

5V0-33.19

VMware Cloud on AWS - Master Services Competency Specialist

Exam Details

The VMware Cloud on AWS: Master Services Competency Specialist Exam 2019 (5V0-33.19), which leads to the Master Specialist – VMware Cloud on AWS 2020 badge is a 34-item exam, with a passing score of 300 using a scaled method. Exam time is 60 minutes.

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the [Pearson VUE website](#).

Badge 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) should have advanced knowledge of VMware Cloud on AWS service delivery. The candidate should have broad and deep expertise across VMware's portfolio. The candidate should have experience with HCX and Site Recovery Manager and have familiarity with backup and data protection processes and the cloud provider hub. The MQC should have all the knowledge contained in the associated pre-requisite courses and exam sections listed below.

Exam Sections

Section 1 – Hybrid Cloud Readiness Assessment Service

Objective 1.1 – Explain when an assessment is appropriate

Objective 1.2 – Describe the objectives of the assessment

Objective 1.3 – Describe the methodology of the assessment

Section 2 – Datacenter Migration Service with HCX

Objective 2.1 – Describe the use cases for HCX with VMC on AWS

Objective 2.2 – Explain the HCX connectivity requirements

Objective 2.3 – Explain the deployment process of HCX for VMC on AWS

Objective 2.4 – Explain the requirements for HCX Bulk Migration

Objective 2.5 – Describe HCX Bulk Migration workload configuration

Objective 2.6 – Explain the requirements for HCX vMotion migrations

Objective 2.7 – Describe the connectivity requirements of HCX vMotion migrations

Objective 2.8 – Explain when HCX is appropriate for a workload migration

Objective 2.9 – Explain the functions of the four systems that can be deployed for HCX

Section 3 – Disaster Recovery Service with VMware Site Recovery Service

Objective 3.1 – Explain the configuration process for VMC on AWS DRaaS

Objective 3.2 – Describe single site topology for VMC on AWS DRaaS

Objective 3.3 – Describe multi-site topologies for VMC on AWS DRaaS

Objective 3.4 – Calculate the bandwidth requirements to maintain RPO

Objective 3.5 – Explain why site recovery is appropriate for a workloads DR protection

Objective 3.6 – Configure site pairings for VMC on AWS DRaaS

Objective 3.7 – Configure workload protection

Objective 3.8 – Explain the VMC on AWS connectivity requirements

Section 4 – Leveraging VMC on AWS API's

Objective 4.1 – Leverage VMC on AWS API Explorer and SDKs for operational simplification

Objective 4.2 – Demonstrate the use of PowerCLI, Datacenter CLI (CLI), and Terraform resources against VMC on AWS endpoints

Objective 4.3 – Develop automation strategies through the use of AWS CloudFormation templates and/or HashiCorp Terraform Modules

Section 5 – Native AWS Integration Service

Objective 5.1 – Explain the use cases for common native AWS services (S3 for backups, EFS, route53, RDS)

Objective 5.2 – Demonstrate the development of hybrid application architectures

Section 6 – MSP Service (includes GTM models overview and Cloud Provider Hub knowledge)

Objective 6.1 – Demonstrate an understanding of VMC on AWS GTM and where to position the service to meet client use cases

Section 7 – Data Protection Considerations for VMware Cloud on AWS (vendor agnostic)

Objective 7.1 – Demonstrate an understanding of Data Protection strategies

Objective 7.2 – Leverage Native AWS Services for data protection use cases

Objective 7.3 – Develop data protection strategies which meet business requirements

Required Courses

VMC on AWS: Master Services Competency Prep Course – Video-based Training – 89347

VMC on AWS: Master Services Competency Prep Course – Live Workshop – 89348

References

<https://docs.vmware.com> – [VMware NSX Hybrid Connect User Guide, Migrating Virtual Machines with VMware HCX, About HCX vMotion and Cold Migration]

<https://hcx.vmware.com/content/docs/vmware-hcx-user-manual.pdf> - [VMware HCX User Manual]

<https://docs.vmware.com/en/Site-Recovery-Manager/8.1/srm-install-config-8-1.pdf> - [VMware Site Recovery Installation and Configuration Guide]

<https://docs.vmware.com/en/VMware-Site-Recovery/services/srmaas-admin.pdf> - [VMware Site Recovery Administration]

<https://docs.vmware.com/en/vSphere-Replication/8.1/vsphere-replication-81-admin.pdf> - [VMware vSphere Replication Administration]

<https://docs.vmware.com> – [VMware Cloud on AWS Networking and Security, About VMware Cloud on AWS Networking with VMware NSX-T]

<https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/vmc-on-aws-getting-started.pdf> – [VMware Cloud on AWS Getting Started]

<https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/vmc-aws-operations.pdf> - [VMware Cloud on AWS Operations Guide]

<https://docs.vmware.com> – [Understanding Integrations with AWS Services, Adding Elastic File System to your VMware Virtual Machines]

<https://docs.vmware.com> – [VMware Cloud Foundation Site Protection and Disaster Recovery Guide, Prerequisites for Implementing Disaster Recovery on VMware Cloud Foundation]

<https://cloud.vmware.com/community/2018/04/16/calculate-aws-egress-fees-proactively-vmware-cloud-aws/> – [Calculate AWS Egress Fees Proactively for VMware Cloud on AWS]

<https://docs.vmware.com> – [Understanding Integrations with AWS Services, VMware and RDS]

<https://docs.vmware.com> – [Managing Virtual Machines in VMware Cloud on AWS, Using Content Libraries, Working with Items in a Library, Templates in Content Libraries]

<https://docs.vmware.com> – [Using VMware Cloud Provider Hub]

<https://cloud.vmware.com/cloud-provider-hub/images/pdf/FAQ%20-%20VMware%20Cloud%20Provider%20Hub.pdf> – [VMware Cloud Provider Hub FAQ]

<https://docs.vmware.com> – [Managing the VMware Cloud on AWS Data Center, VMware Cloud on AWS Storage]

<https://kb.vmware.com/s/article/53535> – [Certified backup solutions on VMware Cloud on AWS: Commvault Version 11]

Exam Content Contributors

Martin Hosken

Taylor Wright

Alan Gordon

Brian Graf

Andrea Siviero

Jeffrey Moore

Daniel Rethmeier

Victor Sandoval

Harold Simon

John Federovitch

Rick Evans

Chris Willingham



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com
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