

Professional VMware vRealize Automation 8.x

Exam Details (Last Updated: 01/04/2020)

The Advanced Deploy VMware vRealize Automation 8.x (3V0-31.21) exam, which leads to VMware Certified Advanced Professional – Cloud Management and Automation Deploy 2021 certification is a 11-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.

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 – 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 Setting Up

Objective 4.1 – Perform a clustered deployment (using vRealize Suite Lifecycle Manager)

Objective 4.2 – Modify directory settings (sync settings, user attributes, connectors, etc.)

Objective 4.3 – Configure vRealize Automation identity and access management (RBAC)

4.3.1 Assign organization roles

4.3.2 Assign service roles

Objective 4.4 – Add Cloud Accounts

Objective 4.5 – Add Cloud Zones

Objective 4.6 – Add Projects

Objective 4.7 – Add Image Mappings

Objective 4.8 – Add Flavor Mappings

Objective 4.9 – Add Network Profiles

Objective 4.10 – Add Storage Profiles

Objective 4.11 – Add Pricing cards

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

Section 6 – Troubleshooting and Repairing

Objective 6.1 – Troubleshoot vRealize Automation deployment issues

Objective 6.2 – Troubleshoot using "vracli" commandlet

Objective 6.3 – Troubleshoot vRealize Automation Appliance services using "kubect!" commandlet

Objective 6.4 – Troubleshoot vRealize Operations integration

Objective 6.5 – Troubleshoot vRealize Log Insight integration

Objective 6.6 – Troubleshoot catalog/blueprint provisioning errors

6.6.1 Correct the blueprint YAML file

6.6.2 Troubleshoot capability tags and constraint tags

Objective 6.7 – Troubleshoot Service Broker policies

Objective 6.8 – Troubleshoot Identity Manager directory synchronization

Objective 6.9 – Troubleshoot organization and service roles

Objective 6.10 – Troubleshoot projects

Objective 6.11 – Troubleshoot cloud resources

Objective 6.12 – Troubleshoot extensibility

Section 7 – Administrative and Operational Tasks

Objective 7.1 – Manage Public Clouds (AWS, Azure, GCP, VMC on AWS)

Objective 7.2 – Manage Extensibility

7.2.1 Add and Manage Event Subscriptions

7.2.2 Add and Manage Actions

Objective 7.3 – Manage blueprints

7.3.1 Edit blueprints using YAML editor

7.3.2 Create multi-tier blueprints

Objective 7.4 – Configure vRealize Operations workload placement in vRealize Automation

Objective 7.5 – Consume NSX-T (security groups, logical networks, and load balancers) in vRealize Automation

Objective 7.6 – Manage vRealize Automation using vRealize Suite Lifecycle Manager

Objective 7.7 – Manage Cloud Accounts

Objective 7.8 – Manage Cloud Zones

Objective 7.9 – Manage Projects

Objective 7.10 – Manage Image Mappings

Objective 7.11 – Manage Flavor Mappings

Objective 7.12 – Manage Capability and Constraint Tags

Objective 7.13 – Manage Storage Profiles

Objective 7.14 – Manage Network Profiles

Objective 7.15 – Manage NSX-T networks, security groups and load balancers

Objective 7.16 – Configure Service Broker

7.16.1 Configure Custom Forms

7.16.2 Import/export Custom Forms

Objective 7.17 – Create Content Sources

Objective 7.18 – Manage Content Sharing

Objective 7.19 – Deploy and manage Kubernetes clusters via vRealize Automation

7.19.1 Create and manage Kubernetes zones

7.19.2 Import existing Kubernetes clusters

7.19.2 Create Kubernetes namespaces

Objective 7.20 – Customize a deployment using Cloud-Config

Objective 7.21 – Create and Manage Pipelines

Recommended Courses

[VMware vRealize Automation: Advanced Features and Troubleshooting \[V8.x\]](#)**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	vRealize Automation 8.x
http://kb.vmware.com	vRealize Automation 8.x
https://blogs.vmware.com	vRealize Automation 8.x
https://docs.vmware.com	vRealize Automation 8.x
https://www.vmware.com/support/pubs/	vRealize Automation 8.x
https://www.vmware.com/techpapers.html	vRealize Automation 8.x
http://pubs.vmware.com	vRealize Automation 8.x
*Content in this exam is based on version 8.x. Review all 8.x release notes and material for features and function.	

Exam Content Contributors

Gregg Parsons
Kim Delgado
Mukesh M Idnani
Selvakumar Jaganathan
Christopher Lewis
Marshall Massengill
Bharah N
Trisha Navarro
Michael Poore
Shady Ali ElMalatawey
Michael Rudloff
Sajal Debnath
Scott Morris
Michael Patton
Murray Pedersen
Marwin Ma



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com
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