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VMware vSphere with Tanzu Specialist

VMware 5V0-23.20

Version Demo

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QUESTION NO: 1

Which command displays the storage limits that have been set together with the amount of resources consumed?

A. kubect1 get resourcequotas

B. kubect1 config get-resourcequotas limits

C. kubect1 list resourcequotas

D. kubect1 describe resourcequotas

ANSWER: A

Explanation:

Create the ResourceQuota:

View detailed information about the ResourceQuota:

QUESTION NO: 2

Which three roles does the Spherelet perform? (Choose three)

A. Determines placement of vSphere pods

B. Manages node configuration

C. Starts vSphere pods

D. Provides a key-value store for pod configuration

E. Communicates with Kubernetes API

F. Provisions Tanzu Kubernetes clusters

ANSWER: B C E

Explanation:

Supervisor Cluster Architecture
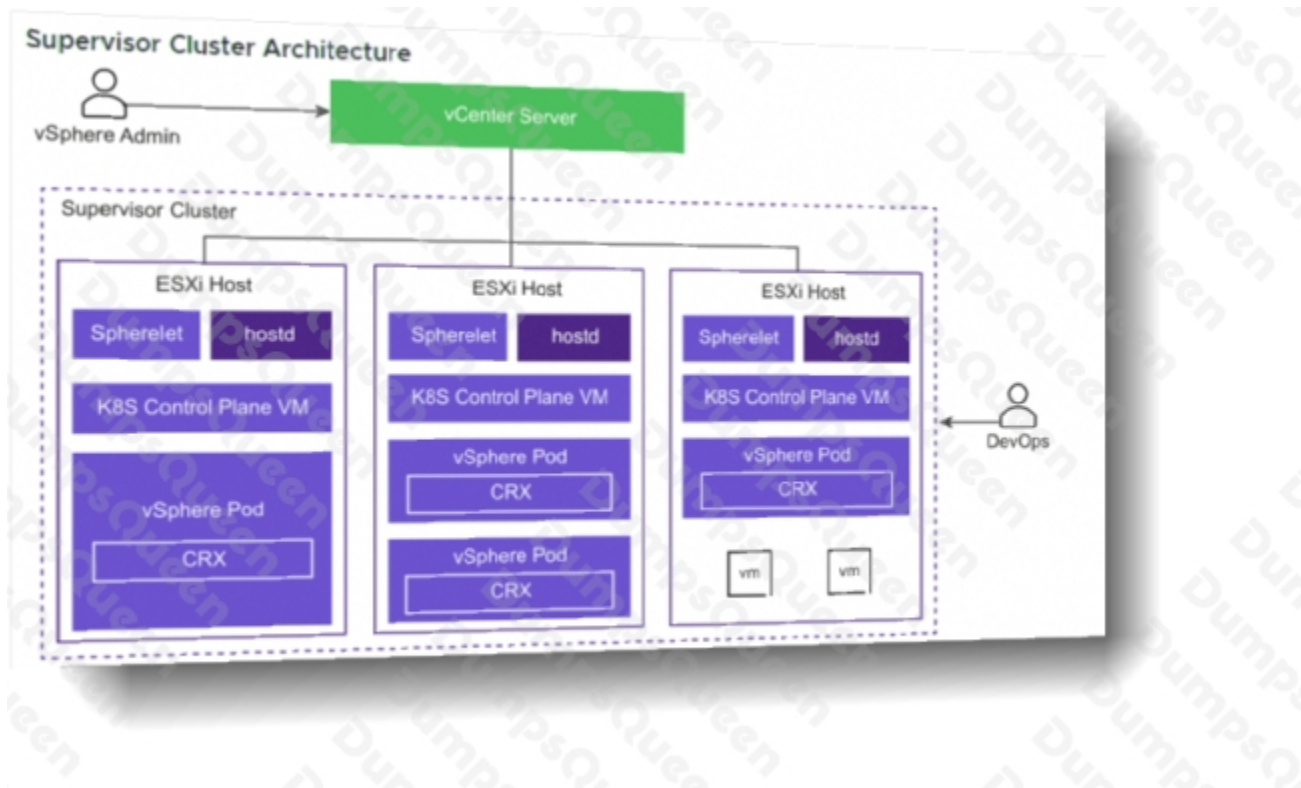
Spherelet is a kubelet that is ported natively to ESXi. It allows the ESXi host to become part of a Kubernetes cluster. Spherelet performs the following functions:

• Communicates with the control plane VMs

• Manages node configuration

• Starts vSphere Pods

• Monitors vSphere Pods

QUESTION NO: 3

An administrator is configuring a vSphere with Tanzu Supervisor Cluster with the vSphere networking stack.

Which two minimum requirements must be met for the compute and networking components? (Choose two.)

A. The cluster configured with vSphere High Availability enabled

B. A DHCP IP address range for the Kubernetes control plane VMs

C. A DHCP IP address range for the HA Proxy virtual IPs

D. A minimum of three distinct subnets

E. The cluster configured with vSphere DRS enabled and automation level set to Fully Automated

ANSWER: D E

QUESTION NO: 4

Which role should the vSphere administrator apply for the developer?

A. Assign the developer user with the "can edit" role at the vSphere Namespace object.

B. Assign the developer user with the 'VSphere Kubernetes Manager" role at the vSphere Namespace object.

C. Assign the developer user with the 'VSphere Kubernetes Manager" role at the cluster object.

D. Assign the developer user with the "can edit" role at the cluster object.

ANSWER: A

Explanation:

Create a namespace

Set permissions for users and user groups
to access the namespace

Assign storage policies

Set capacity and usage quotas
for storage, CPU, and memory

Assign VM classes

Assign content libraries

Optional. Set limits on Kubernetes objects

Permissions for programmers should be assign at the Namespace level, typically using groups and roles.

You assign roles for the Namespace to Active Directory groups. You can later assign access to users by adding them to these groups. You assign access to separate Active Directory groups for the edit and view roles in the Namespace.

QUESTION NO: 5

How are updates applied to Tanzu Kubernetes clusters?

A. The cluster is shutdown, Update Manager applies patches to VMs, and the cluster is restarted.

B. Worker nodes are shutdown while Controllers are patched and restarted after the update.

C. New nodes are incrementally added with new Kubernetes versions so as a new node is added, an older node is removed.

D. A new cluster is completely configured and runs in parallel to the primary cluster prior to switchover.

ANSWER: C

QUESTION NO: 6

How is the storage selected for the Harbor pods when the embedded Harbor image registry is enabled?

A. vCenter Server automatically selects a local ESXi host datastore.

B. An administrator selects a VM storage policy as part of enablement.

C. vCenter Server automatically chooses a VM storage policy.

D. An administrator selects a specific datastore as part of enablement.

ANSWER: B

Explanation:

Enabling Harbor Image Registry

The vSphere administrator uses the vSphere Client to enable Harbor. To enable this component, select a cluster, select Configure > Namespaces > Image Registry, and click ENABLE HARBOR:

• A VM Storage Policy is required to allocate storage for the Harbor pods.

• An IP Address, based on the ingress CIDR range, is allocated for the Harbor management interface.

• After a few minutes, Harbor is deployed and running. 184

QUESTION NO: 7

At which three levels of the vSphere Client is information about Kubernetes Persistent Volumes found? (Choose three.)

A. Resource Pool

B. Cluster

C. vCenter

D. Datastore

E. Virtual Machine

F. Network

ANSWER: B C D

QUESTION NO: 8

Which summary page should an administrator use in the vSphere Client to identify the CPU resources consumed in a namespace?

A. ESXi host

B. Namespace

C. vSphere cluster

D. Supervisor Cluster

ANSWER: B

QUESTION NO: 9

Kubernetes object types are going to be limited by an administrator within a vSphere with Tanzu namespace. Which three Kubernetes object types may be limited? (Choose three.)

A. Number of Persistent Volume Claims

B. Number of Pods

C. Number of Operators

D. Number of DaemonSets

E. Number of Ingress frontends

F. Number of Load Balancer Services

ANSWER: A B F

Explanation:

https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-1238AFD8-232C-4EFC-BD54-796CB9F8C45F.html

Resource Name Description

configmaps The total number of ConfigMaps that can exist in the namespace.

persistentvolumeclaims The total number of PersistentVolumeClaims that can exist in the namespace.

pods The total number of Pods in a non-terminal state that can exist in the namespace. A pod is in a terminal state if .status.phase in (Failed, Succeeded) is true.

replicationcontrollers The total number of ReplicationControllers that can exist in the namespace.

resourcequotas The total number of ResourceQuotas that can exist in the namespace.

services The total number of Services that can exist in the namespace.

services.loadbalancers The total number of Services of type LoadBalancer that can exist in the namespace.

services.nodeports The total number of Services of type NodePort that can exist in the namespace.

secrets The total number of Secrets that can exist in the namespace.

QUESTION NO: 10

A developer is trying to deploy a Kubernetes Application by using an image from the embedded Registry Service into an existing Namespace within a Supervisor Cluster.

Which three steps must be completed to ensure the deployment is successful? (Choose three.)

A. Include the image: //: in the YAML spec.

B. Run kubectl config use-context to switch to the correct namespace.

C. Run kubectl config set-context to switch to the correct namespace.

D. Pull the image into the Registry service with docker pull //:.

E. Include the image: /: in the YAML spec.

F. Push the image to the Registry service with docker push //:.

ANSWER: A B D