

# Advanced Deploy VMware vSphere 6.5

## Exam Details (Last Updated: 1/21/2020)

The Advanced Deploy VMware vSphere 6.5 (3V0-21.18) which leads to VMware Certified Advanced Professional – Data Center Virtualization Deploy 2020 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 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

A minimally qualified candidate (MQC) achieving the VMware Certified Advanced Professional – Data Center Virtualization Deploy 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 - Data Center Virtualization certification prior to attempting this certification. A minimally qualified candidate for the VCAP-DCV Deploy 2020 certification has minimum two years of experience deploying and managing VMware virtualized data center environments.

## Exam Sections

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

## Recommended Courses

[VMware vSphere: Optimize and Scale \[V6.5\]](#)

## References

[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](#)

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