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DevOps Tools Engineer

LPI 701-100

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QUESTION NO: 1

Which of the following kinds of data are suitable as artifacts in a continuous delivery pipeline? (Choose three correct answers.)

- A. Executable applications such as .exe files or .jar packages.
- B. Copies of the contents of source code repositories.
- C. Build configuration files such as Makefiles or Maven configurations.
- D. Compiled packages to be installed by a Linux package manager.
- E. Docker container images which contain an application.

ANSWER: B C D

QUESTION NO: 2

If a Dockerfile references the container's base image without a specific version tag, which tag of that image is used to create the container?

- A. latest
- B. default
- C. current
- D. nightly
- E. Its

ANSWER: A

QUESTION NO: 3

Which of the following statements describes the principal concept behind test driven development?

- A. Tests may not be written by the same development team that wrote the tested code.
- B. All tests are generated automatically from the tested source code.
- C. Tests are written before the function / method is implemented.
- D. The only acceptable reason to write a test is to prevent fixed bugs from occurring again.
- E. Instead of testing software automatically, manual tests are performed and logged daily.

ANSWER: C

QUESTION NO: 4

Which of the following sections must exist in a Packer template?

- A. images
- B. provisioners
- C. builders
- D. variables
- E. post-processors

ANSWER: B

QUESTION NO: 5

Which of the statements below are true about the volume created by the following command? (Choose two correct answers.)

```
docker run -v /data -ti debian
```

- A. The new /data volume contains a copy of the complete container's base image.
- B. The volume containing the container's rootfile system is retained until the /data volume is deleted.
- C. The /data volume is discarded when the container terminates.
- D. The /data volume can be attached to another Docker container.
- E. If the command is run a second time, another volume for /data is created.

ANSWER: D E

QUESTION NO: 6

Which of the following tasks are completed by docker-compose down when it is used with additional parameters? (Choose two correct answers.)

- A. Delete all volumes defined in the composer file.
- B. Delete all containers defined in the composer file.
- C. Delete all networks defined in the composer file.
- D. Delete all images used in the composer file from the Docker nodes.
- E. Delete all images built from the composer file from their registry.

ANSWER: A C

QUESTION NO: 7

Which of the following HTTP headers is a CORS header?

- A. X-CORS-Access-Token:
- B. Location:
- C. Referer:
- D. Authorization:
- E. Access-Control-Allow-Origin

ANSWER: E

QUESTION NO: 8

Which of the following goals are favored by agile software development methodologies? (Choose two correct answers.)

- A. Self-organization of teams.
- B. Central governance and control.
- C. Flexibility of processes.
- D. Absolute planning adherence.
- E. Long-term release and feature management.

ANSWER: C E

QUESTION NO: 9

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: 10

How is cloud-init integrated with a managed system image?

- A. cloud-init provides the cloud-init-worker command which has to be invoked periodically within the running instance.
- B. cloud-init provides systemd units which must be included in several stages of the booting process of the instance.
- C. cloud-init provides its own startup mechanism which replaces the instance's original init system, such as systemd.
- D. cloud-init provides a Linux kernel module that must be included and loaded in the instance's initramfs.
- E. cloud-init provides the cloud-init-daemon service which is launched during startup and keeps the instance in sync with the desired configuration.

ANSWER: D