

# Advanced Deploy VMware vRealize Automation 7.3

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

The Advanced Deploy VMware vRealize Automation 7.3 (**3V0-31.19**) exam, which leads to VMware Certified Advanced Professional – Cloud Management and Automation Deploy 2021 certification is a 22-item exam, with a passing score of 300 using a scaled method. Candidates are given a time of 205 minutes, which includes adequate time to complete the exam for non-native English speakers.

## Product Affiliation

This exam covers VMware **vRealize Automation 7.3**.

## 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) achieving the VMware Certified Advanced Professional – Cloud Management and Automation Deploy 2021 certification has professional-level knowledge of VMware vSphere and VMware NSX for vSphere and advanced knowledge of cloud administration using vRealize Suite, including—but not limited to—VMware vRealize Automation (vRA), VMware vRealize Business for Cloud, and VMware vRealize Orchestrator (vRO). The candidate also has 5+ years of general IT experience with a minimum of 12-24 months experience with vRealize Suite in a production environment. The candidate possesses advanced knowledge of administering cloud environments and components, enabling them to deploy VMware solutions to meet specific goals and requirements. The candidate has obtained a valid VMware Certified Professional – Cloud Management and Automation level certification prior to attempting this certification.

## 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. Blueprints

Section 2. Resource Management

Section 3. Approval and Governance

Section 4. Troubleshooting

Section 5. Extensibility

Section 6. Tenant Administration

Section 7. Deployment Architecture

Section 8. Security

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. Blueprints

Objective 1.1 – Create a blueprint for a given multi-tier application

Objective 1.2 – Modify an existing blueprint to provision new network(s)

Objective 1.3 – Import/export blueprints

Objective 1.4 – Create and manage property definitions/groups and component profiles

Objective 1.5 – Consume NSX components of a complex blueprint

Section 2. Resource Management

Objective 2.1 – Create and manage multiple endpoints

Objective 2.2 – Create and manage storage profiles

Objective 2.3 – Configure vRealize Automation to consume NSX resources

Section 3. Approval and Governance

Objective 3.1 – Manage multiple reservations to meet business needs

Objective 3.2 – Implement a governance model that maps to given business needs

Objective 3.3 – Configure notifications to allow approvers to respond via email

Section 4. Troubleshooting

Objective 4.1 – Troubleshoot infrastructure issues

Objective 4.2 – Troubleshoot tenant operations

Objective 4.3 – Troubleshoot provisioning issues

#### Section 5. Extensibility

Objective 5.1 – Create and test extensibility functions through vRealize Orchestrator

Objective 5.2 – Use the Event Broker to extend vRA processes

Objective 5.3 – Enable consumption of XaaS

#### Section 6. Tenant Administration

Objective 6.1 – Manage authentication configuration to meet business requirements

Objective 6.2 – Add additional tenants and/or business groups to existing ones

#### Section 7. Deployment Architecture

Objective 7.1 – Scale vRealize Automation components to a highly-available configuration

#### Section 8. Security

Objective 8.1 – Renew, and/or replace security certificates on distributed vRealize Automation components

Objective 8.2 – Secure a vRealize Automation deployment in accordance with the VMware hardening guide

## Recommended Courses

[VMware Cloud Automation: Design and Deploy \[V7.1\]](#)

## 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.

- VMware vRealize Automation
- Prepare a Linux Reference Machine to Support Software
- Add an On-Demand Load Balancer Component
- Add an Existing Security Group Component
- Add an On-Demand NAT or On-Demand Routed Network Component
- Exporting and Importing Blueprints and Content
- VMware vSphere
- VMware vRealize Business for Cloud
- Add a vRealize Automation Host
- Add an IaaS Host
- Assign a Storage Reservation Policy to a Datastore

- Create a Storage Reservation Policy
- Create an NSX Endpoint and Associate to a vSphere Endpoint
- Create a Business Group
- Specify Virtual Reservation Information
- Specify Resource and Networking Settings for a Virtual Reservation
- Approval Policy Settings
- Configure Notifications
- Create a Global Outbound Email Server
- Create a Global Inbound Email Server
- Installing and Configuring the Proxy Agent for vSphere
- Machine Requests Fail When Remote Transactions Are Disabled
- Create a Fabric Group
- vRealize Automation Deployment
- Add Users or Groups to an Active Directory Connection
- Create an Approval Level
- Developing with VMware vRealize Orchestrator
- Using the vRealize Automation Plug-In
- Using the vCenter Plug-In
- vRealize Automation Extensibility Migration Guide
- Life Cycle Extensibility
- XaaS Blueprints
- XaaS Blueprints and Resource Actions
- Choosing Directories Management Configuration Options
- Configuring Groups and User Roles
- Appoint Administrators Create Additional Tenants
- Installing or Upgrading vRealize Automation
- Install the vSphere Agent
- Add Another vRealize Automation Appliance to the Cluster
- Secure Configuration Guide

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