

Test Intermedio 1/2

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Tiempo empleado	29 minutos 30 segundos
Puntos	12,50/20,00
Calificación	6,25 de 10,00 (63%)

Pregunta 1

Incorrecta

Puntúa 0,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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?

Seleccione una:

- a. Add an additional input channel with the option source => “/opt/app /log/info.log” to the Logstash configuration. ✖
- b. Add the log file to the path option within the log prospector in the Filebeat configuration and restart Filebeat.
- c. Replace /opt/app/log/info.log by a symbolic link to /dev/filebeat and restart the new application.
- d. Configure logrotate to execute filebeat -I /opt/app/log/info.log 0 after each rotation of /opt/app/log/info.log.
- e. Add a new cron job that invokes filebeat -i /opt/app/log/info.log periodically.

Retroalimentación

Respuesta incorrecta.

La respuesta correcta es: Add the log file to the path option within the log prospector in the Filebeat configuration and restart Filebeat.

Pregunta 2

Parcialmente correcta

Puntúa 0,50 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

myapp:

option1: one

Which of the following strings can be used to reference the defined variable? (Choose two correct answers).

Seleccione una o más de una:

- a. option1@myapp
- b. myapp{{option1}} ✓
- c. myapp(option1);
- d. myapp['option1']
- e. myapp.option1 ✗

Retroalimentación

Respuesta parcialmente correcta.

Ha seleccionado correctamente 1.

Las respuestas correctas son: myapp(option1);, myapp{{option1}}

Pregunta 3

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Consider the following Kubernetes Deployment:

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
elasticsearch-client	5/5	5	5	16h

With the ReplicaSet:

NAME	DESIRED	CURRENT	READY	AGE
elasticsearch-client-779dbb79b8	5	5	5	16h

And the Pods:

NAME	READY	STATUS	RESTARTS	AGE
elasticsearch-client-779dbb79b8-24dnp	1/1	Running	0	16h
elasticsearch-client-779dbb79b8-rjqnc	1/1	Running	0	16h
elasticsearch-client-779dbb79b8-ah3qc	1/1	Running	0	16h
elasticsearch-client-779dbb79b8-vxppla	1/1	Running	0	16h
elasticsearch-client-779dbb79b8-4j7hy	1/1	Running	0	16h

What happens if one of the Pods is terminated with the command `kubect1 pod delete`?

Seleccione una:

- a. The remaining Pods are stopped and the Deployment switches to the state Failed.
- b. The ReplicaSet immediately starts a new replacement Pod. ✓
- c. The remaining Pods are stopped and a new ReplicaSet is started.
- d. The number of replicas in the ReplicaSet is changed to 4.

Retroalimentación

Respuesta correcta

La respuesta correcta es: The ReplicaSet immediately starts a new replacement Pod.

Pregunta 4

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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?

Seleccione una:

- a. To ensure the execution order of the commands because Docker might evaluate the statements of a Dockerfile in any order.
- b. 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.
- c. To avoid the creation of unnecessary layers because Docker creates a new layer 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 prevent the commands from running in parallel because Docker executes all RUN statements in their own container at the same time.

Retroalimentación

Respuesta correcta

La respuesta correcta es: To avoid the creation of unnecessary layers because Docker creates a new layer for each RUN statement.

Pregunta 5

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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

Seleccione una:

- a. The registry merger all components of the image into one file which is shipped to Docker.
- b. Docker retrieves a ZIP archive which is extracted into the container's root file system.

- c. The container is built from an ISO file along with a configuration for an unattended installation.
- d. Multiple stacked images are retrieved and layered on top of each other. ✓
- e. A flat hard disk image is downloaded once per container and mounted as the root file system.

Retroalimentación

Respuesta correcta

La respuesta correcta es: Multiple stacked images are retrieved and layered on top of each other.

Pregunta 6

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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?

Seleccione una:

- a. nightly
- b. lts
- c. default
- d. current
- e. latest ✓

Retroalimentación

Respuesta correcta

La respuesta correcta es: latest

Pregunta 7

Parcialmente correcta

Puntúa 0,50 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

The following command is issued on two docker nodes:

```
docker network create --driver bridge isolated_nw
```

Afterwards, one container is started at each node with the parameter
--network=isolated_nw.

It turns out that the containers can not interact with each other. What must be done in order to allow the containers to interact with each other? (Choose two correct answers.)

Selecione una o más de una:

- a. Use a host network instead of a bridged network.
- b. Use an overlay network instead of a bridged network ✓
- c. Start the containers on the same node.
- d. Change the --network parameter of docker create to
--network=isolated_nw,nofence.. ✗
- e. Add the option --inter-container to the docker network create command.

Retroalimentación

Respuesta parcialmente correcta.

Ha seleccionado correctamente 1.

Las respuestas correctas son: Start the containers on the same node., Use an overlay network instead of a bridged network

Pregunta 8

Parcialmente correcta

Puntúa 0,50 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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.)

Seleccione una o más de una:

- a. An error is raised because /data/ already contains data when the volume is mounted.
- b. Files existing in /data/ in the image are not available in the running container.
- c. Existing files from /data/ in the image are copied to the new volume.
- d. A new volume is created and mounted to /data/ within the new container. ✓
- e. Changes to files within /data/ affect the Docker image and all other containers derived from it. ✗

Retroalimentación

Respuesta parcialmente correcta.

Ha seleccionado correctamente 1.

Las respuestas correctas son: Existing files from /data/ in the image are copied to the new volume., A new volume is created and mounted to /data/ within the new container.

Pregunta 9

Incorrecta

Puntúa 0,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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

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

Seleccione una:

- a. It runs on one node by default and can be scaled to an arbitrary number of replicas.
- b. It runs on all nodes which provide the network webnet. ✗
- c. It runs only on those nodes which support the network type global

- d. It runs exactly once on each node in a Swarm.
- e. It runs exactly one time in the Swarm and cannot be scaled.

Retroalimentación

Respuesta incorrecta.

La respuesta correcta es: It runs exactly once on each node in a Swarm.

Pregunta 10

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which Ansible keyword is used in a playbook to store the result (i.e. return code) of a task in a variable?

Selecione una:

- a. return
- b. output
- c. register ✓
- d. result
- e. set_fact

Retroalimentación

Respuesta correcta

La respuesta correcta es: register

Pregunta 11

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the following Ansible tasks copies the file example.txt to a manage system?

Seleccione una:

- a. - cp:
source: example.txt
dst: /tmp/example.txt
- b. - transfer:
src: example.txt
dest: /tmp/example.txt
- c. - retrieve:
src: example.txt
dest: /tmp/example.txt
- d. - copy:
src: example.txt
dest: /tmp/example.txt ✓
- e. - rsync:
src: example.txt
dst: /tmp/example.txt

Retroalimentación

Respuesta correcta

La respuesta correcta es: - copy:
src: example.txt
dest: /tmp/example.txt

Pregunta 12

Incorrecta

Puntúa 0,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the following commands lists the cookbooks available on a Chef server?

Seleccione una:

- a. kitchen cookbook list
- b. chef-server cookbook list

- c. knife cookbook list ❌
- d. chef-solo cookbook list
- e. chef-client cookbook list

Retroalimentación

Respuesta incorrecta.

La respuesta correcta es: chef-server cookbook list

Pregunta 13

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the following commands lists the nodes in a Docker Swarm cluster?

Seleccione una:

- a. docker swarm nodes
- b. docker node ls ✔
- c. docker machine ls
- d. docker-swarm listnodes
- e. docker engine ls

Retroalimentación

Respuesta correcta

La respuesta correcta es: docker node ls

Pregunta 14

Incorrecta

Puntúa 0,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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

Selecione una:

- a. 2.0.17.172
- b. docker-c00001
- c. c0023817 ✖
- d. container
- e. clever_ritchie

Retroalimentación

Respuesta incorrecta.

La respuesta correcta es: clever_ritchie

Pregunta 15

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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

Selecione una o más de una:

- a. Update an installed package to the latest version. ✔
- b. Add the URL of a new repository to the package manager configuration.
- c. Install a dpkg based Linux distribution on an empty target system.
- d. Update the list of available packages from configured repositories. ✔
- e. Re-compile an installed package from the source code.

Retroalimentación

Respuesta correcta

Las respuestas correctas son: Update an installed package to the latest version. , Update the list of available packages from configured repositories.

Pregunta 16

Parcialmente correcta

Puntúa 0,50 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the following mechanisms are used for service discovery in a container environment? (Choose two correct answers.)

Selecione una o más de una:

- a. The container platform lists localhost ports assigned to containers in each container's /etc/services file.
- b. The container platform sets environment variables containing service information within the containers. ✓
- c. The container platform offers a command like docker service discover which should be run within a container. ✗
- d. The container platform mounts the sockets for all available services into the container's file systems.
- e. The container platforms maintains DNS records which point to containers offering a specific service.

Retroalimentación

Respuesta parcialmente correcta.

Ha seleccionado correctamente 1.

Las respuestas correctas son: The container platform sets environment variables containing service information within the containers., The container platforms maintains DNS records which point to containers offering a specific service.

Pregunta 17

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the following tasks are completed by docker-compose down when it is

used with additional parameters? (Choose two correct answers.)

Selecione una o más de una:

- a. Delete all networks defined in the compose file. ✓
- b. Delete all images used in the compose file from the Docker nodes.
- c. Delete all containers defined in the compose file. ✓
- d. Delete all images built from the compose file from their registry.
- e. Delete all volumes defined in the composer file.

Retroalimentación

Respuesta correcta

Las respuestas correctas son: Delete all containers defined in the compose file., Delete all networks defined in the compose file.

Pregunta 18

Incorrecta

Puntúa 0,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which of the log messages below matches the following Logstash grok filter?

```
grok {  
  match => ["message", "%{SYSLOGBASE} new node %{IPORHOST:node}" ]  
}
```

Selecione una:

- a. %{SYSLOG-FROM:headnode clustermanager[12353]} new node 198.51.100.103
- b. Jun 30 00:36:49 headnode clustermanager[12353]: new node 198.51.100.103
- c. Jun 30 00:36:49 headnode: new node 198.51.100.103 at clustermanager:12353
- d. Jun 30 00:36:49 headnode clustermanager[198.51.100.103]: new node ✗
- e. clustermanager[12353]: Jun 30 00:36:49 headnode new node 198.51.100.103

Retroalimentación

Respuesta incorrecta.

La respuesta correcta es: Jun 30 00:36:49 headnode clustermanager[12353]: new node 198.51.100.103

Pregunta 19

Parcialmente correcta

Puntúa 0,50 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

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

Seleccione una o más de una:

- a. The volume containing the container's rootfile system is retained until the /data volume is deleted. ✖
- b. The /data volume is discarded when the container terminates.
- c. The /data volume can be attached to another Docker container. ✔
- d. If the command is run a second time, another volume for /data is created.
- e. The new /data volume contains a copy of the complete container's base image.

Retroalimentación

Respuesta parcialmente correcta.

Ha seleccionado correctamente 1.

Las respuestas correctas son: The /data volume can be attached to another Docker container. , If the command is run a second time, another volume for /data is created.

Pregunta 20

Correcta

Puntúa 1,00 sobre 1,00

Marcar pregunta

Enunciado de la pregunta

Which section of the Prometheus configuration defines which nodes are monitored?

Selecione una:

- a. rules
- b. scrape_config ✓
- c. listener
- d. targets
- e. nodes

Retroalimentación

Respuesta correcta

La respuesta correcta es: scrape_config