vmware

5V0-11.21

VMware Cloud on
AWS Master Specialist

VMware

Exam 5V0-11.21

VMware Cloud on AWS Master Specialist

Version: 3.1

[Total Questions: 65]

Question No : 1

An administrator deploys a VMware Cloud on AWS environment and configures an IPsec virtual private network (VPN) tunnel to their data center. Hybrid Linked Mode connectivity, however, does NOT appear to be working. Before contacting VMware Support, what could the administrator do to narrow down the possible issue?

A. Fill in the relevant IP information for the on-premises infrastructure and run the desired troubleshooting connectivity test.
B. Download and review the Tier-0 (TO) gateway firewall logs.
C. Configure a packet capture device in the on-premises data center to capture packets from the VMware Cloud on AWS software-defined data center (SDDC) to determine which packets are being dropped.
D. Configure a packet capture appliance on a local segment within VMware Cloud on AWS to capture and analyze traffic across a specific NSX-T gateway interface.

Answer: A
Reference: https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/vmc-on-aws-networking-security.pdf

You can use the network troubleshooting functionality in the VMC Console or as part of the Hybrid Linked Mode functionality in the Cloud Gateway Appliance to troubleshoot network connectivity for Hybrid Linked Mode. https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vsphere.vmc-aws-manage-data-center-vms.doc/GUID-16A52EDA-3CB2-44AD-B649-C82C4AC255B9.html

Question No : 2

When deploying a VMware Cloud on AWS software-defined data center (SDDC), which components are deployed automatically?

A. VMware ESXi, vCenter, vSAN, NSX, Hybrid Linked Mode
B. VMware ESXi, vCenter, vSAN, NSX in active/passive mode
C. VMware ESXi, vCenter, vSAN, NSX, HCX
D. VMware ESXi, vCenter, vSAN, NSX in active/active mode

Answer: B
Explanation: The default NSX Edge Appliance is implemented as a pair of VMs that run in active/standby mode. https://docs.vmware.com/en/VMware-Cloud-on-

AWS/services/com.vmware.vmc-aws.networking-security/GUID-658253DB-F384-4040-94B2-DF2AC3C9D396.html

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Question No : 3

A customer is running a software-defined data center (SDDC) in the US-West-1 region and wants to connect the workload network segment to their on-premises data center and their company Amazon Virtual Private Cloud (VPC) running in US-West-1. Which two supported connectivity options can they use to accomplish this? (Choose two.)

A. One virtual private network (VPN) and one VPC Peering
B. VMware SD-VVAN by VeloCloud
C. VMware Managed Transit Gateway (VTGVV)
D. Two virtual private networks (VPNs)
E. VMware HCX

Answer: C,D

Explanation: https://vmc.techzone.vmware.com/resource/introduction-vmware-transit-gateway-vmware-cloud-aws#introduction

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Question No : 4

A customer plans to use VMware Cloud on AWS to support their public cloud adoption initiatives. Their use case for VMware Cloud on AWS is predominately data center extension to support seasonal and business specific demands. There will also be a number of workloads running in VMware Cloud on AWS on a long-term, permanent basis. Based on a recent sizing assessment, it is determined that utilization of VMware Cloud on AWS will fluctuate between two and five hosts throughout the year based on seasonal and market conditions. Which possible subscription option would result in the greatest benefit to this customer and why?

A. Create a subscription for five hosts for three years. This option provides the greatest cost savings to the customer and eliminates the amount of time needed to provision and configure VMware ESXi hosts as consumption fluctuates.
B. Create a subscription for two hosts for one year and consume the remaining hosts, as needed, on-demand. This option allows the customer to lock in a term rate for required

hosts and leverage on-demand rates for additional hosts as needed.

C. Consume VMware Cloud on AWS on-demand based on seasonal and business requirements. This option provides the cost benefits of cloud through an on-demand consumption model.

D. Create a subscription for three hosts for three years and consume the remaining hosts, as needed, on-demand. This option allows the customer to lock in a term rate for required hosts and leverage on-demand rates for additional hosts as needed.

Answer: D

Question No : 5

Which three of the listed VMware Cloud on AWS service roles can be assigned from the VMware Cloud console? (Choose three.)

A. SSO Administrator
B. Administrator (Delete Restricted)
C. NSX Cloud Auditor
D. Root
E. NSX Cloud Admin
F. vCenter Administrator

Answer: B,C,E
Reference: https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws.getting-started/GUID-83DC5E26-B1C5-47C2-B14C-940D01B2A44C.html

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Question No : 6

What is a supported approach when deploying multiple instances of VMware Site Recovery with VMware Cloud on AWS?

A. A single software-defined data center (SDDC) paired with up to 25 remote sites
B. A single software-defined data center (SDDC) connected to multiple on-premises sites and to other cloud SDDCs
C. VMware Site Recovery add-on deployed in the VMware vSphere Web Client

D. VMware Site Recovery with multiple protected sites and a shared recovery site

Answer: B

Reference: https://aws.amazon.com/blogs/apn/design-considerations-for-disaster-recovery-with-vmware-cloud-on-aws/

Question No : 7

What are three valid migration modes in VMware HCX? (Choose three.)

A. Planned Failover
B. Hybrid Linked Mode
C. Bulk Migration
D. Replication Assisted vMotion (RAV)
E. HCXvMotion
F. Cross vCenter vMotion

Answer: C,D,E

Reference:
https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/hcx/vmw-hcx-deployment-considerations-and-best-practices.pdf

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Question No : 8

A customer is currently running 153 virtual machines in an eight-node vSphere cluster. Each host is equipped with 256GB RAM, two AMD CPUs and four 10Gb NICs. Which migration strategy should the administrator recommend?

A. HCX Replication Assisted vMotion (RAV) with Enhanced vMotion Compatibility
B. HCX Cold Migration
C. Cross vCenter vMotion with Hybrid Linked Mode
D. HCX vMotion with Enhanced vMotion Compatibility

Answer: C

Reference: https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/vmc-aws-manage-data-center-vms.pdf

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Question No : 9

Which three statements are true about the Elastic DRS Optimize for Rapid Scale-Out policy? (Choose three.)

A. Hosts are added incrementally when needed for storage.
B. Hosts will NOT be removed automatically when they are no longer needed.
C. Multiple hosts are added at a time when needed for memory or CPU.
D. After a storage scale-out event is triggered, single hosts are added every 30 minutes.
E. High threshold for storage, like the other policies, is set at 75%.
F. To resolve constraints related to CPU and memory, hosts are added two at a time.

Answer: A,B,F

Explanation: https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws-operations/GUID-961C4B32-6093-4C2E-AFE5-5B1F56BF4EEE.html

Question No : 10

Which API endpoint serves as the authentication point for VMware Cloud on AWS?

A. Cloud Services Platform API
B. NSX-T Data Center API
C. Deployed SDDC API
D. VMware Cloud on AWS API

Answer: A

Reference: https://blogs.vmware.com/code/2017/11/30/overview-vmware-cloud-aws-apis/#:~:text=The%20CSP%20API%2C%20which%20serves,is%20the%20SDDC%20management%20point

Question No : 11

An administrator is deploying a VMware Cloud on AWS software-defined data center (SDDC) in an AWS region and needs to plan for mission-critical application availability across availability zones. Which AWS Virtual Private Cloud (VPC) configuration needs to be in place in order to accomplish this?

A. One AWS VPC with four subnets, one per availability zone
B. Two AWS VPCs with two subnets, two per availability zone
C. One AWS VPC with two subnets, one per availability zone
D. Four AWS VPCs with two subnets, two per availability zone

Answer: C

Explanation: Mission critical means stretched cluster (among 2 AZs) and the requirement for stretched cluster is as follows: You can create an SDDC with a cluster that spans two availability zones. A stretched cluster uses vSAN technology to provide a single datastore for the SDDC and replicate the data across both availability zones. If service in one availability zone is disrupted, workload VMs in the SDDC are brought up in the other availability zone. The following restrictions apply to stretched clusters: *The linked VPC must have two subnets, one in each AZ occupied by the cluster.
https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws-operations/GUID-BC0EC6C5-9283-4679-91F8-87AADFB9E116.html

Question No : 12

Due to a recent acquisition, an architect is being asked to identify and design a cloud-based solution that will assist in merging several data centers together without incurring undue operational overhead while adhering to a very strict project timeline. The proposed solution must have the capability to be rapidly recovered in the event of a cloud provider outage. After careful consideration, the architect determines that VMware Cloud on AWS would be an appropriate solution, requiring a total of nine hosts for capacity. Which additional configuration options would satisfy the requirements of this project?

A. Deploy a VMware Cloud on AWS software-defined data center (SDDC) with a single stand-alone cluster.
 Deploy a second stand-alone cluster into the SDDC in a separate region.
 Configure VMware Cloud Disaster Recovery to replicate and protect workloads to the second cluster.
B. Deploy a VMware Cloud on AWS software-defined data center (SDDC) with a single

stretched cluster across two separate availability zones.
Configure the cluster to ensure that all virtual machines can be restarted in the second availability zone with a near zero recovery point objective (RPO) in the event of any environment or system failures.

C. Deploy a VMware Cloud on AWS software-defined data center (SDDC) with a single stretched cluster across two separate regions.
Configure the cluster to ensure that all virtual machines can be restarted in the second region with a near zero recovery point objective (RPO) in the event of any environment or system failures.

D. Deploy a VMware Cloud on AWS software-defined data center (SDDC) with a single stand-alone cluster.
Deploy a second SDDC with a stand-alone cluster into a different AWS region. Configure VMware Cloud Disaster Recovery to replicate and protect workloads to the second cluster.

Answer: D

Explanation: https://vmc.techzone.vmware.com/vmc-arch/docs/compute/vmc-aws-stretched-cluster#sec403-sub1 a stretched cluster SDDC is one in which the hosts of the SDDC are evenly split between 2 AZs within an AWS Region (with a hidden "witness" host in a 3rd AZ).

Question No : 13

Which two statements are true about the characteristics of the Default Storage Scale-Out policy? (Choose two.)

A. Elastic DRS automatically sets to the Default Storage Scale-Out policy, adding hosts only when storage utilization exceeds a certain threshold.
B. When the storage threshold of the Default Storage Scale-Out policy has been resolved. Elastic DRS automatically performs a scale-in operation.
C. The Default Storage Scale-Out policy storage threshold level is set to meet SLA requirements and can not be superseded by other Elastic DRS policies.
D. The Default Storage Scale-Out policy thresholds for CPU or memory usage are set higher than the other Elastic DRS policies.
E. The Default Storage Scale-Out policy storage threshold is set 5% higher than the other Elastic DRS storage policies.

Answer: A,E
Reference: https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws-operations/GUID-961C4B32-6093-4C2E-AFE5-5B1F56BF4EEE.html

Question No : 14

Which VMware solution provides customers with the ability to query and graphically display activities for audits, events and custom real-time alerts for the VMware NSX-T firewall running in VMware Cloud on AWS?

A. VMware vRealize Network Insight Cloud
B. VMware vRealize Log Insight Cloud
C. VMware vRealize Operations Cloud
D. CloudHealth by VMware

Answer: A

Question No : 15

What are two benefits of completing a full data center evacuation to VMware Cloud on AWS? (Choose two.)

A. Reduce the risk of migrating applications to the cloud by removing the need for application transformation.
B. Maintain existing investment in skills and toolsets.
C. Provide a hybrid cloud management solution.
D. Provide a seamless way to expand the on-premises software-defined data center (SDDC) into the cloud.
E. Diversify the risk associated with migrating applications to the cloud by automatically deploying workloads to multiple regions.

Answer: A,B
Reference:
https://www.vmware.com/content/dam/learn/en/amer/fy20/pdf/333278_20Q3_WW_GLB_2 0ALL_WebForm_VMC_REG_20210823.pdf

Question No : 16