

VMware Horizon 8.x Professional

Exam Details (Last Updated: 1/31/2023)

The VMware Horizon 8.x Professional exam (2V0-51.23) which leads to VMware Certified Professional - Desktop Management 2024 (VCP-DTM 2024) 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, pint-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 Learning Services – Certification website](#).

Minimally Qualified Candidate

The candidate has a foundation in VMware vSphere administration. The candidate has built upon this foundation with experience explaining, configuring, and maintaining VMware Horizon solutions, but occasionally needs to research topics. The candidate has knowledge of operating systems, desktop virtualization, network, storage, high availability and disaster recovery, but occasionally needs to research topics. The candidate can navigate the vSphere UI and Horizon specific sections, but occasionally needs to research topics. The candidate possesses most, but perhaps not all the knowledge shown in the exam sections (blueprint).

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 Solution

Section 3 – Plan and Design the VMware Solution

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 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 – IT Architectures, Technologies, Standards

Not Applicable

Section 2 – VMware Solution

Objective 2.1 - Describe the features and benefits of a VMware Horizon solution

Objective 2.2 - Describe the various components in a VMware Horizon solution and their use

Objective 2.1.1 - Describe the purpose of Horizon Agent

Objective 2.1.2 - Explain VMware Tools

Objective 2.1.3 - Describe the Session Collaboration feature

Objective 2.1.4 - Describe VMware Integrated Printing

Objective 2.1.5- Describe 3D rendering options available in Horizon 8

Objective 2.1.6 - Discuss scalability options available in Horizon 8

Objective 2.1.7 - Describe different security options for the Horizon environment

Objective 2.1.8- Describe Horizon Connection Server features and function

Objective 2.1.9 - Describe the features and benefits of Workspace ONE Access when used with Horizon 8

Objective 2.1.10 - Describe how a load-balancing capability improves VMware Horizon performance

Objective 2.1.11 - Describe benefits of the Cloud Pod Architecture feature for a large-scale VMware Horizon deployments

Objective 2.1.12 - Discuss the benefits of using Unified Access Gateway

Objective 2.1.13 - Describe RD Host on RDSH Farm and an application pool

Objective 2.1.14 - Compare remote display protocols that are available in VMware Horizon

Objective 2.3 - Describe conceptual and logical architecture of VMware Horizon

Section 3 – Plan and Design the VMware Solution

Not Applicable

Section 4 – Install, Configure, Administrate the VMware Solution

Objective 4.1 - Work with vSphere in a VMware Horizon solution

Objective 4.1.1 - Use the vSphere Client to access your vCenter Server system and ESXi hosts

Objective 4.1.2 - Recognize ESXi hosts communicate with vCenter Server

Objective 4.1.3 - Create and Provision a VM

Objective 4.2 - Work with VMware Horizon Desktops

Objective 4.2.1 - Create and optimize Windows VMs to create VMware Horizon desktops

Objective 4.2.2 - Configure, manage, and entitle desktop pools of full VMs

Objective 4.2.3 - Configure desktops for HTML Access

Objective 4.2.4 - Create Windows VMs

Objective 4.2.5 - Create Linux VMs

Objective 4.2.5 - Optimize the Horizon desktop using OSOT

Objective 4.3 - Work with Horizon Agent

Objective 4.3.1 - Create a golden image for VMware Horizon Windows desktops

Objective 4.3.2 - Add Application shortcuts to the Desktop and Start menu of Windows client devices

Objective 4.3.3 - Configure an application to start before a user opens the application in the Horizon Client

Objective 4.4 - Work with VMware Horizon Desktop Pools

Objective 4.4.1 - Set up a template for a desktop pool deployment

Objective 4.4.2 - Entitle user and groups to pools

Objective 4.4.3 - Access the setting and status of a pool

Objective 4.4.4 - Configure, manage and entitle pools of instant-clone desktops

Objective 4.4.5 - Push updated images to Instant Clone desktop pools

Objective 4.4.6 - Set up and automated pool of instant clones

Objective 4.5 - Work with VMware Horizon Clients

Objective 4.5.1 - Configure and manage the VMware Horizon Client systems and connect the client to a VMware Horizon desktop

Objective 4.5.2 - Identify the steps to enable and configure Session Collaboration

Objective 4.5.3 - Configure VMware Integrated Printing

Objective 4.5.4 - List the management options for permissions and folders

Objective 4.5.5 - Use Group Policy Settings (and registry) to configure Horizon Client

Objective 4.6 - Work with a Published Application

Objective 4.6.1 - Create and use Remote Desktop Services (RDS) desktops and application pools

Objective 4.6.2 - Create an application pool to give users access to an application that runs on a Windows VM in a desktop pool

Objective 4.6.3 - Create an RDS Desktop pool and application pool and access desktops and applications from Horizon Client

Objective 4.6.4 - Create application pools from installed applications in RDSH or Linux farms

Objective 4.6.5 - Describe default load-balancing procedure for RDSHs on a farm and configure a load balancing script on RDSH

Objective 4.7 - Work with Horizon Connection Server

Objective 4.7.1 - Add desktops to the Horizon Connection Server inventory

Objective 4.7.2 - Configure a Horizon Event database

Objective 4.7.3 - Describe Horizon Connection Server installation, architecture, and requirements

Objective 4.7.4 - Describe the structure of the AD LDS database and how it is navigated

Objective 4.7.5 - Describe how to apply/consume a Horizon license

Objective 4.8 - Work with authentication methods and certificates in a Horizon solution

Objective 4.8.1 - Describe the authentication and certification options for a Horizon environment

Objective 4.8.2 - Describe the authentication methods supported by Horizon Connection Server (incl. smart card authentication)

Objective 4.8.3 - Outline the steps to create a Horizon administrator

Objective 4.8.4 - Outline the steps to create a custom role

Objective 4.8.5 - Describe the purpose of using Transport Layer Security certificates for VMware Horizon

Objective 4.8.6 - Integrate Horizon with Workspace ONE Access and other SAML providers

Objective 4.9 - Work with Horizon protocols

Objective 4.9.1 - Analyze the remote display protocols that are available in VMware Horizon

Objective 4.9.2 - Describe BLAST Display protocol codecs and options

Objective 4.9.3 - List ideal applications for each BLAST codec

Objective 4.9.4 - Describe BLAST and PCoIP ADMX GPO common configurations

Objective 4.10 - Work with graphics cards in a Horizon solution

Objective 4.10.1 - Describe the 3D rendering settings available in VMware Horizon

Objective 4.10.2 - List the steps to configure graphics for use in a VMware environment

Objective 4.11 - Work with Horizon scalability options

Objective 4.11.1 - Configure load-balancing settings in Horizon Console

Objective 4.11.2 - Explain how multiple Horizon Connection Server instances in a pod maintain synchronization

Objective 4.11.3 - List several best practices for a multi-server deployment in a pod

- Objective 4.11.4 - Describe the Cloud Pod Architecture LDAP replication
- Objective 4.11.5 - Compare the purpose of the global LDAP instance and the local LDAP instance
- Objective 4.11.6 - Describe the purpose of the interpod communication and the View Interpod API(VIPA)
- Objective 4.11.7 - Describe Cloud Pod Architecture Global Entitlements
- Objective 4.11.8 - Initialize Cloud Pod Architecture
- Objective 4.12 - Work with App Volumes (specific to 4.x)
 - Objective 4.12.1 - Create and assign packages, working with Writeables, etc
- Objective 4.13 - Work with Dynamic Environment Manager (DEM)
 - Objective 4.13.1 - Work with Horizon Smart Policies
- Objective 4.14 - Configure roles and privileges in VMware Horizon

- Objective 4.15 - Work with Horizon security
 - Objective 4.15.1 - Identify the benefits of using Unified Access Gateway in the DMZ
 - Objective 4.15.2 - Identify the tunnel points when the security gateway is not used
 - Objective 4.15.3 - List the two-factor authentication methods that the Unified Access Gateway supports
 - Objective 4.15.4 - List Unified Access Gateway firewall rules
- Objective 4.16 - Describe and use the capabilities of the VMware Horizon console
 - Objective 4.16.1 - Use the dashboard to perform day 2 operations
 - Objective 4.16.2 - Monitor performance of remote desktop/s using the Horizon Performance Tracker
 - Objective 4.16.3 - Monitor desktop sessions using the HelpDesk tool
 - Objective 4.16.4 - Describe how information found on the Users and Groups page is used to control and monitor VMware Horizon users
- Section 5 – Troubleshoot and Optimize the VMware Solution
 - Objective 5.1 - Perform basic troubleshooting and repairing tasks
 - Objective 5.1.1 - Schedule maintenance of instant clones
 - Objective 5.1.2 - Resolve basic network troubleshooting (DHCP, NTP, DNS, AD)
 - Objective 5.1.3 - Awareness of log files (generation and location)

Courses used to develop this exam and strongly recommended to you for exam preparation:

[VMware Horizon: Deploy and Manage \[V8.8\]](#)

Certification Requirements

[VCP-DTM 2024](#)

References

No additional resources.

Exam Contributors

Andrew Klopp	Hari Patel
Brent McCoubrey	Jens Hennig
Chris White	Joey Ketels
Eric Monjoin	Laurens van Duijn
Ernest Nichols	Linus Bourque
Florian Casse	Manjunath Murthy
Manfred Hofer	Mark Miller
Hans Kraaijeveld	Pawel Piotrowski
Rick Watson	Ryan Costello
Tulika Srivastava	Wouter Kursten
Kai Kilka	Thomas Schonfeld
William Uhlig	Kenneth Fignerlos
Arno Meijroos	Andre Lahrmann
Nigel Huckey	Katie Held
Thiago Valcesia	Mark Gabryjelski
Roch Norwa	Reinhard Partman



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