

VMware Certified Advanced Professional - VKS

Exam Details (Last Updated: 11/14/2025)

The VMware Certified Advanced Professional vSphere Kubernetes Service (3V0-24.25) exam, which leads to VMware Certified Advanced Professional – VKS Certification, is a 60-item exam with a passing score of 300 using a scaled method. Candidates are given an appointment time of 135 minutes, which includes adequate time to complete the exam for non- native English speakers. This exam may contain a variety of item types including multiple-choice, multiple-selection multiple-choice, build-list, matching, drag-and-drop, point-and-click and hot-area. Additional item types may be used but will appear less frequently than those previously mentioned.

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 Certification website](#).

Minimally Acceptable Candidate

The Minimally Qualified Candidate (MQC) has 6-12 months of experience working with vSphere Kubernetes Service (VKS) components. The MQC has hands-on experience with containerization, Kubernetes, YAML and concepts of microservices and modern applications platforms. Additionally, the MQC has a general understanding of the installation and setup process for VKS components. The MQC can perform common operational and administrative tasks in an environment where VKS components are present, including advanced deployment and operation of VKS clusters. The MQC can identify and explain the primary functionalities of VKS, including cluster lifecycle management, role-based access control (RBAC), security policies, networking and storage integration, workload deployment and operations, cluster inspection and monitoring, and data protection and backup.

Exam Sections

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

- Section 1 – IT Architectures, Technologies, Standards
- Section 2 – VMware Products and Solutions
- Section 3 – Plan and Design
- Section 4 – Install, Configure, Administrate the VMware Solution
- Section 5 – Troubleshoot and Optimize the VMware Solution

If a section does not have testable objectives in this version of the exam, it will be noted, 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 - IT Architectures, Technologies, Standards

Objective 1.1 - Differentiate between VMs and containers to select the appropriate compute model.

Objective 1.2 - Use Kubernetes architecture, networking, storage, service mesh, and Helm.

Objective 1.3 - Determine the reference architecture (NSX, VDS, Zones) for a VKS deployment.

Section 2 - VMware Products and Solutions

Objective 2.1 - Configure vSphere Supervisor capabilities, services, and architecture topologies.

Objective 2.2 - Configure Supervisor cluster networking with VDS, NSX Segments, or VPCs and apply appropriate load balancing solutions.

Objective 2.3 - Configure Supervisor storage policies and persistent volume integration across zones.

Objective 2.4 - Configure VKS identity and access using external providers and Kubernetes admin credentials.

Objective 2.5 - Manage Kubernetes releases and content libraries (subscribed, local, and air-gapped) for VKS clusters.

Objective 2.5 - Configure CNIs, NSX networking objects, and TLS certificates and secure VKS clusters.

Section 3 - Plan and Design the VMware Solution

Objective 3.1 - Evaluate the implication for Load Balancer size on Supervisor functionality

Objective 3.2 - Evaluate the implication for Namespace Network options

Objective 3.3 - Evaluate the architecture of vSphere namespaces with ingress and egress options

Objective 3.4 - Create the process of enabling a Supervisor cluster.

Objective 3.6 - Create an implementation of service mesh

Section 4 - Install, Configure, Administrate the VMware Solution

Objective 4.1 - Create Supervisor clusters with NSX VPC, NSX Segment, vDS, and Avi load balancer options.

Objective 4.2 - Configure and manage vSphere Namespaces and Zones.

Objective 4.3 - Create workloads as Supervisor Pods or via VM Service.

Objective 4.4 - Install, uninstall, and manage Supervisor add-on services (e.g., Harbor, external-dns).

Objective 4.5 - Provision, delete, monitor and scale VKS clusters using kubectl and VCF CLI tools.

Objective 4.6 - Update VKS clusters through rolling updates and configuration changes.

Objective 4.7 - Create, configure, and upgrade autoscalers.

Objective 4.8 - Manage package repositories, standard packages, registry secrets, and private registries.

Objective 4.9 - Create and manage snapshots in VKS clusters.

Objective 4.10 - Upgrade the Supervisor Service within a given situation.

Objective 4.11 - Create storage strategies using dynamic and static persistent volumes with support for expansion.

Objective 4.12 - Create workload deployment models, including pods, VMs, ingress controllers, and private registries.

Objective 4.13 - Implement backup and restore strategies using Velero with external object storage.

Objective 4.14 - Edit YAML code to modify VKS deployment

Section 5 - Troubleshoot and optimize the VMware Solution

Objective 5.1 - Diagnose and resolve Supervisor and VKS cluster provisioning, connectivity, or namespace errors.

Objective 5.2 - Troubleshoot VM class, cluster plans, content library, storage, and networking errors.

Objective 5.3 - Troubleshoot container deployment, registry, and trusted CA errors.

Objective 5.4 - Restart or recover failed VKS upgrades.

Objective 5.5 - Optimize cluster performance using monitoring and scaling features.

Recommended Courses

VKS Advanced Design

VKS Advanced Configuration

VKS Advanced Troubleshooting

Related Certification

None

References*

In addition to the recommended courses, item writers use 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.

Name	Products
https://www.vmware.com/topics/private-cloud	The VMware Cloud Foundation 9.0
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https://techdocs.broadcom.com	The VMware Cloud Foundation 9.0
-	
https://www.broadcom.com/	The VMware Cloud Foundation 9.0
https://www.vmware.com/topics/private-cloud	The VMware Cloud Foundation 9.0
*Content in this exam is based on VCF 9.0. Review all release notes and material for features and functions.	

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