DUMPSARENA

VMware vSphere with Tanzu Specialist

VMware 5V0-23.20

Version Demo

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QUESTION NO: 1

Which three elements should be configured by a vSphere administrator after creating vSphere Namespace? (Choose three.)

A. Permissions

B. Capacity and Usage limits

C. License

D. Namespace name

E. Storage Policy

F. NSX Segment

ANSWER: A B E

Explanation:

Creating a Namespace

A vSphere administrator configures permissions and storage before a namespace can be used:

• Assign edit or view permissions to users. Users must be present in a configured single sign-on (SSO) identity source.

• Must assign a VM storage policy to the namespace.

• Can define resource limits (optional).

• Must add a content library to enable the Tanzu Kubernetes Grid Service.

QUESTION NO: 2

A development team has deployed a Tanzu Kubernetes cluster and would like to verify the version of Kubernetes that is running. Which command will show this information?

A. kubectl describe tkc dev-cluster

B. kubectl explain tkg dev-cluster

C. kubectl get version

D. kubectl get vm dev-cluster

ANSWER: C

Explanation:

Print the client and server version information.

Synopsis

Print the client and server version information.

QUESTION NO: 3

Which three characteristics are true of Control Plane VMs? (Choose three.)

A. They can be resized by administrators directly through vCenter Inventory View.

B. They each run the Spherelet.

C. They each expose the Kubernetes API.

D. They do not run any Kubernetes Pods.

E. They are connected to a Management portgroup.

F. They are deployed via a vCenter Service.

ANSWER: A B E

QUESTION NO: 4

The creation of which object by an administrator in the vSphere client automatically results in the creation of a new segment within NSX -T?

A. Service

B. Pod

C. Network policy

D. Namespace

ANSWER: D

Explanation:

NSX Container Plugin (NCP) runs as a pod on the control plane VMs. It listens for requests for network objects to the API server and interfaces with the NSX Manager to create, update, or delete those objects:

• A request to create a namespace results in a new NSX segment.

• A request to deploy a pod results in a segment port request and IP assignment.

• A request to create a service results in a new virtual server.

• A request to create a network policy results in a new distributed firewall rule.

QUESTION NO: 5

Which two container network interfaces (CNIs) are supported with Tanzu Kubernetes clusters created by the Tanzu Kubernetes Grid Service? (Choose two)

A. NSX-T

B. Weave Net

C. Flannel

D. Antrea

E. Calico

ANSWER: D E

Explanation:

https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-A7756D67-0B95-447D-A645-E2A384BF8135.html

A Tanzu Kubernetes cluster provisioned by the Tanzu Kubernetes Grid Service supports two CNI options: Antrea (default) and Calico. Both are open-source software that provide networking for cluster pods, services, and ingress.

Tanzu Kubernetes clusters provisioned by the Tanzu Kubernetes Grid Service support the following Container Network Interface (CNI) options:

Explanation

Tanzu Kubernetes Grid Service CNI

Tanzu Kubernetes Grid Service supports Antrea and Calico as container network interfaces (CNI).

The default CNI in vSphere 7 Update 1 is Antrea.

Antrea is a VMware-supported, open source, Kubernetes-native project that implements the container network interface (CNI) and Kubernetes network policy, providing network connectivity and security for pod workloads. Antrea extends the benefit of programmable networks from Open vSwitch (OVS) to Kubernetes.

For more information about Antrea, see https://antrea.io/

QUESTION NO: 6

Which two networks are used to attach Supervisor Cluster control plane VMs when using the vSphere networking stack? (Choose two.)

A. vMotion

B. Frontend

C. Primary workload

D. Management

E. Non-primary workload

ANSWER: D E

QUESTION NO: 7

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.

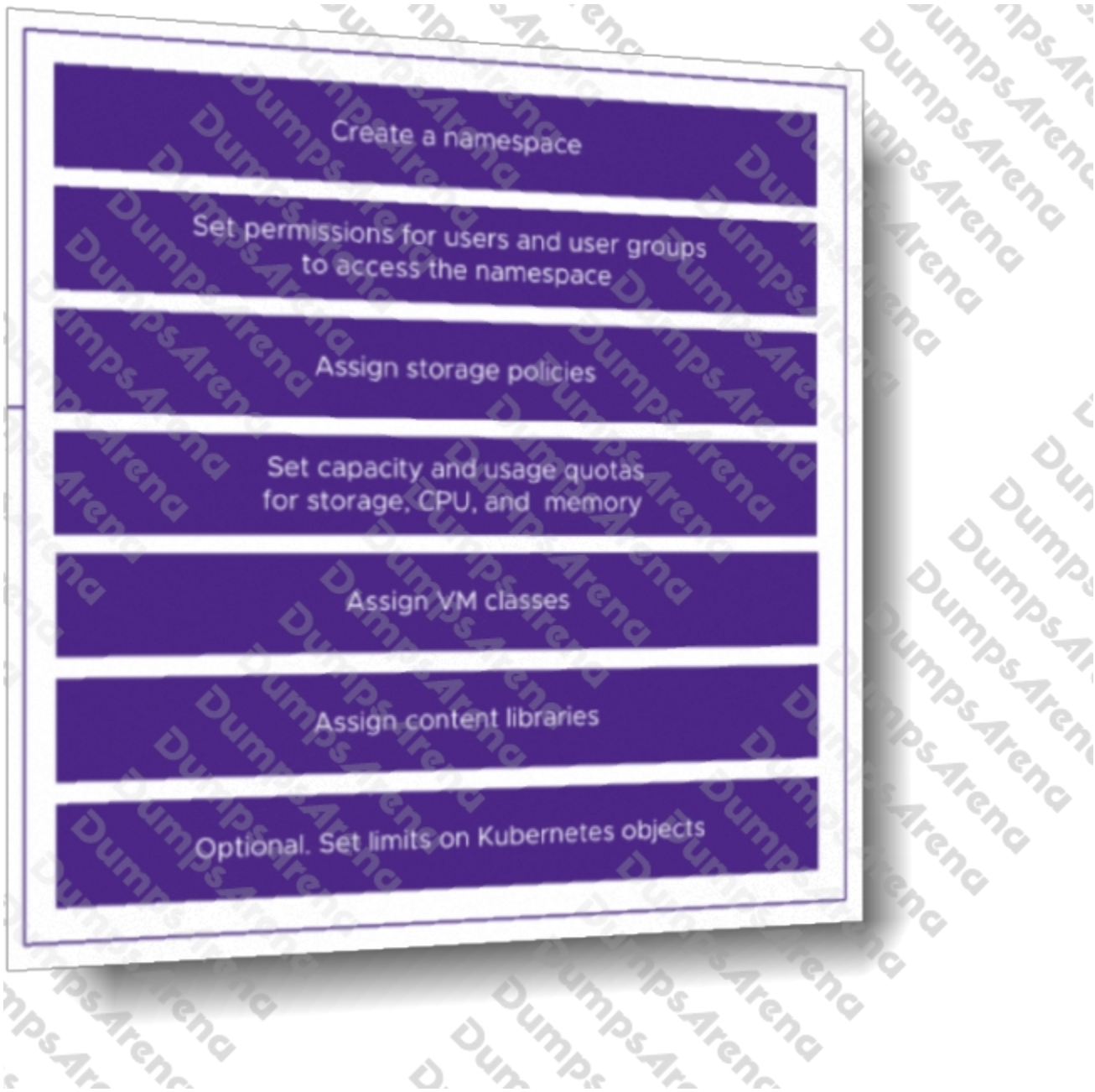
B. Assign the developer user with the 'VSphere Kubernetes Manager" role at the vSphere Namespace object.

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:



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: 8

A Namespace contains multiple Tanzu Kubernetes clusters.

How is access granted to a single Tanzu Kubernetes cluster?

A. Create a custom Role and RoleBinding, and then apply to the Namespace using kubectl commands.

B. Use the vSphere Client to grant access to the Namespace.

C. Create a custom Role and RoleBinding, and then apply to the Tanzu Kubernetes cluster using kubectl commands.

D. Use the vSphere Client to grant access to the Tanzu Kubernetes cluster.

ANSWER: C

QUESTION NO: 9

Which two capabilities are associated with vSphere Pod? (Choose two.)

A. Compatibility with vSphere vMotion

B. Compatibility with vSphere performance charts

C. Compatibility with NSX-V Datacenter

D. Compatibility with vSphere HA and DRS

E. Compatibility with Windows and Linux kernels

ANSWER: C D

Explanation:

vSphere Pods are only supported on Supervisor Clusters that use NSX-T Data Center as their networking stack.

Resource Management. vSphere DRS handles the placement of vSphere Pods on the Supervisor Cluster.

QUESTION NO: 10

On which network are TKG clusters deployed in vSphere with Tanzu when using the vSphere networking stack?

A. Workload

B. Backend

C. Edge

D. Frontend

ANSWER: A

Explanation:

The Workload Network, such as TKGS-VLAN1000, is where the Tanzu Kubernetes clusters run.

A workload network is a network construct that is used by supervisor control plane VMs and vSphere namespaces:

• The workload network is supported by a vSphere Distributed Switch port group.

• An IP range is defined to allocate an IP address for VMs attached to the workload network.

• A primary workload network must be selected.

• The supervisor control plane VMs attach to the primary workload networks port group.

A workload network can be used by multiple namespaces. A namespace can be assigned only one workload network.