



**Free Questions for 701-100 by certscare**

**Shared by Wynn on 06-06-2022**

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## Question 1

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### Question Type: MultipleChoice

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An online shop needs to store information about clients and orders. A list of fixed properties for clients and orders exists. The data storage should enforce specific data types on these properties and ensure that each order is associated with an existing client. Which of the following cloud services is capable of fulfilling these requirements?

#### Options:

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- A- An in-memory database like memcached.
- B- An object store like OpenStack Swift.
- C- A messaging service like OpenStack Zaqar.
- D- A NoSQL database like MongoDB.
- E- A relational database like MariaDB.

#### Answer:

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E

## Question 2

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**Question Type: MultipleChoice**

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What is tested by unit tests?

**Options:**

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- A-** The syntactical correctness of the source code of a software component.
- B-** The formal validity of a service's external REST API.
- C-** The integration of multiple component of the same software.
- D-** The correctness of a specific function of a software component.
- E-** The throughput, load capacity and latency of a service.

**Answer:**

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D

## Question 3

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**Question Type: MultipleChoice**

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

### Options:

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- 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 services.

### Answer:

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C, D, E

## Question 4

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**Question Type:** MultipleChoice

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Which of the following conditionals exist in an Ansible playbook? (Choose three correct answers.)

### Options:

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- A- with\_nodes
- B- with\_playbook
- C- with\_sequence
- D- with\_items
- E- with\_nested

### Answer:

---

C, D, E

### Explanation:

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Reference [https://docs.ansible.com/ansible/2.4/playbooks\\_loops.html](https://docs.ansible.com/ansible/2.4/playbooks_loops.html)

## Question 5

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**Question Type:** MultipleChoice

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

**Options:**

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- 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:**

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B, C, D

## Question 6

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**Question Type:** MultipleChoice

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

**Options:**

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- 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:**

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C, D, E

## Question 7

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**Question Type:** MultipleChoice

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

**Options:**

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- 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:**

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C, E

## Question 8

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**Question Type:** MultipleChoice

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

**Options:**

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- 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:**

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C

**Explanation:**

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Reference [https://en.wikipedia.org/wiki/Test-driven\\_development](https://en.wikipedia.org/wiki/Test-driven_development)

## Question 9

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**Question Type: MultipleChoice**

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

**Options:**

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A- cloud-config:

B- --- cloud-config

C- #!/usr/bin/cloud-init

D- [cloud-config]

E- #cloud-config

**Answer:**

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E

**Explanation:**

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

## Question 10

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**Question Type:** MultipleChoice

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How does Vagrant run virtual machines?

**Options:**

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- 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:**

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D

## Question 11

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**Question Type:** MultipleChoice

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

**Options:**

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- 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:**

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A, B, C

**Explanation:**

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Reference <https://www.vagrantup.com/docs/boxes/base.html>

## Question 12

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**Question Type:** MultipleChoice

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What does the command packer validate template.json do?

### Options:

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- 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:

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B

### Explanation:

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

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