EXAMTOPICS

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Question #1 *Topic 1*

An administrator enabled cluster scaling by executing the following command:

kubectl edit deployment

The administrator updated the spec.replicas from 5 to 10.

After the cluster was redeployed, the deployment was running 5 replicas.

What explains this behavior?

A. The autoscaling YAML file was not updated.

B. The supervisor YAML file was not updated to enable autoscaling.

C. The cluster YAML file was not updated to reflect the requested number of pods.

D. The cluster did not have sufficient resources to deploy the requested number of pods.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #2 *Topic 1*

What Kubernetes object is used to set permissions on namespaces?

A. NetworkPolicy

B. ClusterRole

C. Role

D. User

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #3 *Topic 1*

An administrator is updating a VMware vSphere Kubernetes Service (VKS) cluster by editing the cluster manifest. When saving, there is no indication that the edit was successful.

Based on the scenario, what actions should the administrator take to edit and apply changes to the manifest?

A. Verify the account editing the cluster manifest has appropriate permissions.

B. Define the KUBE_EDITOR or EDITOR environment variable.

C. Ensure the files permissions are set to RW.

D. Restart the VKS services and edit the file again.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #4 *Topic 1*

An organization has standardized on the following configurations:

vSphere Kubernetes Services upgrade is separate from vCenter upgrades.

A private registry will be utilized.

What is the recommended solution to adhere to these standards?

A. Issue a kubectl command pointing service definition to the private registry.

B. Issue a PowerCLI command to point to the private registry.

C. When uploading the service definition, choose Asynchronous Public.

D. When uploading the service definition, choose Asynchronous Private.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #5 *Topic 1*

What role does Contour play in a VMware vSphere Kubernetes Service (VKS) architecture?

A. Contour provides encryption services for pod to pod network traffic.

B. Contour provides ingress management at the application layer.

C. Contour provides egress management at the application layer.

D. Contour provides load balancing for ingress traffic.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #6 *Topic 1*

An administrator is building a secure, multi-tenant container registry strategy for their vSphere Kubernetes Services deployment running on VMware Cloud Foundation. Each workload domain hosts a Supervisor Cluster, and multiple development teams require private repositories to store and distribute container images for Kubernetes Clusters.

The organization enforces strict image security posture due to government compliance requirements (NCA and ISO 27001). To meet these requirements:

The operations team deploys Harbor as an add-on service through the Supervisor control plane.

Developers now push and pull images from Harbor through Kubernetes manifests.

What requirement describes the role and purpose of Harbor?

A. Harbor is an image scanner used to verify that images are free from known vulnerabilities and patches as necessary.

B. Harbor is an open-source registry that secures artifacts with policies and role-based access control, ensures images are scanned and free from vulnerabilities, and signs images as trusted.

C. Harbor is an image repository that pulls all images from GitHub.

D. Harbor is a Git repository for storing Kubernetes manifests.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #7 *Topic 1*

What two configurations must be applied to a vSphere cluster to support a Supervisor deployment? (Choose two.)

A. ESX hosts are connected to a vSphere Distributed Switch.

B. ESX hosts are connected to a vSphere Standard Switch.

C. vSphere HA and Partially Automated DRS are enabled.

D. vSphere HA and Fully Automated DRS are enabled.

E. vSphere HA and DRS are disabled.

Suggested Answer: *A, D*

Currently there are no comments in this discussion, be the first to comment!

Question #8 *Topic 1*

What component is used to provision VMware vSphere Kubernetes Service (VKS) service mesh workload clusters?

A. Harbor

B. Carvel

C. Cert-manager

D. Cluster API

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #9 *Topic 1*

An administrator is upgrading to VKS 3.4 and encounters the following error during cluster creation using workload.yaml:

How should the administrator resolve this issue to successfully complete the upgrade?

```
Error from server (Forbidden): error when creating "workload.yaml": admission webhook
"capi.mutating.tanzukubernetescluster.run.tanzu.vmware.com" denied the request: Cluster and variable validation failed:
[spec.topology.variables[defaultStorageClass]: Invalid value: "\"vks-storage-policy\"": variable is not defined,
spec.topology.variables[nodePoolVolumes]: Invalid value: "[{\"capacity\":
{\"storage\":\"100Gi\"},\"mountPath\":\"/var/lib/containerd\",\"name\":\"containerd\",\"storageClass\":\"vks-storage-policy\"},
{\"capacity\":{\"storage\":\"100Gi\"},\"mountPath\":\"/var/lib/kubelet\",\"name\":\"kubelet\",\"storageClass\":\"vks-storage-
policy\"}]": variable is not defined, spec.topology.variables[trust]: Invalid value: "{\"additionalTrustedCAs\":
[{\"name\":\"additional-ca-1\"}]}": variable is not defined]
```

A. Remove the deprecated variables and apply the new workload.yaml.

B. Restart the Kubernetes services and restart the upgrade.

C. Verify workload cluster versions to ensure compatibility

D. Rename the vSphere storage policy and apply the new workload.yaml.

Suggested Answer: *A*

The errors show undefined deprecated variables; remove them from workload.yaml.

Currently there are no comments in this discussion, be the first to comment!

Question #10 *Topic 1*

An administrator has been tasked with enabling backup for a vSphere Kubernetes cluster.

How does the administrator configure a backup?

A. Set the BackupStorageLocation in Velero to use the storage allocated to the namespace for the cluster.

B. Set the BackupStorageLocation in Velero to an S3-compatible object store.

C. Use vSphere replication to backup the virtual machines the cluster is deployed on.

D. Take a vSAN snapshot of the virtual machines the cluster is deployed on.

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #11 *Topic 1*

After upgrading the vSphere Supervisor, an administrator notices that the vSphere Kubernetes Service, configured as a Core Supervisor Service, is stuck in a “Configuring” state.

What should the administrator do to finish the upgrade?

A. Ensure the vSphere Kubernetes Service is a supported version.

B. Verify the AppPlatform operator user account can authenticate with vCenter.

C. Restart the supervisor service.

D. Verify the administrator account can authenticate to the Supervisor service.

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Question #12 *Topic 1*

An administrator runs several critical workloads on vSphere Kubernetes Services. An audit identified an outdated container image with a known CVE that exposed internal APIs to unauthorized access. To mitigate this risk and enhance image security, the administrator enabled Harbor as a Supervisor Service.

Which two Harbor registry capabilities help the organization prevent a recurrence of this type of security incident? (Choose two.)

A. Automatic image update

B. Vulnerability scanning

C. Image signing

D. Automatic image validation

E. Deploy both container and virtual machine images

Suggested Answer: *B, C*

Currently there are no comments in this discussion, be the first to comment!

Question #13 *Topic 1*

An administrator is operating a sovereign private cloud built on VMware Cloud Foundation (VCF) and is providing an isolated Supervisor Namespaces as well as associated Kubernetes Clusters. The architecture needs to ensure that both platform administrators and DevOps teams can consistently provision, manage, and monitor these clusters across environments while maintaining compliance with internal governance and automation frameworks, taking into consideration the following requirements:

Deploying and scaling Kubernetes Clusters.

Managing Supervisor Namespaces and configurations.

Monitoring cluster health, workloads, and resources across tenants.

What three methods are supported for provisioning, managing, and monitoring VMware vSphere Kubernetes Service (VKS) clusters? (Choose three.)

A. vSphere UI

B. VCF CLI

C. kubectl

D. esxcli

E. Cluster API

F. esxtop

Suggested Answer: *A, B, C*

Currently there are no comments in this discussion, be the first to comment!

Question #14 *Topic 1*

An administrator set the following value: ENABLE_AUDIT_LOGGING=true during cluster deployment.

Which statement explains the benefit of this setting?

A. Activate the kubectl describe command for Custom Resource Definitions (CRDs) introduced by Cluster API.

B. Enable log redirection to external logging server by Fluent Bit.

C. Log metadata about all requests made to the Kubernetes API server.

D. Run scripts that collect Kubernetes API output, node logs, and node command-line output.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #15 *Topic 1*

What is a vSphere Pod in a VMware vSphere Kubernetes Service (VKS) cluster?

A. A vSphere Pod has persistent storage, by default.

B. vSphere Pod is a security feature that isolates pods from one another.

C. vSphere Pod is a containerized application running on a virtual machine.

D. A vSphere Pod has its own dedicated Linux kernel.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #16 *Topic 1*

An administrator is deploying a vSphere supervisor with NSX, what will determine the deployment size for the load balancer?

A. the number of kubernetes pods that will be deployed.

B. the number of vSphere Kubernetes clusters deployed.

C. the Edge node form factor.

D. the Edge cluster form factor.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #17 *Topic 1*

A VMware vSphere Kubernetes Service (VKS) Administrator is tasked to leverage day-2 controls to monitor, scale, and optimize Kubernetes clusters across multiple operating systems and workload characteristics.

What two steps should the administrator take? (Choose two.)

A. Deploy Prometheus and Grafana to collect and display scrapeable metrics on nodes, pods, and applications.

B. Configure Namespace quotas to set resource limits for CPU, memory, and storage.

C. Disable Cluster Autoscale to ensure resources in the pool are not depleted.

D. Set all Virtual Machine (VM) Classes limits to Compute-Heavy to ensure worker nodes get all the resources needed.

E. Ensure all node pools use the same Machine Deployment configuration for different workload characteristics.

Suggested Answer: *A, B*

Currently there are no comments in this discussion, be the first to comment!

Question #18 *Topic 1*

An administrator is upgrading an existing VMware vSphere Kubernetes Service (VKS) cluster and receives the following errors:

The administrator was able to successfully update the supervisor. An attempt to update the cluster failed.

Based on the scenario, what is the cause of the problem?

```
`kubectl get nodes` command fails -- with `memcache.go` and `server is currently unable to handle the request` errors<br
/>memcache.go:287] couldn't get resource list for stats.antrea.tanzu.vmware.com/v1alpha1: the server is currently unable to handle
the request<br />yaml: mapping values are not allowed in this context
```

A. The administrator is in the wrong cluster context.

B. The Kubernetes version that is being upgraded is no longer supported.

C. The administrator does not have the appropriate permissions to upgrade the cluster.

D. There was an error pulling the update image from the catalog.

Suggested Answer: *A*

The error indicates a YAML mapping value is invalid in this context, consistent with the wrong cluster context.

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Question #19 *Topic 1*

Which three objects or object types are within the scope of a cluster backup for VMware vSphere Kubernetes Service (VKS)? (Choose three.)

A. Cluster

B. Namespace

C. Application

D. Objects identified by a label selector

E. Objects identified by a tag

F. Service

Suggested Answer: *B, C, D*

Currently there are no comments in this discussion, be the first to comment!

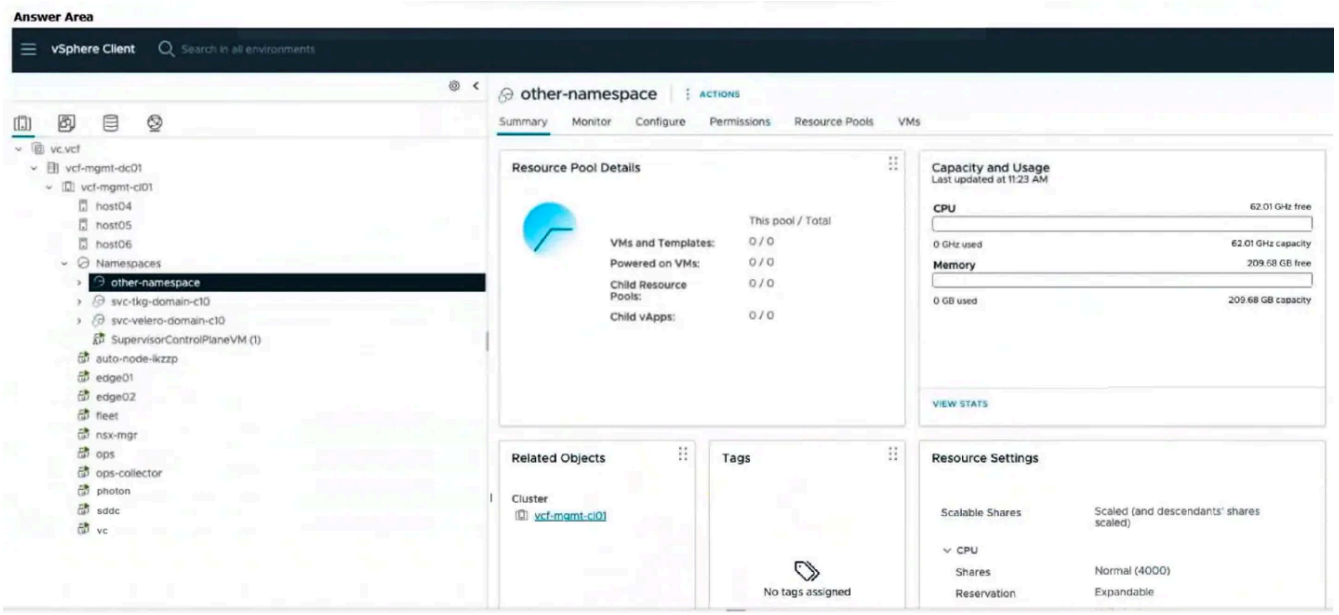
Question #20 *Topic 1*

HOTSPOT

An administrator is tasked to create a new vSphere Zone for the highlighted namespace.

Click the section of the interface where the administrator would navigate to start creating a new zone.

Answer Area



Suggested Answer:
Select the Namespace object or its Actions menu to begin creating a zone.

Currently there are no comments in this discussion, be the first to comment!

Question #21 *Topic 1*

What tool can be used to backup and restore workloads on clusters provisioned by vSphere Supervisor?

A. Restic

B. Site Recovery Manager

C. Velero

D. VMware Live Recovery

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #22 *Topic 1*

What two components run in a VMware vSphere Kubernetes Service (VKS) cluster? (Choose two.)

A. Container Storage Interface

B. Cloud Provider Implementation

C. Container Network Model

D. Docker Volume Plugin

E. Container Libnetwork Implementation

Suggested Answer: *A, B*

b724cb6 Most Recent 1 month, 1 week ago

Selected Answer: AB

Should be Cloud Provider Interface and Cloud Storage Interface. Container Network n is the 3rd and not listed.

upvoted 1 times

Question #23 *Topic 1*

What two resources can create ExternalDNS records? (Choose two.)

A. Contour HTTPProxy

B. Kubernetes pods

C. Kubernetes services

D. Virtual machines

E. Kubernetes nodes

Suggested Answer: *A, C*

Currently there are no comments in this discussion, be the first to comment!