

Professional VMware Horizon 8.X

Exam Details (Last Updated: 10/1/2021)

The Professional VMware Horizon 8.X exam (2V0-51.21) which leads to VMware Certified Professional - Desktop Management 2021 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 five-minute seating time and adequate time to complete the exam for non-native English speakers. Actual exam time is 130 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 [VMware Education Services – Certification website](#).

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has a foundation in vSphere implementation and administration. The candidate has built upon this foundation with 6 months of experience installing, configuring, and maintaining VMware Horizon environments. The successful candidate will have 1 year of IT experience working with Windows and /or Linux. The MQC will also possess basic desktop virtualization, network, storage, and high availability and disaster recovery knowledge. The MQC should have all the knowledge contained in the VCP – DTM exam blueprint.

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 – Products and Solutions

Section 3 – Planning and Designing

Section 4 – Installing, Configuring, and Setup

Section 5 – Performance-tuning, Optimization, and Upgrades

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 –Architectures and Technologies

Objective 1.1 - Differentiate between VDI deployed on-premises or on cloud platforms

Objective 1.2 - Describe disaster recovery and high availability

Objective 1.3 - Determine user client types (zero client, thin client)

Objective 1.4 - Explain basic virtualization concepts

Objective 1.5 - Describe software-defined data center and the cloud infrastructure

Objective 1.6 - Describe user profile-management

Objective 1.7 - Describe application virtualization

Objective 1.8 - Describe scalability (Global Entitlement Layer with Cloud Pod Architecture)

Objective 1.9 - Understand use cases for display protocols

Section 2 –VMware Products and Solutions

Objective 2.1 - Identify Horizon Enterprise components and subcomponents (Thin App, App Volumes, Horizon, vSphere, DEM)

Objective 2.2 - Identify and describe VMware disaster recovery, high availability and scalability (All VMware products; Cloud Pod Architecture, load-balancing, etc.)

Objective 2.3 - Differentiate and match use cases with VMware products (Horizon or Horizon Cloud Service)

Objective 2.4 - Describe the benefits of Workspace ONE Access for Horizon

Objective 2.5 - Describe Unified Access Gateway appliance

Objective 2.6 - Describe the interoperability of Horizon with other VMware products

Section 3 – There are no testable objectives for this section

Section 4 – Installation, Configuration, and Setup

Objective 4.1 - Identify infrastructure requirements (minimums, maximums, and recommended sizing requirements, OS version support, database versions, on-premises vs cloud, etc.)

Objective 4.2 - Install and configure Horizon components

Objective 4.2.1 - Install and configure Horizon Connection Server (True SSO, Replica etc.)

Objective 4.2.2 - Install and configure Dynamic Environment Manager (Helpdesk Tool, Self-support Tool, Smart Policies, Shares, Profiles, GPO, etc.)

Objective 4.2.3 - Install and configure App Volumes

Objective 4.2.4 - Install and configure Unified Access Gateway (deployments, network configuration, edge services, authentication methods, etc.)

Objective 4.3 - Manage the AD LDS Database for Horizon Connection Server

Objective 4.4 - Describe the authentication and certificate options for a Horizon environment

Objective 4.5 - Configure graphics cards for use in Horizon

Objective 4.6 - Identify security requirements and policies (client-side, administrative-side, etc.)

Objective 4.7 - Integrate Workspace ONE Access and Horizon 8 to manage user access

Section 5 - There are no testable objectives for this section

Section 6 – Troubleshooting and Repairing

Objective 6.1 - Collect valid and accurate information regarding problems

Objective 6.2 - Understand where to get logs and how to generate a log bundle

Objective 6.3 - Troubleshoot Horizon solution components (communication, replication, ODBC connections, compatibility, permissions, trust relationships)

Objective 6.4 - Apply systematic troubleshooting methods to logically diagnose faults and increase troubleshooting efficiency

Objective 6.5 - Troubleshoot common problems faced by horizon clients (black screen, incorrect GPO etc.)

Objective 6.6 - Interpret the event database to diagnose issues

Section 7 – Administrative and Operational Tasks

Objective 7.1 - Identify use cases for pool configuration (priming process, power states, assignment types, entitlements, 3D graphics)

Objective 7.1.1 - Compare, contrast, and configure Full Clones and Instant Clones

Objective 7.1.2 - Identify when to use RDS Desktop Pool and Application Pool (RDSH farms)

Objective 7.1.3 - Perform Day 2 operations and changes on desktop pools (editing pool settings, changing pool sizes, recover, push)

Objective 7.2 - Manage Horizon user sessions (Helpdesk Tool, Horizon Administration, etc.)

Objective 7.3 - Configure Group Policy Objects in Horizon (Horizon GPO Bundle)

Objective 7.4 - Identify when to use command line tools (kiosk mode, vdmadmin)

Objective 7.5 - Configure role based delegated administration for Horizon

Objective 7.6 - Create, manage, assign, provision and update an App Volumes Application Package

Objective 7.7 - Create, manage, and assign a writable volume (customize template, move, backup, restore)

Objective 7.8 - Manage DEM profiles in the DEM console

Objective 7.9 - Configure, manage, use DEM Application Profiler

Objective 7.10 - Configure Cloud Pod Architecture

Objective 7.10.1 - Perform global entitlements and configure Home Site for user accounts

Objective 7.11 - Create an internal CA signed certificate

Objective 7.12 - Deploy and configure UAG

Recommended Courses

VMware Horizon 8: Deploy and Manage

VMware Horizon 8: Deploy and Manage plus App Volumes Fast Track

VMware Horizon 8: Deploy and Manage – On Demand

CERTIFICATION

VCP-DTM 2021

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.

<http://kb.vmware.com> - [Horizon]

<http://www.vmware.com> - [Products – Horizon]

<https://blogs.vmware.com> - [Horizon]

<https://docs.vmware.com> - [Horizon]

<https://www.vmware.com/support/pubs/> - [Horizon]

<https://www.vmware.com/techpapers.html> - [Horizon]

<http://pubs.vmware.com> – [Horizon]

*Horizon content in this exam based on v8.X. Review all v8.X release notes and material for features and function.

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