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DevOps Tools Engineer

LPI 701-100

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QUESTION NO: 1 - (FILL BLANK)

CORRECT TEXT

Which git sub command copies a local commit to a remote repository? (Specify ONLY the sub command without any path or parameters.)

ANSWER: clone**QUESTION NO: 2**

What statement is true regarding the Swarm service created by the following command?

```
docker service create --name myweb --network webnet --mode global nginx
```

- A. It runs exactly one time in the Swarm and cannot be scaled.
- B. It runs exactly once on each node in a Swarm.
- C. It runs on one node by default and can be scaled to an arbitrary number of replicas.
- D. It runs on all nodes which provide the network webnet.
- E. It runs only on those nodes which support the network type global.

ANSWER: C**QUESTION NO: 3**

Given the following excerpt of a Dockerfile:

```
Run apt-get -y update && apt-get install -y fortunes && apt-get clean
```

Why are the multiple apt-get commands combined in one RUN statement instead of using multiple RUN statements?

- A. To prevent the commands from running in parallel because Docker executes all RUN statements in their own container at the same time.
- B. To ensure the execution order of the commands because Docker might evaluate the statements of a Dockerfile in any order.
- C. To avoid the creation of unnecessary images because Docker creates a new image for each RUN statement.
- D. To execute both commands in the same container instance and void Docker to reset the container to the original base image.

E. To execute the apt-get install command only if the apt-get update command was successful because Docker does not check the success of RUN statements.

ANSWER: D

QUESTION NO: 4

Which configuration option in the Ansible inventory is issued control privilege escalation of the remote user?

- A. priv_user
- B. elevate
- C. super
- D. become
- E. sudo

ANSWER: D

QUESTION NO: 5

Which of the following elements are presents in a Vagrant box file? (Choose two correct answers.)

- A. A Vagrant guest configuration file that is used to create instances of the box.
- B. Configuration files for provisioners such as Ansible.
- C. The installer for the Vagrant version which is required to run the box.
- D. A metadata file describing the box and its requirements.
- E. A base file system image in a format supported by the provider of the box.

ANSWER: B D

QUESTION NO: 6

A Dockerfile contains the statements:

```
COPY data/ /data/
```

```
VOLUME /data
```

What happens when the resulting container is started without any additional volume configuration? (Choose two correct answers.)

- A. Files existing in /data/ in the image are not available in the running container.

- B. Changes to files within /data/ affect the Docker image and all other containers derived from it.
- C. Existing files from /data/ in the image are copied to the new volume.
- D. An error is raised because /data/ already contains data when the volume is mounted.
- E. A new volume is created and mounted to /data/ within the new container.

ANSWER: C E

QUESTION NO: 7

Which Ansible modules can be used to change the contents of a file? (Choose three correct answers.)

- A. lineinfile
- B. replace
- C. patch
- D. insert
- E. modify

ANSWER: A B C

QUESTION NO: 8

How is a Docker container image retrieved from a Docker registry?

- A. Docker retrieves a ZIP archive which is extracted into the container's root file system.
- B. Multiple stacked images are retrieved and layered on top of each other.
- C. A flat hard disk image is downloaded once per container and mounted as the root file system.
- D. The registry merger all components of the image into one file which is shipped to Docker.
- E. The container is built from an ISO file along with a configuration for an unattended installation.

ANSWER: B

QUESTION NO: 9

Which of the following container names could have been assigned automatically by Docker?

- A. docker-c00001
- B. 2.0.17.172

- C. container
- D. c0023817
- E. clever_ritchie

ANSWER: E

QUESTION NO: 10

Which security issues exist for most publicly available Vagrant boxes? (Choose three correct answers.)

- A. They accept SSH logins from the user vagrant with the password vagrant.
- B. They accept SSH logins from the user vagrant with a publicly available SSH key pair.
- C. The vagrant user can use sudo to obtain root privileges without additional authentication.
- D. Their whole file system, including configuration files, is writable by any user, including vagrant.
- E. They export their file system via NFS with full write permissions without any additional restrictions.

ANSWER: A B C