

## Exam Questions 701-100

LPIC-OT DevOps Tools Engineer

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#### NEW QUESTION 1

Which docker-machine sub command outputs a list of commands that set environment variables which are required to make docker work with a Docker host managed by docker-machine? (Specify only the sub command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

env

#### NEW 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.

**Answer:** CE

#### NEW QUESTION 3

A declarative Jenkins pipeline contains the following excerpt:

```
parameters {  
  string (name: 'TargetEnvironment', defaultValue: 'staging', description: 'Target environment')  
}
```

How can a task use the value provided for TargetEnvironment?

- A. \${TargetEnvironment}
- B. \$TargetEnvironment
- C. %TargetEnvironment%
- D. \${params.TargetEnvironment}
- E. \$ENV{TargetEnvironment}

**Answer:** B

#### NEW QUESTION 4

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:** AC

**Explanation:**

Reference <https://docs.docker.com/compose/reference/down/>

#### NEW QUESTION 5

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

#### NEW QUESTION 6

A service should be provided to arbitrary clients on the Internet using HTTPS. Any standard client on the Internet should be able to consume the service without further configuration. Which of the following approaches can be used to implement these requirements? (Choose three correct answers.)

- A. Configure the web servers to not use a server certificate when serving HTTPS.
- B. Generate a self-signed certificate during the deployment of each backend server.
- C. Use a certificate issuing service to request certificates during each server deployment.
- D. Use a load balancer that decrypts incoming requests and passes them on in plain HTTP.

E. Install a wildcard certificate and the respective private key on all the backend server

**Answer:** BCD

#### NEW QUESTION 7

What must be the first line of a plain text user-data configuration containing YAML configuration for cloud-init?

- A. cloud-config:
- B. --- cloud-config
- C. #!/usr/bin/cloud-init
- D. [cloud-config]
- E. #cloud-config

**Answer:** E

#### Explanation:

Reference <https://cloudinit.readthedocs.io/en/latest/topics/examples.html>

#### NEW QUESTION 8

Which of the following properties apply to a content delivery network? (Choose three correct answers.)

- A. CDNs require all elements of a web site to be served by the same CDN.
- B. CDNs can stream large media files such as movies or music to clients.
- C. CDNs are present in multiple locations to serve content close to clients.
- D. CDNs serve huge numbers of clients with high bandwidth and low latency.
- E. CDNs forward all requests to a backend server and never store content locally

**Answer:** CDE

#### NEW QUESTION 9

Which of the following functions are provided by the Ansible apt module? (Choose two correct answers.)

- A. Update an installed package to the latest version.
- B. Update the list of available packages from configured repositories.
- C. Re-compile an installed package from the source code.
- D. Add the URL of a new repository to the package manager configuration.
- E. Install a dpkg based Linux distribution on an empty target system.

**Answer:** BE

#### Explanation:

Reference [https://docs.ansible.com/ansible/latest/modules/apt\\_module.html](https://docs.ansible.com/ansible/latest/modules/apt_module.html)

#### NEW QUESTION 10

What happens when a merge conflict occurs in git? (Choose two correct answers.)

- A. The conflicting files remain unchanged in the local repository.
- B. Conflict markers are added to the files.
- C. A new branch containing the remote changes is created.
- D. The affected files are flagged as conflicting.
- E. The newest version is placed in the local repository

**Answer:** DE

#### NEW QUESTION 10

Which of the following statements are true about Jenkins? (Choose two correct answers.)

- A. Jenkins is specific to Java based applications.
- B. Jenkins can delegate tasks to slave nodes.
- C. Jenkins only works on local files and cannot use SCM repositories.
- D. Jenkins' functionality is determined by plugins.
- E. Jenkins includes a series of integrated testing suite

**Answer:** BE

#### NEW QUESTION 12

What does the command packer validate template.json do?

- A. The command verifies that the latest build of the template can be run without downloading additional images or artifacts.
- B. The command verifies that the file template.json is a syntactically correct and complete Packer template.
- C. The command verifies that all existing artifacts generated by template.json have their original checksums.
- D. The command verifies that all source images referenced in template.json are available and have valid cryptographic signatures.
- E. The command verifies that images generated previously by template.json still use the most recent source images.

**Answer:** B

**Explanation:**

Reference <https://www.packer.io/docs/commands/validate.html>

**NEW QUESTION 14**

Which of the following tasks can Logstash fulfill without using other components of the Elastic Stack? (Choose three.)

- A. Receive log data from remote systems.
- B. Store log data persistently.
- C. Aggregate log data over a period of time.
- D. Process log data to extract information.
- E. Forward log data to other service

**Answer:** CDE

**NEW QUESTION 18**

How does Vagrant run virtual machines?

- A. Vagrant uses a vagrant-specific hypervisor called VagrantVM.
- B. Vagrant has to be run within a running virtual machine which is not controlled by Vagrant.
- C. Vagrant ships with an embedded version of VirtualBox.
- D. Vagrant uses so-called providers which control external hypervisors such as VirtualBox.
- E. Vagrant generates virtual machine images but does not provide a mechanism to run them.

**Answer:** D

**NEW QUESTION 23**

What is the Puppet equivalent to an Ansible Playbook called?

- A. A Puppet Catalog
- B. A Puppet Playbook
- C. A Puppet Factsheet
- D. A Puppet Declaration
- E. A Puppet Manifest

**Answer:** A

**NEW QUESTION 25**

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