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VMware Cloud on AWS Master Specialist

Exam Details

The VMware Cloud on AWS Master Specialist (5V0-11.21) exam, which leads to VMware Certified Master Specialist – VMware Cloud™ on AWS 2022 certification is a 65-item exam, with a passing score of 300 using a scaled scoring method. Candidates are given 130 minutes to complete the exam, which includes adequate time to complete the exam for non-native English speakers.

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the Pearson VUE website.

Certification Information

For details and a complete list of requirements and recommendations for attainment, please reference the VMware Education Services – Certification website.

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has experience deploying, configuring and managing a VMware Cloud™ on AWS infrastructure. The MQC is typically an IT personnel responsible for infrastructure services who has a strong understanding of virtualization, networking and storage and AWS. The MQC has experience installing, configuring and managing a VMware SDDC (VMware vSphere, VMware vSAN™ and VMware NSX®) that may or may not include HCX and disaster recovery.

Exam Sections

VMware exam blueprint sections are now standardized to the seven sections below, some of which may NOT be included in the final exam blueprint depending on the exam objectives.

> Section 1 – Architecture and Technologies
>
> Section 2 – Products and Solutions
>
> Section 3 – Planning and Designing
>
> Section 4 – Installing, Configuring, and Setup
>
> Section 5 – Performance-tuning, Optimization, and Upgrades
>
> Section 6 – Troubleshooting and Repairing
>
> Section 7 – Administrative and Operational Tasks

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If a section does not have testable objectives in this version of the exam, it will be noted below, accordingly. The objective numbering may be referenced in your score report at the end of your testing event for further preparation should a retake of the exam be necessary.

Sections Included in this Exam

Section 1 –VMware Cloud™ on AWS Architectures and Technologies

      Objective 1.1 – Understand VMware Cloud™ on AWS technology and architecture

      Objective 1.2 – Describe VMware Cloud™ on AWS Migration Solutions

Section 2 – Integrating Other VMware Products with the SDDC

      Objective 2.1 – Use VMware vRealize® Log Insight Cloud™

      Objective 2.2 – Use VMware Horizon® with VMware Cloud™ on AWS

      Objective 2.3 – Use vRealize® Automation Cloud™ Add-on

      Objective 2.4 – Use vRealize® Network Insight Cloud™

      Objective 2.5 – Use vRealize® Operations Cloud™

Section 3 – Planning and Designing

      Objective 3.1 – Identify use cases for VMware Cloud™ on AWS

      Objective 3.2 – Identify accounts needed

      Objective 3.3 – Identify the required networking

      Objective 3.4 – Identify the connectivity options

      Objective 3.5 – Size the software-defined data center (SDDC)

      Objective 3.6 – Describe vSAN™ Storage in VMware Cloud™ on AWS

Section 4 – Deploying and Configuring

      Objective 4.1 – Prepare AWS infrastructure for a VMware Cloud™ on AWS deployment

      Objective 4.2 – Set up VMware Cloud™ on AWS account

      Objective. 4.3 – Deploy and examine software-defined data center (SDDC) configurations

      Objective 4.4 – Deploy a vSphere software-defined data center (SDDC) in VMware Cloud™ on AWS

      Objective 4.5 – Configure software-defined data center (SDDC) networking

      Objective 4.6 – Configure Transit Connect

Section 5 – Performance-tuning and Optimization

      Objective 5.1 – Optimize and maintain software-defined data center (SDDC) cluster using Elastic DRS

      Objective 5.2 – Analyze HA, DRS and resource pools settings in the software-defined data center (SDDC)

      Objective 5.3 – Analyze vSphere permissions

Section 6 – Administrative and Operational Tasks

      Objective 6.1 – Configure networking and security options

      Objective 6.2 – Configure vSAN™ storage policies

      Objective 6.3 – Attach external storage to a virtual machine running on a software-defined data center (SDDC)

Objective 6.4 – Configure Hybrid Linked Mode

Objective 6.5 – Configure virtual machine migration with VMware Hybrid Cloud Extension

Objective 6.6 – Configure disaster recovery

Objective 6.7 – Add and remove hosts to a cluster within the software-defined data center (SDDC)

Objective 6.8 – Create virtual machines in the Cloud software-defined data center (SDDC)

Section 7 – Troubleshooting and Repairing

Objective 7.1 – Access API with VMware Cloud™ on AWS

Objective 7.2 – Maintain and support a VMware Cloud™ on AWS solution

Recommended Course

VMware Cloud on AWS: Deploy, Configure, Manage 2021

References

Item writers used the recommended training for information when writing exam questions.

Sample Questions

Sample questions presented here are examples of the types of questions candidates may encounter and should not be used as a resource for exam preparation.

Sample Question 1

How does VMware Cloud on AWS provide seamless management and operational consistency with an on-premises SDDC?

A. An on-premises VMware vSphere environment can be linked with VMware Cloud on AWS through Hybrid Linked Mode.

B. An on-premises VMware vSphere environment can be linked with VMware Cloud on AWS using AWS Direct Connect.

C. An on-premises VMware vCenter Server can register and manage the VMware ESXi hosts in VMware Cloud on AWS.

D. An on-premises VMware ESXi host can be registered and managed by the VMware vCenter Server in VMware Cloud on AWS.

Answer: A

Sample Question 2

An administrator is going to migrate 120 virtual machines from an on-premises data center with VMware vSphere into VMware Cloud on AWS. On average, each virtual machine is consuming 4 virtual CPUs, 16GB of RAM and 120GB of storage. Service interruption should be avoided if possible and budget restrictions are the highest priority.

Which approach should the administrator take to meet these requirements?

A. Activate VMware HCX in VMware Cloud on AWS. Download the Connector appliance, deploy it to the on-premises data center, create a service mesh and use Bulk Migration.

B. Activate VMware Site Recovery in VMware Cloud on AWS. Download the Site Recovery Manager appliance, deploy it to the on-premises data center, create service mappings and use planned failover for the migration.

C. Activate VMware HCX in VMware Cloud on AWS. Download the Connector appliance, deploy it to the on-premises data center, create a service mesh and use Replication Assisted vMotion (RAV).

D. Configure an AWS Direct Connect private VIF to your VMware Cloud on AWS software-defined data center (SDDC). Enable Hybrid Linked Mode and use VMware Cross vCenter vMotion to migrate the virtual machines.

Answer: C

Sample Question 3

An administrator will be moving an application stack to run in VMware Cloud on AWS.

Which VMware tool can the administrator use to identify all of the application dependencies?

A. vRealize Operations Cloud

B. vRealize Log Insight Cloud

C. vRealize Network Insight Cloud

D. vRealize Automation Cloud

Answer: C

Sample Question 4

A company has experienced performance and capacity issues between their on-premises data center and VMware Cloud on AWS software-defined data center (SDDC). An administrator is tasked with finding a solution that will help the company better understand resource utilization and distribute workloads across clusters within either environment.   The solution must include alert and monitoring, as well as the ability

to take corrective action to remediate configuration issues, optimize virtual machines and consolidate applications.

Which VMware solution should the administrator deploy to meet these requirements?

    A. vRealize Automation Cloud

    B. vRealize Log Insight Cloud

    C. vRealize Network Insight Cloud

    D. vRealize Operations Cloud

Answer: D

Sample Question 5

A company is providing VMware Horizon virtual desktops to remote, seasonal and home office workers. Recent events have caused the number of virtual desktops required to increase beyond the capacity of the company's on-premises data center. The administrator decides to deploy a VMware Cloud on AWS software-defined data center (SDDC). The existing on-premises VMware Horizon environment will utilize the additional capacity alongside with auxiliary server workloads. The company is also evaluating VMware Cloud on AWS as a target for disaster recovery.

To which two VMware Cloud on AWS use cases is this scenario aligned? (Choose two.)

    A. Footprint expansion

    B. Virtual desktops

    C. Application build-out

    D. Hybrid applications

    E. Hybrid Linked Mode

Answers: A, B

Sample Question 6

An architect runs an analysis of its environment using Live Optics and, using the VMware Cloud on AWS Sizer, determines that a cluster of seven i3en.metal hosts in a single availability zone is sufficient to host their workloads. However, due to availability requirements, the architect decides a stretched cluster is needed.

What should the architect do to size the cluster appropriately?

A. Use the Advanced Sizer to import the Live Optics data again and select the option to configure a stretched cluster.

B. Use the VMware Cloud on AWS Sizer to modify the existing analysis and select the option to configure a stretched cluster.

C. Use the Quick Sizer to import the Live Optics data again and select the option to configure a stretched cluster.

D. Double the number of suggested hosts from the first analysis.

Answer: A

Sample Question 7

All internal infrastructure components must only be accessible and addressable through private internal addressing.

How can an administrator enable access to VMware vCenter in VMware Cloud on AWS?

A. Establish an AWS Direct Connect using a public virtual interface (VIF) into the software-defined data center (SDDC) and all internal networks will be able to reach the VMware Cloud on AWS management components.

B. Establish an IPSec Virtual Private Network (VPN) between the on-premises data center and VMware Cloud in AWS and configure the VMware vCenter in the VMware Cloud on AWS service to use private DNS settings.

C. Establish an HCX Virtual Private Network (VPN) and use a Layer 2 stretched network to reach the VMware vCenter in the VMware Cloud on AWS.

D. Use a network address translation (NAT) address for the VMware vCenter in VMware Cloud on AWS to allow access.

Answer: B

Sample Question 8

Which two options are true about Elastic DRS alert notifications? (Choose two.)

A. For scale out only, the alert is processed immediately by notifying organizational administrators and waits for approval to provision.

B. The alert notifies organizational users in the VMware Cloud console and email.

C. The alert is processed immediately and displays as an alert notification in VMware vCenter.

D. For scale in of the Default Storage policy, the alert is processed immediately by removing the host from the cluster.

E. Elastic DRS alert event details are tracked in VMware vCenter Server log files.

Answers: B, E

Sample Question 9

An administrator has a newly deployed VMware Cloud on AWS software-defined data center (SDDC) configured with Hybrid Linked Mode. The administrator would like to use the same ISOs, templates and scripts in both environments to reduce maintenance and version drifts.

What can the administrator use to meet these requirements?

A. vSphere Replication

B. Upload files using the VMware vSphere Client

C. vSphere Content Library

D. Content Onboarding Assistant

Answer: C

Sample Question 10

Which two VMware Cloud on AWS maintenance tasks are the responsibility of VMware personnel? (Choose two.)

A. Back up and restore VMware appliances and infrastructure.

B. Patch firmware and BIOS.

C. Refresh hardware and replace failed components.

D. Patch VMware Cloud on AWS components.

E. Upgrade workload VMware Tools.

Answers: A, D

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