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QUESTIONS & ANSWERS
DEMO VERSION
(LIMITED CONTENT)

Question 1

Question Type: MultipleChoice

An administrator needs to configure a Supervisor Cluster with the vSphere networking stack (vSphere Distributed Switch) and HAProxy appliance using default configuration. The administrator has already connected all hosts in the cluster to a vSphere Distributed Switch and created distributed portgroups.

Which designation must be mapped to a distributed portgroup?

Options:

- A- Primary Workload Network
- B- Load Balancer Network
- C- Frontend Network
- D- Supervisor Cluster Network

Answer:

D

Question 2

Question Type: MultipleChoice

What is required to enable Workload Management?

Options:

- A- vSphere Distributed Switch
- B- Windows Network Load Balancer
- C- Github repository
- D- NSX-V

Answer:

A

Explanation:

Configuring Workload Networks You configure one or more workload networks and their respective IP address ranges.

Each workload network is assigned a vSphere Distributed Switch port group and uses a defined IP range to allocate IP addresses to workloads (VMware Tanzu Kubernetes clusters).

Question 3

Question Type: MultipleChoice

Why would an organization set up private image registries?

Options:

- A- Role-based access control can be assigned by integrating the image registry with user identity management.
- B- DevOps engineers are able to store virtual machine images in a central location.
- C- Open source registry server projects enable organizations to modify them as necessary.
- D- Public image registries lack enterprise support.

Answer:

A

Explanation:

Explanation



VMware created Harbor in 2014. Harbor was shared with the community through an open-source license in 2016 and donated to the Cloud Native Computing Foundation (CNCF) in 2018.

Harbor is integrated into VMware products: vSphere Integrated Containers, Tanzu Kubernetes Grid Integrated Edition, and vSphere with Tanzu. The embedded Harbor for vSphere with Tanzu includes the following features: *

Identity integration and role-based access control

- * Graphical user interface
- * Auditing of operations
- * Management with labels

Question 4

Question Type: MultipleChoice

Which statement describes the characteristics of vSphere with Tanzu using vSphere Distributed Switch network topology?

Options:

- A- Supervisor Cluster control plane VMs are attached to the primary workload network.
- B- Supervisor Cluster control plane VMs are attached to primary and non-primary workload networks.
- C- vCenter Server is attached to all workload networks.
- D- Load balancer appliance is attached to all workload networks.

Answer:

Question 5

Question Type: MultipleChoice

Which kubectl command should be used to change the active vSphere namespace to namespace-01?

Options:

- A- kubectl config use-context namespace-01
- B- kubectl describe ns namespace-01
- C- kubectl get ns namespace-01
- D- kubectl config change-context namespace-01

Answer:

A

Explanation:

A context element in a kubeconfig file is used to group access parameters under a convenient name. Each context has three parameters: cluster, namespace, and user. By default, the kubectl command-line tool uses parameters from the current context to communicate with the cluster.

To choose the current context:

```
kubectl config use-context ctx001
```

Question 6

Question Type: MultipleChoice

A developer is trying to deploy a Kubernetes Application into a namespace within a Supervisor Cluster. The deployment must utilize the latest assets that have been pushed into the Registry Service.

What should the developer add to the YAML file to ensure that the deployment is successful?

Options:

- A- image: /<namespace>/<image name>:latest
- B- template: <image registry url>/<namespace name>/<image name> : latest
- C- image: <image registry url>/<namespace name>/<image name>:latest
- D- template: /<namespace name>/<image name>:latest

Answer:

C

Explanation:

Create an example pod spec with the details about the private registry.

apiVersion: v1

kind: Pod

metadata:

name: <workload-name>

namespace: <kubernetes-namespace>

spec:

containers:

- name: private-reg-container

image: <Registry-IP-Address>/<vsphere-namespace>/<image-name>:<version>

imagePullSecrets:

- name: <registry-secret-name>

Replace<workload-name>with the name of the pod workload.

Replace<kubernetes-namespace>with the Kubernetes namespace in the cluster where the pod will be created. This must be the same Kubernetes namespace where the Registry Service image pull secret is stored in the Tanzu Kubernetes cluster (such as the default namespace).

Replace<Registry-IP-Address>with the IP address for the embedded Harbor Registry instance running on the Supervisor Cluster.

Replace <vsphere-namespace> with the vSphere Namespace where the target Tanzu Kubernetes is provisioned.

Replace<image-name>with an image name of your choice.

Replace<version>with an appropriate version of the image, such as 'latest'.

Replace<registry-secret-name>with the name of the Registry Service image pull secret that you created previously.

Question 7

Question Type: MultipleChoice

The virtualization team supports many development teams on a Supervisor cluster. For a specific development team, they would like to limit persistent volumes that can be created on Tanzu Kubernetes clusters to only an NFS based storage array.

Which action should be taken to accomplish this goal?

Options:

- A- Use kubectl to create a storage class in the Supervisor cluster.
- B- Set a resource quota limiting the number of PVCs for that development team.
- C- Add a storage policy to that development team's Supervisor Namespace containing only the NFS datastore
- D- Disconnect non-NFS datastores from the ESXi hosts that make up the Supervisor cluster.

Answer:

C

Explanation:

The storage policy would become a storage class in Kubernetes.

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