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QUESTION 1

Where should containerized applications store persistent data such as user uploaded files or billing information?
(Choose TWO correct answers)

- A. In files inside the container that are exclusively locked by the application.
- B. In memory with an API to download a serialized dump of the data.
- C. In external systems such as databases or object stores.
- D. In dedicated, well known directory trees within the container.
- E. In database server which is installed within the container.

Correct Answer: CD

QUESTION 2

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.

Correct Answer: CE

QUESTION 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.

Correct Answer: C

https://en.wikipedia.org/wiki/Test-driven_development

QUESTION 4

A recently installed application writes log data to `/opt/app/log/info.log`. If Filebeat is already installed and set up for communication with a remote Logstash, what has to be done in order to submit the log data of the new application to Logstash?

- A. Add an additional input channel with the option `source => "/opt/app/log/info.log"` to the Logstash configuration.
- B. Configure logrotate to execute `filebeat -l /opt/app/log/info.log 0` after each rotation of `/opt/app/log/info.log`.
- C. Add the log file to the path option within the log prospector in the Filebeat configuration and restart Filebeat.
- D. Add a new cron job that invokes `filebeat -i /opt/app/log/info.log` periodically.
- E. Replace `/opt/app/log/info.log` by a symbolic link to `/dev/filebeat` and restart the new application.

Correct Answer: C

QUESTION 5

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.

Correct Answer: ADE
