

Advanced Deploy VMware Horizon 7.X

Exam Details (Last Updated: 9/25/2020)

The Advanced Deploy VMware Horizon 7.X (3V0-51.20) which leads to VMware Certified Advanced Professional – Desktop and Mobility 2021 certification is a 28-item exam, with a passing score of 300 using a scaled scoring method. Candidates are given 205 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 webpage](#).

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has one year of hands-on experience installing, configuring, managing and troubleshooting Horizon 7.X solutions. The MQC has one to two years of experience in information technology with hands-on experience with Microsoft Windows OS. The MQC will possess advanced knowledge of vSphere and virtual machine environments, as well as network and storage technologies.

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 – There are no testable objectives for this section.

Section 2 – There are no testable objectives for this section.

Section 3 – There are no testable objectives for this section.

Section 4 – Installing, Configuring, and Setup

Objective 4.1 – Verify infrastructure requirements (minimums, maximums, recommended sizing requirements, OS version support, database versions, etc.)

Objective 4.2 – Install and configure Horizon components

Objective. 4.3 – Identify security requirements and policies (Client-side, Administrative-side, etc.)

Objective 4.4 – Install, configure and integrate Identity Manger with Horizon (SAML)

Section 5 – There are no testable objectives for this section.

Section 6 – Troubleshooting and Repairing

Objective 6.1- Troubleshoot Horizon solution components (communication, replication, ODBC connections, compatibility, permissions, trust relationships, etc.)

Objective 6.1.1 - Analyze and match logs to use cases

Objective 6.1.2 - Troubleshoot provisioning errors

Objective 6.1.3 - Troubleshoot networking and client connectivity errors

Objective 6.1.4 - Troubleshoot agent availability errors (desktop)

Section 7 – Administrative and Operational Tasks

- Objective 7.1 - Optimize desktop for pools (VM hardware, software, VMware OS Optimization Tool, VMware Tools, golden-image)
- Objective 7.2 - Identify use cases for pool configuration (priming process, power states, assignment types, entitlements, 3D graphics)
 - Objective 7.2.1 - Compare, contrast, and configure Full Clones and Instant Clones
 - Objective 7.2.2 - Identify when to use RDS Desktop Pool and Application Pool (RDSH farms)
 - Objective 7.2.3 - Perform update operations and changes on desktop pools (editing pool settings, changing pool sizes, recover, push)
- Objective 7.3 - Manage Horizon user sessions (Helpdesk Tool, Horizon Administration, etc.)
- Objective 7.4 - Configure Group Policy Objects in Horizon 7 (Horizon GPO Bundle)
- Objective 7.5 - Identify when to use and utilize command line tools (vdmadmin, etc.)
- Objective 7.6 - Configure role based delegated administration for Horizon
- Objective 7.7 - Create, manage, assign, provision and update an App Stack
- Objective 7.8 - Create, manage, and assign a writable volume (customize template, move, backup, restore)
- Objective 7.9 - Manage UEM profiles in the UEM console
- Objective 7.10 - Configure, manage and use UEM Application Profiler
- Objective 7.11 - Add Horizon applications through Identity Manager (entitlement sync)

Recommended Courses

[VMware Horizon 7: Install, Configure, Manage \[7.10\]](#)

[VMware Horizon 7: Troubleshooting and Performance Optimization \[V7.7\]](#)

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 |
|--|-------------|
| http://www.vmware.com | Horizon 7.X |
| http://kb.vmware.com | Horizon 7.X |
| https://blogs.vmware.com | Horizon 7.X |
| https://docs.vmware.com | Horizon 7.X |
| https://www.vmware.com/support/pubs/ | Horizon 7.X |
| https://www.vmware.com/techpapers.html | Horizon 7.X |
| http://pubs.vmware.com | Horizon 7.X |
| | |

*VMware Horizon content in this exam is based on version 7.X. Review all 7.X release notes and material for features and function.

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