hours leading up to the fact must be configured correctly beforehand for this to be possible.  UCP audit logs must be set to the metadata' or request' level                              | ossible?            |

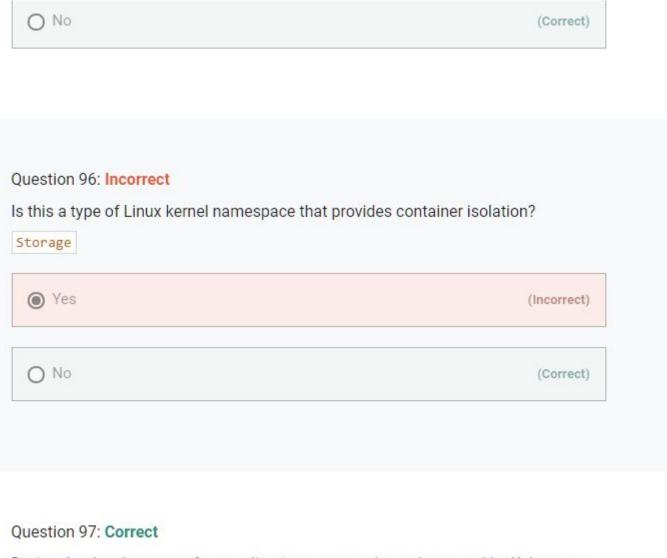
How do you change the default logging driver for the docker daemon in Linux?

| Set the value of log-driver to the name of the logging driver In the daemon.json In /etc/docker  | (Correct)      |
|--|----------------|
| O Use the -log-driver' flag when you run a container   |                |
| O At the command line, type: docker log driver set <driver name=""></driver>   |                |
| O Install a logging agent on the Linux host  |                |
| Explanation To configure the Docker daemon to default to a specific logging driver of log-driver to the name of the logging driver in the daemon.json located in /etc/docker/ on Linux hosts or C:\ProgramData\docker\docke | file, which is |
| Question 94: Correct  Is this a type of Linux kernel namespace that provides container isolated the container is a container is container is container in container is container in container is container in container in container is container in contain | tion?          |
| No   | (Correct)      |
| Question 95: Incorrect   |                |

Network



(Incorrect)



During the development of an application meant to be orchestrated by Kubernetes, you want to mount the /data directory on your laptop into a container.

Will this strategy successfully accomplish this?

Add a volume to the pod that sets hostPath.path: /data, and then mount this volume into the pod's containers as desired.

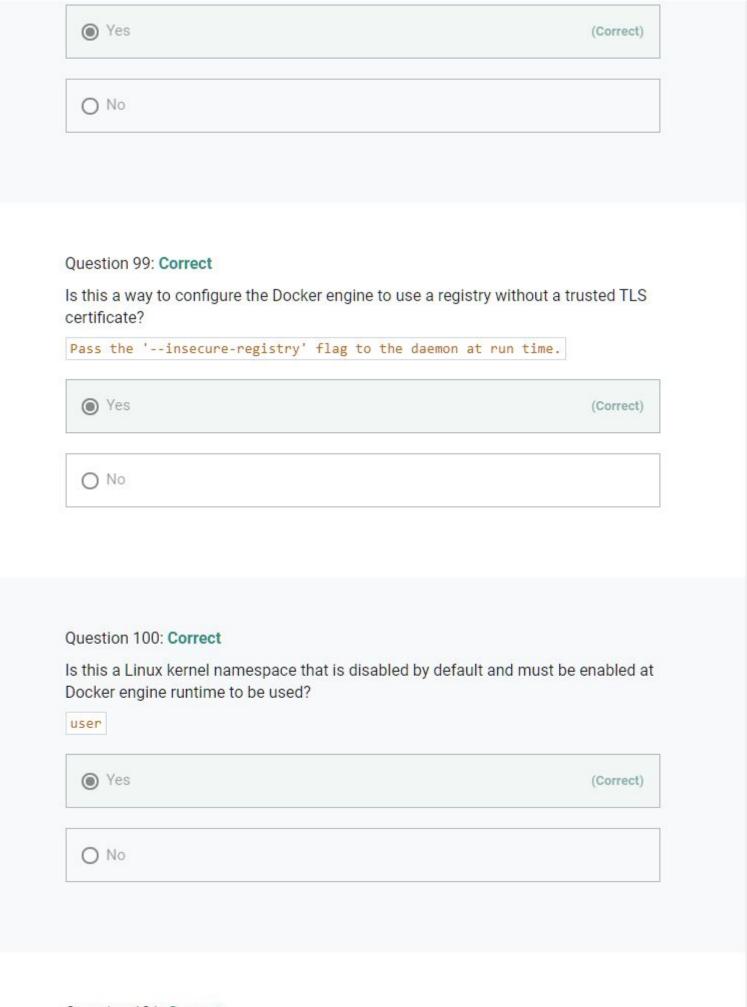


#### Question 98: Correct

During development of an application meant to be orchestrated by Kubernetes, you want to mount the /data directory on your laptop into a container.

Will this strategy successfully accomplish this?

Create a PersistentVolume with storageciass: "" and hostPath: /data, and a persistentVolumeClaim requesting this PV.



#### Question 101: Correct

Is this a Linux kernel namespace that is disabled by default and must be enabled at Docker engine runtime to be used?

net

| ● No  | (Correct)                                     |
|---|---|
|   |   |
|   |   |
|   |   |
| Question 102: Correct   |   |
| s this a Linux kernel namespace that                                    | is disabled by default and must be enabled at |
| Docker engine runtime to be used?                                       | is disabled by default and must be enabled at |
| ls this a Linux kernel namespace that                                   | is disabled by default and must be enabled at |
| ls this a Linux kernel namespace that Docker engine runtime to be used? | is disabled by default and must be enabled at |
| s this a Linux kernel namespace that Docker engine runtime to be used?  | is disabled by default and must be enabled at |