VMware vDefend Security for VCF 5.x Administrator

Exam Details (Last Updated: 05/12/2025)

The VMware vDefend Security for VCF 5.x Administrator exam (6V0-21.25), which leads to the VMware Certified Professional - Private Cloud Security Administrator (VCP-PCS Admin) certification, is a 75-item exam with a passing score of 70%, using a scaled method. The exam time is 90 minutes.

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 Certification website.

Minimally Qualified Candidate

The Minimally Qualified Candidate has experience securing a VMware Cloud Foundation private cloud using distributed and gateway firewalls, advanced threat prevention, and security intelligence to enable zero-trust architectures with VMware vDefend.

Exam Sections

The following table lists the Certification exam objectives for the exam and how these objectives align to the corresponding course topics and their associated lab exercises as well as the referenced product documentation.

Exam Objectives	Content	Exam Focus
01 Private Cloud Data Center Security	Tests knowledge of securing a private cloud environment.	5%
02 VMware vDefend Firewall Architecture	Tests knowledge of software-defined, distributed security architecture.	11%
03 VMware vDefend Firewall Management	Tests knowledge of managing a software-defined, distributed firewall solution for securing virtualized workloads within private clouds.	11%
04 Lateral Protection with vDefend Distributed Firewall	Tests knowledge of implementing policy-based rules for controlling traffic across the private cloud.	7%
05 Shared Services Platform (SSP)	Tests knowledge of the back-end security data and analytics platform.	2%
06 Planning Application Segmentation with	Tests knowledge of a distributed analytics engine that	4%

vDefend Security Intelligence	develops micro-segmentation policies by analyzing workload and network context.	
07 Context Aware Firewall and Identity Firewall	Tests knowledge of advanced security solutions that go beyond traditional firewall rules based on IP addresses and ports, offering more granular control and security by considering user identity, application context, and other factors.	5%
08 Protecting Container Workloads with vDefend Firewall	Tests knowledge of securing container workloads by providing granular, context-based security enforcement at scale, enabling zero-trust principles and protecting against lateral movement of threats.	4%
09 Gateway Firewall	Tests knowledge of security devices that sit at the edge of a network, acting as a gatekeeper to control and filter network traffic, ensuring only legitimate and secure data packets pass through while blocking unauthorized access and potential threats.	7%
10 Security Automation	Tests knowledge of integrating tools and scripting languages to automate firewall policy creation, security group management, and network configuration.	5%
11 Security Operations	Tests knowledge of managing and operating security in the private cloud.	2%
12 Role-Based Access Control	Tests knowledge of creating roles and groups within your security operations team to grant appropriate access to the portal.	4%
13 Troubleshooting	Tests knowledge of checking the health status of service instances, verifying security components, and troubleshooting protection and performance issues.	4%
14 Advanced Threat Prevention	Tests knowledge of a suite of analysis tools designed to defend against advanced threats that use known and unknown attack vectors.	2%
15 IDPS (Intrusion Detection and Prevention System)	Tests knowledge of how to inspect network traffic at every hypervisor and workload to detect and prevent advanced cyber threats.	8%
16 Malware Prevention Detection	Tests knowledge of private cloud workload safeguards against ransomware and malicious activity.	8%
17 NTA (Network Traffic Analysis) & NDR (Network Detection and Response)	Tests knowledge of proactive threat detection and response leveraging both NTA and NDR capabilities to secure virtualized workloads and environments.	11%

Recommended Courses

VMware vDefend Security for VCF 5.x Administrator Training

References

In addition to the recommended course, item writers recommend the following resources for you to reference content as you prepare to take the exam, in addition to the recommended training.

https://www.vmware.com/docs/beginners-guide-to-automation-with-vdefend-firewall

https://www.vmware.com/docs/vmware-advanced-threat-prevention-with-nsx-distributed-firewall

https://www.vmware.com/docs/vmware-nsx-ndr-so

https://www.vmware.com/docs/vmware-nsx-network-traffic-analysis

https://www.vmware.com/docs/vmw-nsx-sandbox-solution

https://www.vmware.com/docs/vmware-nsx-distributed-ids-ips-solution-overview

Sample Questions

Sample Question 1

Which of the following is NOT a characteristic that describes VMware vDefend Security?

A. Elastic scalability
B. Application unaware
C. No network changes needed
D. Supports Policy automation

Answer: B

Sample Question 2

Which of the statements below are true about the Time-Based Firewall Policy capability?
(Select all that apply)

A. Cannot be combined with VDI, RDSH, and IDFW
B. Can apply a different Security Policy based on day and time
C. Can be applied at the vDefend Distributed Firewall and Gateway Firewall
D. Require all time-based rules to be defined in UTC time zone

Answer: B, C

Sample Question 3

What role is required to start and stop vDefend Intelligence data collection?

A. Auditor
B. Cloud Administrator
C. Enterprise Administrator
D. Security Administrator

Answer: C

Sample Question 4

What file types can vDefend Gateway Malware Detection analyze? (Select all that apply)

A. Benign
B. Suspicious
C. Malicious
D. Unknown

Answer: A, B, C

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