

Advanced Deploy VMware vRealize Automation 8.x (v2)

Exam Details (Last Updated: 03/13/2024)

The Advanced Deploy VMware vRealize Automation 8.x (v2) (3V0-31.22) exam, which leads to VMware Certified Advanced Professional - Cloud Management and Automation Deploy 2024 (VCAP-CMA 2024) certification is a 12-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 Learning Services – Certification website](#).

Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) achieving the VMware Certified Advanced Professional - Cloud Management and Automation Deploy 2024 certification has advanced-level administrative knowledge of the components of vRealize Suite, including—but not limited to—VMware vRealize Automation (vRA), vRealize Automation (vRA) SaltStack Config and VMware vRealize Orchestrator (vRO). The MQC possesses the knowledge to administer cloud environments using the vRealize Suite, enabling them to deploy VMware solutions to meet specific goals and requirements. It is also recommended, but not required, to have a professional-level knowledge of the VMware Software-Defined Data Center, including - but not limited to - VMware vCenter, VMware NSX and VMware vSAN. In terms of experience (or equivalent knowledge thereof), the MQC typically has 5+ years of general IT experience with a recommended minimum of 12-24 months experience working with the components of the vRealize Suite in a production environment. Finally, 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

Objective 7.20 – Create Pipelines

Objective 7.21 – Customize a deployment using Cloud-Config

Objective 7.22 – Managing Workloads with vRealize Automation SaltStack Config

7.22.1 Installing the Salt Minion (manually or via VMware Cloud Template)

7.22.2 Applying Saltstack State file to a managed workload

Objective 7.23 – Creating and using Secrets

Certification

VCAP-CMA Deploy 2024

Recommended Courses

VMware vRealize Automation: Advanced Features and Troubleshooting [V8.x] - Retired but still qualifies

VMware vRealize Automation: Troubleshooting [V8.6]

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
*Content in this exam is based on version 8.6. Review all 8.6 release notes and material for features and function.	

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