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[Nov-2023 DCA PDF Dumps Are Helpful To produce Your Dreams Correct QA's New DCA exam Free Sample Questions to Practice

Docker Certified Associate (DCA) is a certification exam that validates the skills of IT professionals who use Docker technologies. The DCA exam is designed to test the knowledge and understanding of Docker concepts, tools, and best practices. Docker Certified Associate (DCA) Exam certification is issued by Docker and serves as proof that the candidate has the necessary skills to work with Docker in a production environment.

NO.36 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?

Solution: Create one namespace for each application and add all the resources to it.

* Yes

* No

NO.37 Is this a supported user authentication method for Universal Control Plane?

Solution. x.500

* Yes

* No

Explanation

x.500 is not a supported user authentication method for Universal Control Plane (UCP). x.500 is a series of standards for directory services that define how distributed directory information can be accessed and managed over a network. x.500 is not an external authentication backend that UCP supports. UCP supports LDAP, Active Directory, and SAML as external authentication backends. References:

https://docs.docker.com/ee/ucp/admin/configure/external-auth/, https://en.wikipedia.org/wiki/X.500

NO.38 Will this command mount the host’s ‘/data* directory to the ubuntu container in read-only mode?

Solution. ‘docker run -add-volume /data /mydata -read-only ubuntu’

* Yes

* No

Explanation

This command does not mount the host’s /data directory to the ubuntu container in read-only mode. The

–add-volume and –read-only flags do not exist and will cause an error. To mount a host directory or a named volume to a container, you need to use the -v or –volume flag. To mount the host’s /data directory to the ubuntu container in read-only mode, you need to use -v /data:/mydata:ro instead. References:

https://docs.docker.com/storage/bind-mounts/,

https://docs.docker.com/engine/reference/run/#volume-shared-filesystems

NO.39 What is the docker command to setup a swarm?

* docker swarm init

* docker swarm create

* docker init swarm

* docker create swarm

Explanation

https://docs.docker.com/engine/reference/commandline/swarm/

NO.40 Your organization has a centralized logging solution, such as Splunk.

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

Solution: docker logs <container-id>

* Yes
* No

NO.41 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?

Solution: Create one pod and add all the resources needed for each application
* Yes
* No

NO.42 Will This command list all nodes in a swarm cluster from the command line?

Solution. ‘docker swarm nodes’
* Yes
* No
Explanation

This command does not list all nodes in a swarm cluster from the command line. The docker swarm command manages swarm operations, such as initializing or joining a swarm, updating the swarm configuration, etc. It does not show information about nodes or services. To list all nodes in a swarm cluster from the command line, you need to use docker node ls command. This command shows information about all the nodes that are part of the swarm, such as their ID, hostname, status, availability, etc. References:

https://docs.docker.com/engine/reference/commandline/swarm/,

https://docs.docker.com/engine/reference/commandline/node_ls/

NO.43 What service mode is used to deploy a single task of a service to each node?
* replicated
* spread
* universal
* distributed
* global

NO.44 Which statement is correct about cluster management in Docker Enterprise Edition 3.x?
* Clusters can contain Windows 10 and Windows Server 2016 only.
* Clusters can contain Linux, Windows Server 2016 and 2019, and Linux on IBM z Systems.
* Clusters can contain Linux only.
* Clusters can contain Linux and Windows Server 2008 R2 only.

NO.45 You configure a local Docker engine to enforce content trust by setting the environment variable

DOCKER_CONTENT_TRUST=1.

If myorg/myimage: 1.0 is unsigned, does Docker block this command?

Solution: docker service create myorg/myimage:1.0
* Yes
* No

NO.46 Does this command create a swarm service that only listens on port 53 using the UDP protocol?

Solution: ‘docker service create -name dns-cache -p 53:53 -service udp dns-cache’

* Yes
* No

NO.47 Will this command mount the host’s ‘/data1 directory to the ubuntu container in read-only mode?

Solution. ‘docker run -v /data:/mydata -mode readonly ubuntu’

* Yes
* No

Explanation

This command does not mount the host’s /data directory to the ubuntu container in read-only mode. The -v or

–volume flag mounts a host directory or a named volume to a container. The syntax for mounting a host directory is -v
<host-path>:<container-path>[:<options>]. The options can be ro for read-only mode, rw for read-write mode, z or Z for SELinux
labels, etc. In this command, -mode readonly is not a valid option and will cause an error. To mount the host’s /data
directory to the ubuntu container in read-only mode, you need to use -v /data:/mydata:ro instead. References:
https://docs.docker.com/storage/bind-mounts/,

https://docs.docker.com/engine/reference/run/#volume-shared-filesystems

NO.48 Which of the following commands starts a Redis container and configures it to always restart unless it is explicitly stopped or
Docker is restarted?

* ‘docker run -d –restart-policy unless-stopped redis’
* ‘docker run -d –restart omit-stopped redis’
* ‘docker run -d –restart unless-stopped redis’
* ‘docker run -d –failure omit-stopped redis’

NO.49 Will this command ensure that overlay traffic between service tasks is encrypted?

Solution: docker network create -d overlay -o encrypted=true <network-name>

* Yes
* No

NO.50 Does this describe the role of Control Groups (cgroups) when used with a Docker container?

Solution: user authorization to the Docker API

* Yes
* No

NO.51 Which networking drivers allow you to enable multi-host network connectivity between containers?

* macvlan, ipvlan, and overlay
* bridge, user-defined, host
* bridge, macvlan, ipvlan, overlay
* host, macvlan, overlay, user-defined

NO.52 Is this the purpose of Docker Content Trust?

Solution: Enable mutual TLS between the Docker client and server.

* Yes

* No

NO.53 You add a new user to the engineering organization in DTR.

Will this action grant them read/write access to the engineering/api repository?

Solution: Add them to a team in the engineering organization that has read/write access to the engineering/api repository.

* Yes

* No

NO.54 Will this command list all nodes in a swarm cluster from the command line?

Solution: ‘docker swarm nodes’

* Yes

* No

Explanation

Using ‘docker swarm nodes’ does not list all nodes in a swarm cluster from the command line. The docker swarm command is used to initialize or join a swarm, or manage swarm options. It does not have a nodes subcommand. To list all nodes in a swarm cluster from the command line, you need to use ‘docker node ls’.

References: https://docs.docker.com/engine/reference/commandline/swarm/,

https://docs.docker.com/engine/reference/commandline/node_ls/

NO.55 Will this command display a list of volumes for a specific container?

Solution. ‘docker container logs nginx -volumes’

* Yes

* No

Explanation

Using docker container logs nginx –volumes does not display a list of volumes for a specific container. The docker container logs command shows information about the logs of a container. The –volumes flag is not a valid option for this command and will cause an error. To display a list of volumes for a specific container, you need to use docker container inspect nginx –format ‘{{ .Mounts }}’. References:

https://docs.docker.com/engine/reference/commandline/container_logs/,

https://docs.docker.com/engine/reference/commandline/container_inspect/

NO.56 You created a new service named ‘http’ and discover it is not registering as healthy. Will this command enable you to view the list of historical tasks for this service?

Solution: ‘docker service ps http’

* Yes

* No

Explanation

Using ‘docker service ps http’ enables you to view the list of historical tasks for this service. The docker service ps command shows information about tasks associated with one or more services. A task is a slot where a container runs to execute a service’s commands. A task can have different states in its lifecycle, such as new, running, complete, failed, etc. The docker service ps command shows all tasks by default, including historical ones. References: https://docs.docker.com/engine/reference/commandline/service_ps/,

https://docs.docker.com/engine/swarm/how-swarm-mode-works/services/

NO.57 What is the docker command to find the current logging driver for a running container?
* docker stats
* docker info
* docker config
* docker inspect

NO.58 After creating a new service named ‘http’, you notice that the new service is not registering as healthy. How do

you view the list of historical tasks for that service by using the command line?
* ‘docker inspect http’
* ‘docker service inspect http’
* ‘docker service ps http’
* ‘docker ps http’

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