

- **Vendor:** VMware
- **Exam Code:** 1V0-71.21
- **Exam Name:** Associate VMware Application Modernization
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**Question:1**

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What are two ways a container in a Pod can consume ConfigMap data? (Choose two.)

- A. Mounted as a Persistent Volume Claim (PVC)
- B. From Read-only files
- C. From Read-write files
- D. From Environment variables
- E. Containers do not consume ConfigMap data

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**Answer: B,D**

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Explanation:

Reference: <https://kubernetes.io/docs/concepts/configuration/configmap/>

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**Question:2**

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Which VMware product provides the ability to connect and protect microservices across any runtime and any cloud?

- A. Tanzu Network Profiler
- B. Tanzu Observability
- C. Tanzu Service Mesh
- D. NSX Advanced Load Balancer

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**Answer: C**

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Explanation:

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References:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/vmware-tanzu-service-mesh-datasheet.pdf>

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**Question:3**

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What are three capabilities of the VMware Tanzu Portfolio? (Choose three.)

- A. Unified, Global Multi-Cluster Management
- B. Container Build Automation
- C. Physical Infrastructure Automation
- D. Integrated Developer Environment (IDE)
- E. Tanzu Programming Language
- F. Enterprise-Ready Kubernetes Runtime

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**Answer: A, B, F**

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Explanation:

Reference: <https://tanzu.vmware.com/tanzu>

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**Question:4**

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What two kubectl commands would provide the status of Pod in a Kubernetes cluster? (Choose two.)

- A. kubectl get pods
- B. kubectl describe pods
- C. kubectl pods status
- D. kubectl status pods

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**Answer: A, B**

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Explanation:

Reference: <https://kubernetes.io/docs/reference/kubectl/overview/>

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**Question:5**

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What is the relationship between Kubernetes and containers?

- A. There is no relationship between Kubernetes and containers
- B. Kubernetes provides a platform for managing containerized workloads
- C. Kubernetes is a place where you store container images
- D. Kubernetes provides a way to build containers

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**Answer: B**

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Explanation:

Reference:

<https://www.stackchief.com/tutorials/What%20is%20Kubernetes%3F%20%7C%20Kubernetes%20Tutorial>

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**Question:6**

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What is the purpose of a container?

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- A. Make it difficult to change the environment that an application runs on
- B. Abstract a running application from the environment that it runs on
- C. Make it easy to change the runtime that an application uses
- D. Allow a complex application to run as a single unit

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**Answer: D**

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Explanation:

Reference: <https://www.cio.com/article/2924995/what-are-containers-and-why-do-you-need-them.html>

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**Question: 7**

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What is the valid way to deploy a Pod in a Kubernetes cluster?

- A. Copy a manifest file to the API server in the /etc/kubernetes/pods directory
- B. SSH to the worker node where the Pod is desired to run and issue the command “kubectl apply -f myPod.yaml”
- C. Copy a manifest file to a worker node in the /etc/kubernetes/pods directory
- D. Issue the command “kubectl apply -f myPod.yaml”

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**Answer: B**

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Explanation:

Reference: <https://medium.com/analytics-vidhya/mlops-dockers-and-kubernetes-essentials-for-a-data-scientist-8bc7b5866957>

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**Question: 8**

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VMware Tanzu is a family of products and services for modernizing \_\_\_\_\_ and \_\_\_\_\_.

- A. Networks and Servers
- B. Applications and Infrastructure
- C. Networks and Applications
- D. Infrastructure and Networks

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**Answer: B**

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Explanation:

Reference: <https://tanzu.vmware.com/content/blog/all-the-ways-vmware-tanzutm-works-with-aws#:~:text=VMware%20Tanzu%20is%20a%20family,deliver%20better%20software%20to%20production.&text=VMware%20Tanzu%20enables%20development%20and,to%20deliver%20transformativ e%20business%20results>

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**Question:9**

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Which two goals can be achieved using a Kubernetes

deployment? (Choose two.)

- A. Change the container image in a Pod
- B. Define different classes of storage
- C. Increase the number of replicas of a given Pod
- D. Grant an Active Directory user access to a Kubernetes cluster
- E. Ensure that only one instance of a Pod will run on every node in a Kubernetes cluster

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**Answer: A, C**

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Explanation:

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**Question: 10**

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Which Kubernetes Service type is invalid?

- A. LoadBalancer
- B. NodePort
- C. InternalName
- D. ExternalName
- E. ClusterIP

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**Answer: C**

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Explanation:

Reference: <https://kubernetes.io/docs/concepts/services-networking/service/>

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**Question: 11**

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List three benefits of Tanzu Mission Control: (Choose three.)

- A. Converts your Kubernetes Clusters to ClusterAPI Mode
- B. Enhances operational efficiency
- C. Strengthens security and compliance
- D. Provides CI/CD Pipeline Automation
- E. Increases developer agility and productivity

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**Answer: B, C, E**

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Explanation:

Reference: <https://tanzu.vmware.com/mission-control>

**Question: 12**

What is the result of Continuous Delivery?

A. An application build has been produced and ready for deployment to production

- B. A broken application build is able to be fixed rapidly
- C. An application build artifact has been produced
- D. An application build has been produced and deployed to production

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**Answer: A**

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Explanation:

Reference: <https://www.atlassian.com/continuous-delivery/principles/continuous-integration-vs-delivery-vs-deployment>

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**Question: 13**

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Why do enterprises need Application Modernization?

- A. To build new applications is the only way to achieve a modern application
- B. To realize the benefits of unstructured data over relational databases
- C. The cost of maintaining older applications are too great
- D. To migrate all applications to the cloud

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**Answer: C**

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Explanation:

Reference: <https://www.anblooks.com/blog/key-benefits-of-application-modernization/>

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**Question: 14**

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Which are three container registries? (Choose three.)

- A. Google Container Registry
- B. Amazon Container Image Service
- C. Docker Hub
- D. Open Container Image Registry
- E. Harbor
- F. VMware Container Registry

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**Answer: B, E, F**

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Explanation:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-376FCCD1-7743-4202-ACCA-56F214B6892F.html>

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**Question: 15**

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Which are three valid ways to specify a Namespace when creating an object in Kubernetes? (Choose three.)

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- A. Specifying the Namespace in a ConfigMap
- B. Specifying the Namespace in the container image for the object provided to “kubectl apply”
- C. Specifying the Namespace in the context of the kubectl configuration file
- D. Specifying the Namespace as an environment variable
- E. Specifying the Namespace in the manifest file for the object provided to “kubectl apply”
- F. Using the “--namespace” option when issuing a kubectl command

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**Answer: B, C, F**

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Explanation:

Reference: <https://www.vmware.com/topics/glossary/content/kubernetes-namespace>

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**Question: 16**

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What is the minimum VMware Tanzu Edition that can be used to deploy Tanzu Kubernetes Grid on AWS?

- A. Tanzu Advanced
- B. Tanzu Enterprise
- C. Tanzu Standard
- D. Tanzu Basic

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**Answer: D**

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Explanation:

Reference: <https://vmc.techzone.vmware.com/resource/deploy-tanzu-kubernetes-grid-vmc-aws#prerequisites-and-considerations>

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**Question: 17**

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Which are two cluster management capabilities of Tanzu Mission Control? (Choose two.)

- A. Data protection
- B. Multi-cloud distributed clusters
- C. Cluster migration
- D. Data encryption
- E. Cluster observability and diagnostic

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**Answer: A, E**

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Explanation:

Reference: <https://docs.vmware.com/en/VMware-Tanzu-Mission-Control/services/tanzumc-concepts/GUID-E2B5BE05-596E-4999-9B21-1CDB875A1BBF.html>

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**Question: 18**

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Which two statements are true about Kubernetes Pods? (Choose two.)

- A. A Pod is always highly available.
- B. A Pod runs one or more containers.
- C. A Pod can run no more than one container.
- D. A Pod is the smallest execution unit in Kubernetes.
- E. A Pod is a standard unit of software that packages up code and all its dependencies.

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**Answer: B,D**

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Explanation:

Reference: <https://www.vmware.com/topics/glossary/content/kubernetes-pods>

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**Question: 19**

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Which two VMware Tanzu Editions include Tanzu Mission Control functionality? (Choose two.)

- A. Tanzu Basic
- B. Tanzu Advanced
- C. Tanzu Standard
- D. Tanzu Platinum
- E. Tanzu Intermediate

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**Answer: B,C**

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Explanation:

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**Question: 20**

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Which statement is FALSE regarding Kubernetes Services?

- A. A service can be pointed to another service.
- B. All services require selectors to function properly.
- C. Services expose applications running on a pod or set of pods.
- D. Services enable communication between pods running on different nodes.

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**Answer: B**

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Explanation:

Reference: <https://www.vmware.com/topics/glossary/content/kubernetes-services>