

Exam Preparation Guide

Last Updated: Tuesday, September 11, 2018



Exam Details

The Advanced Deploy vSphere 6.5 Exam (3V0-21.18) which leads to VMware Certified Advanced Professional – Data Center Virtualization Deploy 2018 certification is a 17-item exam, with a passing score of 300 using a scaled method. Candidates are given a time of 205 minutes, with an automatic 30-minute time extension for non-native English speakers, to complete the exam.

Exam Delivery

This is a lab-based proctored exam delivered at Pearson VUE testing centers, world-wide. For more information, visit the [Pearson VUE website](#).

Certification Information

Achieving VMware Certified Advanced Professional- Data Center Virtualization Deploy 2018 certification:

Path if you hold no VCAP certifications:

1. Earn the VCP6.5-DCV
2. (Recommend) Attend the following training courses:
 - a. VMware vSphere: Design and Deploy Fast Track [V6]
 - b. VMware vSphere: Optimize and Scale [V6.5]
3. Pass the Advanced Deploy vSphere 6.5 Exam 2018 (3V0-21.18)

Path if you hold a VCP6-DCV:

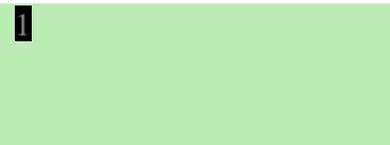
1. Earn the VCP6.5-DCV
2. (Recommend) Attend the following training courses:
 - a. VMware vSphere: Design and Deploy Fast Track [V6]
 - b. VMware vSphere: Optimize and Scale [V6.5]
3. Pass the Advanced Deploy vSphere 6.5 Exam 2018 (3V0-21.18)

Path if you hold any version of VCAP-DCV:

1. (Recommend) Attend the following training courses:
 - a. VMware vSphere: Design and Deploy Fast Track [V6]
 - b. VMware vSphere: Optimize and Scale [V6.5]
2. Pass the Advanced Deploy vSphere 6.5 Exam 2018 (3V0-21.18)

Path if you hold a VCP or VCAP in a different track:

1. Earn the VCP6.5-DCV



2. (Recommend) Attend the following training courses:
 - a. VMware vSphere: Design and Deploy Fast Track [V6]
 - b. VMware vSphere: Optimize and Scale [V6.5]
3. Pass the Advanced Deploy vSphere 6.5 Exam 2018 (3V0-21.18)

For more details and a complete list of requirements and recommendations for certification attainment, please reference the [VMware Education Services – Certification website](#).

Product Affiliation

This badge and associated requirements cover vSphere 6.5.

Training Affiliation

The [VMware vSphere: Design and Deploy Fast Track \[V6\]](#) and [VMware vSphere: Optimize and Scale \[V6.5\]](#) are strongly recommended preparatory training courses, though not required.

Minimally Qualified Candidate

A minimally qualified candidate (MQC) achieving the VMware Certified Advanced Professional — Data Center Virtualization Deploy 2018 certification is capable of deploying, optimizing, operating, and troubleshooting complex virtualized environments. Complex environments are those that require cooperative administration across multiple locations and technologies. The candidate demonstrates technical leadership with the use of automation tools, implementing and remediating virtualized environments as well as administering all vSphere features. Candidates are required to obtain a valid VMware Certified Professional 6.5– Data Center Virtualization certification prior to attempting this certification.

A minimally qualified candidate for the VCAP-DCV Deploy 2018 certification has two years of experience deploying and managing VMware virtualized data center environments.

Exam Sections (Not all sections will be tested on the exam)

Section 1. Create and Deploy vSphere 6.x Infrastructure Components vSphere 6.x Infrastructure Components

Objective 1.1 – Perform automated ESXi Host deployment and configuration

Objective 1.2 – Deploy and Configure Core Management Infrastructure Components

Objective 1.3 – Deploy and Configure Update Manager Components

Objective 1.4 – Perform Virtual Machine Configuration

Section 2. Deploy and Manage a vSphere 6.x Storage Infrastructure

Objective 2.1 – Implement Complex Storage Solutions

Objective 2.2 – Manage Complex Storage Solutions

Objective 2.3 – Troubleshoot Complex Storage Solutions

Section 3. Deploy and Manage a vSphere 6.x Network Infrastructure

Objective 3.1 – Implement and Manage vSphere Standard Switch (vSS) Networks

Objective 3.2 – Implement and Manage vSphere 6.x Distributed Switch (vDS) Networks

Objective 3.3 – Scale a vSphere 6.x Network Implementation

Objective 3.4 – Troubleshoot a vSphere 6.x Network Implementation

Section 4. Configure a vSphere 6.x Deployment for Availability and Scalability

Objective 4.1 – Implement and Maintain vSphere Availability Solutions

Objective 4.2 – Implement and Manage DRS Solutions

Objective 4.3 – Troubleshoot vSphere Clusters

Section 5. Configure a vSphere 6.x Deployment for Manageability

Objective 5.1 – Manage a vSphere environment using command line tools

Objective 5.2 – Implement and Maintain Host Profiles

Objective 5.3 – Manage and Analyze vSphere log files

Objective 5.4 – Configure and Manage Content Library

Section 6. Configure a vSphere 6.x Deployment for Performance

Objective 6.1 – Utilize vSphere Performance Monitoring Tools

Objective 6.2 – Optimize Virtual Machine Resources

Section 7. Configure a vSphere 6.x Deployment for Recoverability

Objective 7.1 – Deploy and Manage vSphere Replication

Objective 7.2 – Deploy and Manage vSphere Data Protection

Objective 7.3 – Backup and Recover vSphere Configurations

Objective 7.4 – Deploy and Manage vCenter Server Appliance High Availability

Section 8. Configure a vSphere 6.x Environment for Security

Objective 8.1 – Manage Authentication and End-User Security

Objective 8.2 – Manage SSL Certificates and Encryption Keys

Objective 8.3 – Harden a vSphere Deployment

Objective 8.4 – Securing and Encrypting a Virtual Machine

Resources:

Visually Learn About Exciting New Capabilities of Auto Deploy in vSphere 6.5

VMware vSphere Blog Visually Learn About Exciting New Capabilities of Auto Deploy in vSphere 6.5

VMware vSphere

Join the vCenter Server Appliance to an Active Directory Domain

Reconfiguring VMware vSphere Update Manager

vSphere Resource Management

vSphere Networking

Edit a Policy

VMware vSphere Replication Installation and Configuration

vSphere Security

Back up a vCenter Server Appliance by Using the vCenter Server Appliance Management Interface

Enable Traffic Filtering and Marking on a Distributed Port or Uplink Port

Exam Content Contributors

Drew LaBonne

Christopher Morrow

Parimala Swamy

Michael Gorka

Wee Kiong Tan

Wen Bin Tay

Ross Wynne

Zackery Gregory

James Walker

Frank Escaros-Buechsel

James Bowling

Fabrizio De Luca

Christian Parker

Kenneth Fingerlos

Jon Pawlowski

Jayson Block

Jason Coleman

Donald Schubot

Christian Mohn

Petr McAllister

Rob Thomas

Jacy Townsend

Nathan Small

Jonathan McDonald

Raymundo Escobar

David Sincavage

Kevin Dickens

Mike Brown

Rebecca Fitzhugh

Mike Burkhart

Kim Bottu