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**QUESTION 1**

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

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

- A. Jun 30 00:36:49 headnode: new node 198.51.100.103 at clustermanager:12353
- B. Jun 30 00:36:49 headnode clustermanager[12353]: new node 198.51.100.103
- C. Jun 30 00:36:49 headnode clustermanager[198.51.100.103]: new node
- D. %{SYSLOG-FROM:headnode clustermanager[12353]} new node 198.51.100.103
- E. clustermanager[12353]: Jun 30 00:36:49 headnode new node 198.51.100.103

Correct Answer: B

QUESTION 2

Which of following staments in a Dockerfile leads to a container which outputs hello world? (Choose TWO correct answers)

- A. ENTRYPOINT "echo Hello World"
- B. ENTRYPOINT echo Hello World
- C. ENTRYPOINT ["echo", "hello", "world"]
- D. ENTRYPOINT ["echo hello world"] No
- E. ENTRYPOINT "echo", "Hello", "World"

Correct Answer: BC

QUESTION 3

An Ansible variable file contains the following content:

```
myapp: option1: one
```

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

- A. myapp(option1);



- B. option1@myapp
- C. myapp[option1\\]
- D. myapp.option1
- E. myapp{{option1}}

Correct Answer: CD

QUESTION 4

Which Ansible command line tool is used to download, install and manage roles from a public community site or an SCM such as Git? (Specify ONLY the command without any path or parameters)

A. The Ansible command line tool used to download, install and manage roles from a public community site or an SCM such as Git is ansible-galaxy. The command to install a role from a public community site is: ansible-galaxy install The command to install a role from Git is: ansible-galaxy install -r being the path to the file containing the role's requirements. The command to uninstall a role is: ansible-galaxy remove The command to list all available roles is: ansible-galaxy list These commands provide you with the ability to easily manage Ansible roles from a central location using either a public community site or your own private SCM.

Correct Answer: A

QUESTION 5

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

- A. Docker retrieves a ZIP archive which is extracted into the container's root file system.
- B. Multiple stacked images are retrieved and layered on top of each other.
- C. A flat hard disk image is downloaded once per container and mounted as the root file system.
- D. The registry merger all components of the image into one file which is shipped to Docker.
- E. The container is built from an ISO file along with a configuration for an unattended installation.

Correct Answer: B

<https://www.ibm.com/developerworks/library/mw-1608-tost-trs/index.html>

QUESTION 6

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

Correct Answer: E

QUESTION 7

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 certificates 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 servers.

Correct Answer: CDE

QUESTION 8

Which of the following HTTP methods are used by REST? (Choose three correct answers.)

- A. CREATE
- B. REPLACE
- C. PUT
- D. DELETE
- E. GET

Correct Answer: CDE

<https://restfulapi.net/http-methods/>

QUESTION 9



After creating a new Docker network using the following command:

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

Which parameter must be added to docker create in order to attach a container to the network?

- A. --attach=isolated_nw
- B. --network=isolated_nw
- C. --ethernet=isolated_nw
- D. --alias=isolated_nw
- E. --eth0=isolated_nw

Correct Answer: B

QUESTION 10

Which property of a Kubernetes Deployment specifies the number of instances to create for a specific Pod? (Specify ONLY the option name, no matter of its location in the object hierarchy)

- A. The property you are looking for is replicas. This is a field directly under the Deployment object and specifies the number of Pod replicas that should be maintained by the Deployment.

Correct Answer: A

QUESTION 11

The following output is generated by git branch:

```
development mater production staging
```

How can all changes from the development branch be integrated into the staging branch?

- A. git stash development
- B. git merge development
- C. git branch --merge development
- D. git merge delopment..staging
- E. git cp --merge development

Correct Answer: B



QUESTION 12

Which of the following values would be valid in the FROM statement in a Dockerfile?

- A. file: /tmp/ubuntu/Dockerfile
- B. registry:ubuntu:xenial
- C. docker://ubuntu:xenial
- D. ubuntu:xenial
- E. http://docker.example.com/images/ubuntu-xenial.iso

Correct Answer: D

QUESTION 13

A docker swarm contains the following node: Whic of the nodes should be configured as DOCKER_HOST in order to run services on the swarm? (Specify ONLY the HOSTNAME of one of the potential target nodes)

ID	HOSTNAME	STATUS	AVAILABILITY	MANAGERSTATUS
162jocpx41h8kdjt98kao8qek	node-5	Ready	active	Reachable
2ds7z8m2poifjsiqbngbsmavp	node-4	Ready	active	Reachable
fv7p1b2i2swo916zypyohiyfa	node-3	Ready	active	
hrr0eouc6qhnoihndt8uu610g	node-2	Ready	active	
txgjvd0azv0mzsjj6o7ob00h8	node-1	Ready	active	Leader

A. In a Docker Swarm, you need to set the DOCKER_HOST environment variable on the manager node in order to run services on that node. In your example, node "node-1" is the manager node (with a * symbol) and its status is "Ready" and "active", and it is also the "Leader". Therefore, you should set the DOCKER_HOST environment variable on node "node-1". To set the DOCKER_HOST environment variable, you can use the following command (assuming that you are using a bash shell): `export DOCKER_HOST=tcp://node-1:2375` This will set the DOCKER_HOST environment variable, causing Docker commands to default to connecting to port 2375 on node "node-1". Please note that you can also add the above command to `~/.bashrc` or `~/.bash_profile` file to automatically set the DOCKER_HOST environment variable whenever a new bash shell is opened. It should be noted that if your Docker Swarm uses a different network mode (e.g., overlay network), then you may need to specify a different network mode and port in the DOCKER_HOST environment variable. The specific situation depends on your Docker Swarm configuration.

Correct Answer: A

QUESTION 14

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



- 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.

Correct Answer: ABC

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

QUESTION 15

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.

Correct Answer: D

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