

# VMware Certified Advanced Professional 7 – Desktop and Mobility Design Exam

## Exam Details (Last Updated: 12/13/2019)

The VMware Certified Advanced Professional – 7 Desktop and Mobility Design exam (**3V0-752**) which leads to the VMware Certified Advanced – Desktop and Mobility Design 2021 certification is a 60-item exam, with a passing score of 300 using a scaled method. Candidates are given an appointment time of 130 minutes, 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 website](#).

## Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is a conceptualization of the certification candidate that possesses the minimum knowledge, skills, experience, and competence to just meet our expectations of a credentialed individual.

The Minimally Qualified Candidate for the VCAP-DTM Design certification has a working knowledge of VMware vSphere and advanced knowledge of VMware end-user computing solutions (including, but not limited to technologies such as **VMware Horizon (7.1/7.2)** View, ThinApp, vSAN, Workspace One, App Volumes, vRealize Operations for Horizon, Identity Manager, User Environment Manager). The candidate typically has 5+ years of general IT experience with at least 12 months of experience recommending and designing end-user computing solutions that meet customer goals and requirements in a production environment. Candidates possess an advanced knowledge of end-user computing environments and components, enabling them to recommend and design VMware solutions to meet specific goals and requirements. The successful candidate will likely hold one or more industry-recognized general IT certifications or accreditations. The MQC must have a VMware Certified Professional certification and should have all the knowledge contained in the VCAP7-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 – Create a Horizon Conceptual Design

Section 2 – Create a Horizon Logical Design

Section 3 – Create a Physical Design for vSphere and Horizon Components

Section 4 – Create a Physical Design for Horizon Storage

Section 5 – Create a Physical Design for Horizon Networking

Section 6 – Create a Physical Design for Horizon Desktops and Pools

Section 7 – Incorporate Application Services into a Horizon Physical Design

Section 8 – Incorporate Endpoints into a Horizon Design

If a section is missing from the list below, please note it is because the exam has no testable objectives for that section. 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 – Create a Horizon Conceptual Design

Objective 1.1 – Gather and analyze requirements

Objective 1.2 – Gather and analyze application requirements

Objective 1.3 – Differentiate requirements, risks, constraints and assumptions

Objective 1.4 – Evaluate existing business practices against established use cases

Section 2 – Create a Horizon Logical Design

Objective 2.1 – Map Business Requirements to the Logical Design

Objective 2.2 – Map Horizon Solution Dependencies

Objective 2.3 – Build Availability Requirements into the Logical Design

Objective 2.4 – Build Manageability Requirements into the Logical Design

Objective 2.5 – Build Performance Requirements into the Logical Design

Objective 2.6 – Build Recoverability Requirements into the Logical Design

Objective 2.7 – Build Security Requirements into the Logical Design

Section 3 – Create a Physical Design for vSphere and Horizon Components

Objective 3.1 – Create a Horizon Pod and Block Architecture Design

Objective 3.2 – Extend Horizon Architecture Design to Support Additional Horizon Suite Components

Objective 3.3 – Design vSphere Infrastructure to Support a Horizon Implementation

Objective 3.4 – Add Required Services to Support a Given vSphere Design

Section 4 – Create a Physical Design for Horizon Storage

Objective 4.1 – Create and Optimize a Physical Design for Horizon Infrastructure Storage

Objective 4.2 – Create and Optimize a Physical Design for View Pool Storage

Objective 4.3 – Create and Optimize a Physical Storage Design for Applications

Objective 4.4 – Create and Optimize a Tiered Physical Horizon Storage Design

Objective 4.5 – Integrate Virtual SAN into a Horizon Design

Section 5 – Create a Physical Design for Horizon Networking

Objective 5.1: Plan and Design Network Requirements for Horizon solutions (including Mirage and Workspace One)

Objective 5.2: Design Network and Security Components Based on Capacity and Availability Requirements

Objective 5.3: Evaluate GPO and Display Protocol Tuning Options Based on Bandwidth and Connection Limits

Section 6 – Create a Physical Design for Horizon Desktops and Pools

Objective 6.1 – Design Virtual and Physical Image Masters

Objective 6.2 – Optimize Desktop Images, OS Services and Applications for a Horizon Design

Objective 6.3 – Incorporate Desktop Pools into a Horizon Design

Objective 6.4 – Incorporate RDS Pools into a Horizon Design

Section 7 – Incorporate Application Services into a Horizon Physical Design

Objective 7.1: Design Application Integration and/or Delivery System(s) using Horizon Application Tools

Objective 7.2: Design Active Directory to Facilitate Application Assignment

Objective 7.3: Design and Size RDS Application Pools and Farms

Objective 7.4: Create Application Architecture Design

Objective 7.5: Design Application Integration and/or Delivery System(s) using Horizon Workspace One

Section 8 – Incorporate Endpoints into a Horizon Design

Objective 8.1 – Incorporate Session Connectivity Requirements in a Horizon End Point Design

Objective 8.2 – Incorporate Management Requirements in a Horizon End Point Client Design

Objective 8.3 – Incorporate Security Requirements in a Horizon End Point Design

## Certification Requirements

VCAP-DTM Design 2021

### Sample Exam Questions

#### Sample Question 1

An architect has been assigned to evaluate a VMware Horizon View implementation. After discussions with the application owners, infrastructure team, and users, the architect confirms that there are legacy applications. The architect also discovers that there are login scripts used to map network printers and network drives.

Which two VMware Horizon View components can the architect recommend to address the discoveries? (Choose two.)

- A. VMware ThinApp
- B. VMware Mirage
- C. VMware User Environment Manager
- D. VMware Identity Manager
- E. VMware Fusion

#### Sample Question 2

An architect is designing a View environment for a customer who can accept no single points of failure.

Which three VMware-supported options provide redundancy for the VMware vCenter Server 6.5 which manages desktop VMs? (Choose three.)

- A. VMware vCenter Server Heartbeat
- B. VMware vSphere HA
- C. Microsoft Cluster Services
- D. vCenter HA
- E. Enhanced Linked Mode

#### Sample Question 3

Which two areas can benefit from having multiple vCenter servers for desktop virtual machine management? (Choose two.)

- A. Power and provisioning operations.
- B. Flexibility for managing maintenance windows.
- C. Performance for user logon and logoff operations.
- D. Restart and reset operations.

#### Sample Question 4

What is the maximum number of hosts and virtual machines supported by VMware vCenter Server v6.5 Appliance according to VMware?

- A. 2,000 Hosts and 25,000 virtual machines
- B. 200 Hosts and 2500 virtual machines
- C. 100 Hosts and 1000 virtual machines
- D. 1,000 Hosts or 10,000 virtual machines

### Sample Question 5

Which resource can an architect use to calculate vSAN sizing and cost estimates when considering a VMware vSAN integration into a Horizon 7 design?

- A. VMware vRealize Business
- B. VMware vRealize Operations Manager for Horizon
- C. VMware vSAN TCO and sizing calculator
- D. VMware vSAN Design and Sizing Guide

### Sample Question 6

A small government organization wants to deploy VMware App Volumes to support 80 end users on both a legacy Citrix XenApp environment and a newly deployed VMware Horizon system using application pools. Due to a constraint, the customer cannot implement vSphere high availability.

Which is the minimum number of App Volumes Manager servers that can be deployed for redundancy?

- A. 2
- B. 4
- C. 6
- D. 8

### Sample Question 7

The CIO of a hospital which uses VMware Horizon has ordered a review of the main medical application that is accessed by all medical users. As a result of the review, the CIO has asked the IT administrator to make the application available to his medical staff regardless of the device from which the user accesses the application. Because this is the main medical software, there are a number of restrictions:

- Application must remain secure and under IT control at all times.
- Application must be available in all five of the company's main hospitals.
- Storage is limited at three of the five hospitals.
- Users must have a single point of entry to access the application.
- Application will be accessed by over 5,000 users.

Which two could be used to deploy the application? (Choose two.)

- A. VMware App Volumes

- B. VMware Mirage
- C. Horizon FLEX
- D. Horizon Published Applications
- E. VMware Fusion

### Sample Question 8

A company is struggling with shadow IT. Different departments are purchasing a wide range of different SaaS-based software. To bring order and to ensure compliance, the CIO has decided to implement a Digital Workspace with the following goals, in order of importance:

- Present approved SaaS software to users and offer Single-Sign On (SSO) using a portal.
- Bring mobile devices under management, but still offer user choice. Enrolled users should get a better user experience. If not enrolled, access should still be provided.
- Allow access to internal web applications from the Internet without the need for a VPN solution. The internal Web applications support Kerberos for SSO.
- Critical to success is a great user experience.

Which solution satisfies all of these goals?

- A.
  - Implement Workspace One cloud hosted. Deploy AirWatch Cloud Connector for user synchronization.
  - Integrate both SaaS and internal web applications into the VMware Identity Manager Portal using the native support for SAML and Kerberos in the portal.
  - Promote the native Workspace One mobile app to drive adaptive management of mobile devices.
- B.
  - Implement Airwatch and VMware Identity Manager on-premises.
  - Present SaaS based applications using VMware Identity Manager and configure AirWatch to do per-app VPN and Kerberos Identity Bridge to internal web applications.
  - Instruct users to enroll into AirWatch for full functionality
- C.
  - Implement Workspace One cloud hosted. Deploy AirWatch Cloud Connector for user synchronization.
  - Deploy Horizon and publish a web browser to cover the seamless access to Kerberos enabled internal Web application.
  - Promote the native Workspace One mobile app to drive adaptive management of mobile devices.

D.

- Implement Workspace One cloud hosted. Deploy AirWatch Cloud Connector for user synchronization.
- Deploy Unified Access Gateway (UAG) on-premises.
- Configure UAG to perform Kerberos Identity Bridge and Application Proxy for internal web applications.
- Integrate SaaS applications and UAG into Workspace One Portal. Promote the native Workspace One mobile app to drive adaptive management of mobile devices

### Sample Question 9

A company has a mix of older zero clients, Windows, and Mac devices as endpoints which connect to Horizon View 7.1 desktops. An online meeting and conferencing application has been chosen as the new corporate conferencing solution. The company is concerned that the current Horizon View environment will not be able to support the added audio and video traffic.

What two things must be done to the environment to ensure proper functionality of the application? (Choose two.)

- A. Configure USB redirection group policy settings to disable the display of webcams and audio devices.
- B. Enable RTAV through group policy.
- C. Configure USB redirection group policy settings to prioritize webcam and audio devices.
- D. Migrate PCoIP to BLAST
- E. Deploy Identity Manager to manage access to the online meeting and conference application.

### Sample Question 10

A company wants to deploy Horizon View 7.1 to provide virtual desktops to remote users without installing Horizon Client software. For security and management reasons, they have asked for the following:

- No USB redirection
- No local printing
- Use of TCP only

Which two components and features meet the requirements? (Choose two.)

- A. Smart Policies
- B. SSL Certificates
- C. HTML access enabled pools
- D. SSL VPN
- E. Direct Connection

## Answer Key:

1-A and C; 2-B,C,and D; 3-A and B; 4-A; 5-C; 6-B; 7-A and D; 8-D; 9-B and C; 10-B and C

## Recommended Courses

[VMware Horizon 7: Design Workshop \[V7\]](#)

[VMware Horizon 7: Install, Configure, Manage \[V7.7\]](#)

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

## References\*

In addition to the recommended course, 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://www.vmware.com>

<https://communities.vmware.com/docs/>

<http://pubs.vmware.com>

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## Exam Content Contributors

Aamir Khan  
Brent McCoubrey  
Chris White  
Dale Carter  
Ernest Nichols  
Jens Hennig  
Jishnu Surendran Thankamani  
Johan Van Amersfoort  
Kenneth Fingerlos  
Linus Bourque  
Nigel Hickey  
Tulika Srivastava

Patrick Kremer  
Rick Watson  
Peter Bjork  
Sean Massey  
Ray Heffer  
Wouter Kursten  
Safouh Kharrat  
Sebastian Szumigalski  
Ryan Costello  
Shady Ali Ahmed El Malatawey  
Manfred Hofer



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