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Question 1

Question Type: MultipleChoice

Which two Tanzu Kubernetes Grid service component must an administrator configure within VMware Cloud to enable to deploy a namespace or their Kubernetes Application developments? (Choose two)

Options:

A- Tanzu Service Mesh

B- Tanzu Application Platform

C- Tanzu Kubernetes Cluster

D- Management cluster

E- Tanzu Observability by Wavefront

Answer:

C, D

Explanation:

Tanzu Kubernetes Grid is a service from VMware Cloud that enables customers to deploy and manage Kubernetes applications in the cloud. In order to deploy a namespace or their Kubernetes Application developments, an administrator must configure a Tanzu Kubernetes Cluster and a Management Cluster.

A Tanzu Kubernetes Cluster is a cluster of nodes that are used to run applications and services. The nodes are connected to the Management Cluster, where administrators can manage and monitor deployments.

The Management Cluster is a cluster of nodes that are used to manage and monitor the Tanzu Kubernetes Cluster nodes. It provides the tools to manage and monitor deployments, as well as to configure and maintain the Tanzu Kubernetes Cluster nodes.

According to VMware's official website, 'Tanzu Kubernetes Grid is a service that provides a simplified way to deploy and manage Kubernetes applications in the cloud. It provides a single control plane for managing multiple Kubernetes clusters, allowing customers to easily deploy and manage their applications across multiple clusters and environments.' [1]

[1]https://www.vmware.com/products/tanzu-kubernetes-grid.html

Question 2

Question Type: **MultipleChoice**

A customer needs additional capacity to handle seasonal spikes and decides to use a VMware Public cloud provider the extra capacity. Which use case describes this customer scenario?

Options:

A- Disaster recovery

B- Data center extension

C- Cloud migrations

D- Modernizing applications

Answer:

B

Explanation:

This customer scenario describes a use case of extending the capacity of an existing data center with a public cloud provider, such as VMware Cloud. This allows the customer to extend their capacity to handle seasonal spikes in demand, without having to invest in additional physical infrastructure or make significant changes to their existing setup.

According to VMware's official website, 'VMware Cloud enables customers to extend their data centers to the public cloud and dynamically scale capacity up or down with the same tools, processes, and policies they use today in their private cloud or data center environments.' [1]

[1]https://www.vmware.com/products/vmware-cloud.html

Question 3

Question Type: MultipleChoice

A cloud administrator has a portion of its on-premises infrastructure hardware that is going to be again out of its support lifecycle later this year. Due to the regulatory requirement, the applications running on this hardware cannot be migrated to the public cloud, but the Administrator is also trying to reduce its operational expenses of managing and maintaining the hardware it owns and reduce capital expenditures. Which two solutions would achieve these goals? (Choose two.)

Options:

A- VMware Cloud on AWS Outpost

B- VMware Cloud on Dell EMC

C- VMware Cloud Foundation

D- Oracle Cloud VMware Solution

E- VMware Cloud on AWS

Answer:

A, B

Explanation:

VMware Cloud on AWS Outposts (A):

On-premises VMware Environment:This solution deploys a VMware SDDC (Software-Defined Data Center) as a fully managed service offering on your premises. It provides a consistent VMware environment that is maintained and operated by VMware and AWS.

Reduced OpEx and CapEx:Outposts eliminates the need to purchase and maintain hardware, reducing both capital and operational expenses.

Regulatory Compliance:The on-premises deployment ensures that data remains within your data center boundaries, addressing regulatory concerns.

VMware Cloud on Dell EMC (B):

Hybrid Cloud with Hardware Ownership:This solution brings VMware's software-defined stack onto Dell EMC hardware that remains under your ownership. Dell EMC manages the hardware lifecycle, reducing some operational burden.

OpEx Savings:This solution shifts some operational costs to a subscription-based model, helping to reduce operational expenses compared to full hardware ownership.

Regulatory Compliance:Similar to Outposts, deployment in your datacenter helps address potential regulatory requirements for data sovereignty.

Why Other Options Are Less Ideal:

VMware Cloud Foundation (C):While a great on-premises SDDC solution, it primarily addresses operational efficiency but doesn't inherently reduce capital expenditures (as you still need to own the hardware).

Oracle Cloud VMware Solution (D) & VMware Cloud on AWS (E):These are public cloud solutions and wouldn't meet the regulatory requirement of keeping the applications on-premises.

Question 4

Question Type: MultipleChoice

A Cloud Administrator is managing a VMware Cloud environment consisting of a single cluster with to hosts. The administrator is trying to create a new virtual machine and is getting the following error message: cannot complete file creation operation. There are currently 2 unable failure domains. the operation requires 3 more usable fault domain. failed to create object.

Options:

A- The VM storage policy is configured Incorrectly for the cluster.

B- There is insufficient CPU and memory based on the current virtual machine resource reservation settings.

C- One of the hosts is in maintenance mode.

D- vSphere Distributed Resource Scheduler (DRS) is enabled.

Answer:

C

Explanation:

The error message that the Cloud Administrator is receiving indicates that the cluster is not able to meet the requirements of the new virtual machine due to insufficient fault domains. The most likely cause of this is that one of the hosts is in maintenance mode. When a host is in maintenance mode, it is not available to the cluster, and thus cannot provide the necessary fault domains. To correct this issue, the Cloud Administrator should ensure that all hosts in the cluster are available and not in maintenance mode before attempting to create the new virtual machine.

Question 5

Question Type: MultipleChoice

When preparing to deploy VMware Cloud on Dell EMC or VMware Cloud on AWS Outposts in a data center, which two networking constrains must be considered? (Choose two.)

Options:

A- Fiber Channel connectivity

B- Creating a direct connect to the nearest AWS Region

C- Compatible top of rack switches

D- Uplinks for local network connectivity

E- Dedicated subnets for SDDC management network

Answer:

C, E

Explanation:

Compatible top of rack switches are necessary to ensure that the data center is able to support the VMware Cloud on Dell EMC or VMware Cloud on AWS Outposts deployments[1]. The switches must support 10GE and 25GE ports, as well as Layer 3 routing protocols such as OSPF and BGP.

Dedicated subnets for SDDC management network are also needed for the deployment of VMware Cloud on Dell EMC or VMware Cloud on AWS Outposts[1]. The SDDC management network will be used for communication between the VMware Cloud components and the data center, and must be isolated from the customer network.

Question 6

Question Type: MultipleChoice

Which three items should be considered when performing a hot migration of a virtual machine (VM)? (Choose three.)

Options:

A- The source and destination host management network IP address families must match

B- The vGPU configuration of the VM

C- The status of the guest operating system in the VM

D- The CPU instruction set required by the VM

E- The source and destination host must have shared access to the storage that contains the VM

F- The status of VMware Tools on the VM

Answer:

C, E, F

Explanation:

For the source and destination host to have shared access to the storage that contains the VM, they must be able to access the same datastore. This requires that the datastore be available to both hosts and that the datastore has the same name on both hosts.

The status of VMware Tools on the VM should also be checked before performing a hot migration. VMware Tools is a suite of utilities that enhances the performance of a virtual machine's guest operating system and improves the management of the virtual machine. If VMware Tools is not installed or not up to date, the hot migration may fail.

Finally, the status of the guest operating system in the VM should also be checked before performing a hot migration. The guest operating system should be up and running and not in a suspended state. If the guest operating system is in a suspended state, the hot migration may fail.

The CPU instruction set required by the VM and the vGPU configuration of the VM are not items to consider when performing a hot migration of a virtual machine. The source and destination host management network IP address families do not need to match for the hot migration to be successful.

Question 7

Question Type: **MultipleChoice**

Which solution would an administrator use to manage the lifecycle operations of Tanzu Kubernetes clusters?

Options:

A- VMware Tanzu Service Mesh

B- VMware vSphere Lifecycle Manager

C- VMware Tanzu Observability by Wavefront

D- VMware Tanzu Kubernetes Grid

Answer:

D

Explanation:

VMware Tanzu Kubernetes Grid is described as a comprehensive solution for operating Kubernetes-based applications in production, as well as creating, scaling and managing clusters. It provides a centralized control plane for managing the lifecycle operations of Tanzu Kubernetes clusters. (Source: https://tanzu.vmware.com/kubernetes)

Question 8

Question Type: MultipleChoice

A customer is concerned about threats propagating out to their cloud disaster recovery site. Which VMware Cloud solution offers the capability for an operational air-gap to stop ransomware?

Options:

A- VMware Cloud Disaster Recovery

B- VMware Hybrid Cloud Extension

C- VMware Site Recovery

D- VMware Secure Access Service Edge

Answer:

A

Explanation:

https://blogs.vmware.com/virtualblocks/2021/09/28/operational-air-gaps/

Operational isolation (operational "air-gapping") is critical to DR. VMware Cloud DR was designed from the very beginning for its systems and repository to be operationally isolated and for instantiating isolated recovery environments.