VMware Cloud Professional

Exam Details (Last Updated: 09/23/2022)

The VMware Cloud Professional (2V0-33.22) which leads to VMware Certified Professional - VMware Cloud 2023 (VCP-VMC 2023) certification is a 70-item exam, with a passing score of 300 using a scaled scoring method. Candidates are given 135 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) can successfully identify the key components of a VMware Cloud solution and how to support migrations from an on-premises data center into VMware Cloud (across different hyperscaler partners including VMware Cloud on AWS). The successful candidate understands the networking requirements to support VMware Cloud use cases and the benefit of VMware Tanzu Kubernetes Grid (TKG). The successful candidate also has a basic understanding of storage concepts, security, business continuity and disaster recovery, as well as monitoring and troubleshooting, in a VMware Cloud environment. The successful candidate possesses most of the knowledge in the exam blueprint sections detailed below and may need to research some topis and require occasional assistance in carrying out some tasks.

Products/Technologies

This exam validates breadth of knowledge of VMware Cloud across different hyperscalers including:

    VMware Cloud on AWS

    VMware Cloud on Dell EMC

    VMware Cloud on AWS Outposts

    Google Cloud VMware Engine

    Azure VMware Solution

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 – VMware Products and Solutions

    Section 3 – Planning and Designing

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Section 4 – Installing, Configuring, and Setup

Section 5 – Performance-tuning and Optimization

Section 6 – Troubleshooting and Repairing

Section 7 – Administrative and Operational Tasks

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 – Architecture and Technologies

Objective 1.1 – Explain the benefits of cloud computing

Objective 1.2 –Describe the functional components of a VMware Cloud solution

Objective 1.3 – Differentiate between VMware Cloud connectivity options

Objective 1.4 – Describe a cloud network architecture

Objective 1.5 – Describe networking in the software-defined data center (SDDC)

Objective 1.6 – Describe VMware SDDC components

Objective 1.7 – Explain Hybrid Linked Mode for the VMware SDDC

Objective 1.8 – Describe virtual machine components

Objective 1.9 – Describe VMware vSphere vMotion and vSphere Storage vMotion technology

Objective 1.10 – Explain a high availability and resilient infrastructure

Objective 1.11 – Describe the different backup and disaster recovery options for VMware Cloud

Objective 1.12 – Explain scaling options in VMware Cloud environments

Objective 1.13 – Identify authentication options for the VMware Cloud Services Portal

Objective 1.14 – Describe the purpose of using Kubernetes

Objective 1.15 – Describe use cases for VMware Cloud on Dell EMC and VMware Cloud on AWS Outposts

Section 2 – VMware Products and Solutions

Objective 2.1 – Describe the VMware Cloud operating model

Objective 2.2 – Identify the role of other cloud services

Objective 2.3 – Explain the VMware multi-cloud vision

Objective 2.4 – Identify the appropriate backup or disaster recovery method for VMware Cloud given a scenario

Objective 2.5 – Describe how VMware and its hyperscaler partners address IT challenges

Objective 2.6 – Recognize VMware Cloud use cases

Objective 2.7 – Describe the function of VMware HCX

Objective 2.8 – Explain the NSX architecture in VMware Cloud

Objective 2.9 – Explain the functions of Kubernetes components

Objective 2.10 – Describe the functions of VMware Tanzu products in Kubernetes life cycle management

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Objective 7.6 – Determine the appropriate network connectivity option for connecting to and from VMware Cloud

Objective 7.7 – Recognize management and operational responsibilities in VMware Cloud on AWS

Objective 7.8 – Describe elements of the service management process

Objective 7.9 – Recognize update and upgrade responsibilities of various components for VMware Cloud on AWS

Recommended Training
Designing, Configuring, and Managing the VMware Cloud

References*
In addition to the recommended course modules listed above, item writers used the following references for information when writing exam questions. It is recommended that you study the reference content as you prepare to take the exam, in addition to any recommended training.

Link	Topic
https://blogs.vmware.com/	Introduction to the VMware Cloud Operating Model
https://kb.vmware.com/	[VMC on AWS] Cannot change Storage Policy applied to any data except VM (83392)
https://docs.vmware.com/	VMware HCX Product Documentation, VMware Cloud Services Product Documentation, VMware Tanzu Service Mesh Product Documentation, VMware Tanzu Product Documentation, vSphere with Tanzu Configuration and Management Documentation, VMware Cloud on AWS Product Documentation, VMware Cloud Disaster Recovery Product Documentation, VMware Site Recovery Product Documentation, VMware Cloud on AWS Operating Principles, VMware NSX-T Data Center Product Documentation
https://www.vmware.com/topics/glossary.html	Kubernetes Namespace
*The content in this exam covers breadth of knowledge of VMware Cloud across different hyperscalers including VMware Cloud on AWS, VMware Cloud on Dell EMC, VMware Cloud on AWS Outposts, Google Cloud VMware Engine, and Azure VMware Solution.	

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

When creating a hybrid cloud solution using Google Cloud VMware Engine, which inter-connectivity option would a cloud administrator choose to provide the most secure layer 3 connection with the greatest possible throughput for application connectivity?

A. Partner Interconnect
B. Partner VPN
C. Dedicated Interconnect
D. Cloud VPN

Answer: C

Sample Question 2

An administrator will be implementing a third-party, cloud-based backup solution to provide backup services to virtual machines running in VMware Cloud on AWS.

What is the recommended approach?
  A. Deploy the solution inside the VMware Cloud on AWS environment to take advantage of the existing capacity of the service.
  B. Deploy the solution into the customer-owned virtual private cloud (VPC) that is connected to the SDDC. This allows use of a high-speed, low latency ENI connection for data backup and recovery.
  C. Deploy the solution on-premises. This affords the greatest degree of recoverability in the event that VMware Cloud on AWS becomes unavailable.
  D. Deploy the solution into a virtual private cloud (VPC) located in another AWS availability zone (AZ). This provides increased resiliency in the event of a localized AZ failure that may impact the VMware Cloud on AWS environment.

Answer: B

Sample Question 3

A cloud administrator is managing an Azure VMware Solution environment. Currently, the environment consists of a single cluster. Due to increased demand, the cloud administrator is tasked with adding an additional six hosts to the environment. The newly provisioned hosts must be able to provide access to existing VMware NSX networks.

What should the administrator do to achieve this goal?
  A. Provision a new cluster.
  B. Provision a new private cloud.
  C. Create a new Azure VMware Solution tenant.
  D. Contact VMware support to request a cluster expansion.

Answer: A

Sample Question 4

Which three strategies are key when transitioning to a cloud operating model? (Choose three.)
  A. Continuity
  B. Endpoint
  C. Application
  D. Financial
  E. Migration
  F. Cloud

Answers: C, D, F

Sample Question 5

A cloud administrator needs to deploy a three-tiered application that needs to be compliant with the following security policies:

- The web layer should be accessible only from testing networks
- The application layer should be accessible only by the web services
- The database layer should be accessible only by the application services

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Based on the given scenario, which three VMware NSX components would be necessary at a minimum to provide a compliant architecture for the application to be deployed on VMware Cloud? (Choose three.)

    A. Tier-1 gateway
    B. Segments
    C. VP services
    D. Endpoint protection rules
    E. Security group
    F. Distributed firewall rules

Answers: A, B, F

Sample Question 6

What are the two authentication options supported when using Hybrid Linked mode with the vCenter Cloud Gateway Appliance? (Choose two.)

    A. Security Assertion Markup Language (SAML)
    B. Open Authorization (OAuth) 2.0
    C. Integrated Windows Authentication (IWA)
    D. Windows NT LAN Manager (NTLM)
    E. Lightweight Directory Access Protocol (LDAP)

Answers: C, E

Sample Question 7

A cloud administrator is tasked with ensuring a dedicated, secure, high-speed, and low-latency connection exists between an on-premises environment and Azure VMware Solution.

Which solution should be configured?

    A. ExpressRoute gateway
    B. Dedicated Microsoft Enterprise Edge
    C. Global Reach
    D. ExpressRoute

Answer: D

Sample Question 8

A cloud administrator would like to limit bandwidth from a particular virtual machine that is connected to a network segment using a Quality of Service (QoS) segment profile.

Which action should a cloud administrator take to meet this objective?

    A. Attach the virtual machine to a segment port and configure the egress limit.
    B. Attach the virtual machine to a network segment and configure the egress limit.
    C. Attach the virtual machine to a segment port and configure the ingress limit.
    D. Attach the virtual machine to a network segment and configure Differentiated Service Code Point (DSCP) class of service.

Answer: A

Sample Question 9

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A cloud administrator is experiencing an issue with VMware vMotion failing between two of its hosts.

Which VMware solution could the administrator use to gather further information about the failure?

A. VMware vRealize Lifecycle Manager
B. VMware Cloud Director
C. VMware vRealize Orchestrator
D. VMware vRealize Log Insight Cloud

Answer: D

Sample Question 10

A company is using AWS Direct Connect to access VMware Cloud on AWS. The autonomous system number (ASN) configured on AWS and the software-defined data center (SDDC) is 65225. The connection is unsuccessful.

What could be causing this issue?

A. They are using External Border Gateway Protocol (EBGP).
B. The ASN numbers CANNOT be the same.
C. They are using Internal Border Gateway Protocol (IBGP).
D. The ASN number is outside of the acceptable range.

Answer: B

Certification Alignment

VCP-VMC 2023

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