

2V0-33.22^{Q&As}

VMware Cloud Professional

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QUESTION 1

A Cloud administrator is starting to plan a workload migration and wants to estimate the cost of running those workloads on VMware Cloud. Which VMware Cloud service should the administrator use to achieve this goal?

- A. VMware vRealize Network Insight Cloud
- B. VMware vRealize Operations Cloud
- C. VMware vRealize Log Insight Cloud
- D. VMware vRealize Automation Cloud

Correct Answer: B

Managing Costs:

With its capacity and cost management features, vRealize Operations Cloud can predict future demand and provide actionable recommendations to help in managing costs.

Reclamation of Existing Resources:

Assess workload status and resource contention in data centers across your environment:

Determine the time remaining until CPU, memory, or storage resources run out. Realize cost savings when underutilized VMs are identified and reclaimed to be deployed more effectively.

Future Infrastructure Requirements

Run what-if scenarios:

Identify how much capacity remains after you add or remove VMs or hosts.

Add hyperconverged infrastructure (HCI) nodes.

Get a recommendation based on the cost relative to workload placement on different hosts, clusters, data centers, and even different clouds.

Cloud Migration Planning:

Migration planning shows you the capacity and cost information after the migration to a cloud-based infrastructure.

Cost Overview

vRealize Operations Cloud supports costing for private clouds, public clouds, and VMware Cloud infrastructure.

You can track expenses for a single virtual machine, and identify how these expenses attribute to the overall cost associated with your private cloud accounts and VMware Cloud infrastructure accounts.

On the Cost Overview home page in vRealize Operations Cloud, you can find details about the costs associated with your VMware Cloud infrastructure accounts, public cloud accounts, and your private cloud accounts.



You can view the Total Cost of Ownership, Potential Savings, and Realized Savings for your VMware Cloud infrastructure cloud accounts and vSphere private cloud accounts, and Total Cost of Ownership for your private cloud accounts. Reference:

<https://docs.vmware.com/en/vRealize-Business/7.6/vRBforCloud.user.doc/GUID-AA3C209A-2DFA-433F-BD57-67E66A598E5D.html>

QUESTION 2

What is a benefit of public cloud computing?

- A. Full control over physical data location
- B. Full control over software versions and software lifecycle
- C. Highly customizable and configurable hardware options
- D. Cost savings on capital hardware expenses

Correct Answer: D

One benefit of public cloud computing is cost savings on capital hardware expenses. Since the cloud provider owns and manages the hardware, the customer does not need to invest in the purchase and maintenance of physical hardware, resulting in significant cost savings. Additionally, public cloud services often provide scalability and can be accessed from anywhere with an internet connection.

QUESTION 3

A cloud administrator is looking to migrate several dozen workloads from their on-premises location to a VMware public cloud using the vMotion feature of VMware HCX. A total of three networks will need to be stretched for the migration. They will also be utilizing the capabilities of the WAN appliance to optimize migration traffic.

Based on this scenario, how many IP addresses would need to be reserved for the on-premises deployment of VMware HCX?

- A. four
- B. five
- C. three

D. six

Correct Answer: B

"The VMware HCX on-premises deployment requires five IP addresses: two for the WAN appliance, two for the vMotion feature, and one for the management network."

In this scenario, the cloud administrator is utilizing the vMotion feature of VMware HCX to migrate several dozen workloads from an on-premises location to a VMware public cloud. They are also stretching three networks for the migration. When using vMotion, two IP addresses will be needed per vMotioned virtual machine: one for the source and one for the target. For the migration of several dozen workloads, this will require several dozens of IP addresses. Additionally, the administrator is also utilizing the capabilities of the WAN appliance to optimize migration traffic. In order to optimize the traffic, one IP address will be needed for the WAN appliance on the on-premises site, and another IP address will be needed for the WAN appliance on the public cloud side. Therefore, the total number of IP addresses that need to be reserved for the on-premises deployment of VMware HCX is the number of IP addresses required for the virtual machines plus one IP address for the WAN appliance on the on-premises site plus another IP address for the WAN appliance on the public cloud side, which totals to five IP addresses.

QUESTION 4

What are two incident management services included in the VMware Cloud on AWS service management process? (Choose two)

- A. VMware Tools management
- B. Incident Management
- C. Microsoft License management
- D. Capacity management
- E. Workload OS management

Correct Answer: BD

The two incident management services included in the VMware Cloud on AWS Service Management process are Incident Management and Capacity Management. Incident Management is responsible for detecting, classifying, and resolving incidents quickly and effectively. It includes monitoring and alerting, incident response, and problem management. Capacity Management is responsible for predicting, measuring, and managing the capacity of the infrastructure. It includes capacity planning, performance analysis, and resource optimization. References: [1]<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/cloud-management/vmware-cloud-on-aws-service-management-process.pdf> [2]<https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws.admin.doc/GUID-684D1A84-C57F-4EC1-8A18-7A9A9EB9B7FF.html>

QUESTION 5

What is the purpose of the VMware cloud on AWS management gateway (MGW)?

- A. A Tier-0 router that handles network traffic for workload virtual machines connected to routed computer network segments
- B. A Tier-0 router that handles routing and firewalling for the VMware vCenter Server and other management appliances running in the software-defined datacenter (SDDC).

C. A Tier-1 router that handles network traffic for workload virtual machines connected to routes compute network segments

D. A Tier-1 router handles routing and firewalling for the VMware vCenter Server and Other management appliances running in the software-defined datacenter (SDDC).

Correct Answer: D

Management Gateway (MGW) The MGW is a Tier 1 router that handles routing and firewalling for vCenter Server and other management appliances running in the SDDC. Management gateway firewall rules run on the MGW and control access to management VMs. In a new SDDC, the Internet connection is labelled Not Connected in the Overview tab and remains blocked until you create a Management Gateway Firewall rule allowing access from a trusted source.

QUESTION 6

A cloud administrator wants to enable administrator wants to enable Enterprise Federation to the Cloud Services Portal in order to be able to authenticate with the on-premises Active Directory. The Administrator Already deployed the on-premises VMware Workspace One Access Connector. Through which port does the Cloud Service Portal communicate with Workspace ONE Access Connector?

A. Idaps/636

B. http/80

C. https/443

D. Idap/389

Correct Answer: C

https://docs.vmware.com/en/VMware-Workspace-ONE-Access/20.10/workspace_one_access_install/GUID-E81B6B1B-A3D1-40D0-806A-3D31502C53A5.html

The Cloud Services Portal communicates with the Workspace ONE Access Connector via port 443 (HTTPS). According to the VMware documentation [1], the Cloud Services Portal connects to the Access Connector on port 443 to authenticate users and authorize access to the cloud service. The Access Connector listens on port 443 and communicates with the Active Directory using LDAP over TLS (LDAPS) on port 636. Reference:

<https://docs.vmware.com/en/VMware-Workspace-ONE-Access/services/com.vmware.access.admin.configure.doc/GUID-F5C6FD9E-36DA-4B1F-A7E7-CF8F64A81D78.html>

QUESTION 7

Which three factors should a cloud administrator consider when sizing a new VMware Cloud software-defined data center (SDDC) to support the migration of workloads from an on-premises SDDC? (Choose three.)

A. Total number of 10Gb network ports required

B. Host hardware type in the target VMware Cloud

C. Total number of on-premises hosts

D. Total number of workloads

- E. Total amount of available storage across all on-premises datastores
- F. Average size of workload resources (CPU and RAM)

Correct Answer: DEF

Total number of workloads. This determines how many hosts are needed in the VMware Cloud SDDC cluster.

Total amount of available storage across all on-premises datastores. This determines how much storage capacity is needed in the VMware Cloud SDDC cluster.

Average size of workload resources (CPU and RAM). This determines how much compute capacity is needed in the VMware Cloud SDDC cluster.

<https://docs.vmware.com/en/VMware-Cloud/services/vmc-cloud-sizer-user/GUID-7CECF719-E56B-4830-84ED-77206A2A118D.html>

QUESTION 8

How is a Tanzu Kubernetes cluster deployed in a VMware Cloud environment?

- A. Using the VMware Cloud Console
- B. Using VMware Tanzu Mission Control
- C. Using the standard open-source kubectl
- D. Using the vSphere Plugin for kubectl

Correct Answer: A

Tanzu Kubernetes clusters can be deployed in a VMware Cloud environment using the VMware Cloud Console. The VMware Cloud Console provides a user-friendly interface that allows users to quickly deploy and manage Tanzu Kubernetes clusters. The standard open-source kubectl can also be used to deploy Tanzu Kubernetes clusters. However, this requires a more in-depth knowledge of the kubectl command-line interface. Additionally, users can use the vSphere Plugin for kubectl to deploy and manage Tanzu Kubernetes clusters. This plugin provides a graphical user interface to manage the clusters, as well as additional features such as the ability to make cluster-level changes

QUESTION 9

A cloud administrator with an existing virtual private cloud (VPC) needs to create a dedicated connection to VMware Cloud on AWS. Which connection type would meet this requirement?

- A. Public virtual interface
- B. AWS Direct Connect
- C. Transit virtual interface
- D. Private virtual interface

Correct Answer: B

The best option to meet the requirements of creating a dedicated connection to VMware Cloud on AWS is to use AWS Direct Connect. AWS Direct Connect provides a dedicated network connection between an on-premises data center and the Amazon Web Services (AWS) cloud, allowing for the transfer of data across the two locations. It is more reliable and has lower latency than other options such as public virtual interface, transit virtual interface, and private virtual interface. Additionally, AWS Direct Connect provides the highest performance and throughput of any of the on-premises data center connectivity options.

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VMware Technical Support Guide <https://www.vmware.com/pdf/techsupportguide.pdf>

Publishing Applications with VMware Horizon 7 <https://vcdx.vmware.com/content/dam/digitalmarketing/vmware/ru/pdf/tepaper/vmware-horizon-7-application-publishing.pdf>

QUESTION 10

Which two statements depict the VMWare Multi-cloud Vision? (Choose two)

- A. Deliver a consistent management and operations layer across any cloud
- B. Run the workloads in the cloud to eliminate security issues.
- C. Standardize at the DevSecOps and infrastructure level.
- D. Reduce the number of developers to increase productivity
- E. Modernize applications in the cloud of choice using the cloud-native services of that cloud provider

Correct Answer: AE

VMware Multi-Cloud Vision enables customers to deliver a consistent management and operations layer across any cloud, and to modernize applications in the cloud of choice using the cloud-native services of that cloud provider. It does not run workloads in the cloud to eliminate security issues, standardize at the DevSecOps and infrastructure level, or reduce the number of developers to increase productivity.

QUESTION 11

A cloud administrator is planning to migrate 1,000 VMs from their existing on-premises location into VMware Cloud on AWS. The migration will need to be completed as quickly as possible. Upon completion, the users will need the most reliable, lowest latency connection possible.

Which on-premises data center connectivity option will meet these requirements?

- A. Layer 2 VPN
- B. AWS Direct Connect
- C. VMware Transit Connect
- D. IPsec VPN

Correct Answer: B

The best option to meet the requirements of quickly migrating 1,000 VMs with the lowest latency and most reliable connection possible is to use AWS Direct Connect. AWS Direct Connect provides a dedicated network connection between an on-premises data center and the Amazon Web Services (AWS) cloud, allowing for the transfer of data across the two locations. It is more reliable and has lower latency than other options such as Layer 2 VPN, VMware Transit Connect, and IPsec VPN. Additionally, AWS Direct Connect provides the highest performance and throughput of any of the on-premises data center connectivity options. Why does VMware refuse to educate their customers ... - VMware ... <https://communities.vmware.com/t5/VMware-Education-Services/Why-does-VMware-refuse-to-educate-their-customers/td-p/2005973>

VMware Technical Support Guide <https://www.vmware.com/pdf/techsupportguide.pdf>

Publishing Applications with VMware Horizon 7 <https://vcdx.vmware.com/content/dam/digitalmarketing/vmware/ru/pdf/tepaper/vmware-horizon-7-application-publishing.pdf>

QUESTION 12

An organization is running multiple applications that span different public clouds. The cloud administrator is asked to perform budget management, cost reporting and cost forecasting from a single platform. Which VMware Cloud service can the cloud administrator use to meet this requirement?

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

Correct Answer: D

CloudHealth by VMware is a cloud cost governance platform that provides budget management, cost reporting, and cost forecasting from a single platform. It provides comprehensive visibility and control to manage cloud costs in hybrid and multi-cloud environments. CloudHealth by VMware also provides cost optimization, resource optimization, and real-time alerting capabilities to help organizations make cost-effective decisions to reduce cloud costs.

QUESTION 13

What are two key benefits of VMware's partnerships with hyperscalers? (Choose two.)

- A. Access to native public cloud services
- B. Automation of infrastructure operations in a single view
- C. Seamless workload migration across clouds
- D. One-click conversion to cloud native services
- E. Elimination of egress costs

Correct Answer: AC

VMware's partnerships with hyperscalers, such as AWS and Google Cloud, provide customers with access to native public cloud services and the ability to easily and securely migrate workloads between clouds. This allows customers to

take advantage of the best features of each cloud provider while managing their workloads in a single view. It also eliminates the need to pay egress costs when moving workloads between clouds.

QUESTION 14

A cloud administrator is managing a VMware Cloud on AWS environment containing of a single cluster with three hosts. Which acts recovery site for the on-premises environment. The on-premises environment consists of eight hosts. what should the cloud administrator configure to optimize scaling for full disaster recovery?

- A. Configure an Elastic DRS policy and set the maximum cluster Size to 8.
- B. No Additional configuration is required Default Elastic DRS will fulfill the requirement
- C. Configure an Elastic DRS policy and select '\\Optimize for Rapid scale-out\\'.
- D. Configure an Elastic DRS policy and set minimum cluster size to 8.

Correct Answer: C

According to the VMware official documentation, in order to optimize scaling for full disaster recovery in a VMware Cloud on AWS environment, it is necessary to configure an Elastic DRS policy and select '\\Optimize for Rapid scale-out\\' as the policy type. This option allows for a rapid increase in the number of hosts within the cluster, which is necessary for full disaster recovery. For more information, please refer to the VMware Cloud on AWS Disaster Recovery Guide, which can be found here:<https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/VMware-Cloud-on-AWS-Disaster-Recovery-Guide.html>.

QUESTION 15

Which vSphere HA default response is applied when a virtual machine crashes on a VMware Cloud cluster?

- A. Restart the impacted virtual machine on the same host in the same SDDC cluster
- B. Shut down the impacted virtual machine and do not restart it anywhere
- C. Restart the impacted virtual machine on other hosts in other SDDC Cluster
- D. Restart the impacted virtual machine on other hosts in the same SDDC Cluster

Correct Answer: D

VMware High Availability (HA) is a feature of the VMware Cloud platform that monitors the health of virtual machines and restarts virtual machines on other hosts if they crash or become unresponsive. This ensures that the virtual machines are always available and that no downtime is experienced. The default response is to restart the impacted virtual machine on other hosts in the same SDDC Cluster, however, this can be customized to suit the needs of the customer. References: [1]https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws.availability_and_scalability.doc/GUID-C7E2C2A2-B9A8-4CD0-A2F2-EA6C08C8D95B.html [2]<https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vmc-aws.admin.doc/GUID-F9C7F1B8-4855-4C3A-A723-C9A2F7CDBFFB.html>