

Associate VMware Cloud Management and Automation

Exam Details

The Associate VMware Cloud Management and Automation Exam (1V0-31.21), which leads to VMware Certified Technical Associate - Cloud Management and Automation 2024 (VCTA-CMA 2024) certification is a 58-item exam, with a passing score of 300 using a scaled method. Exam time is 105 minutes.

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) has 3-6 months hands-on experience managing and monitoring private/public clouds leveraging VMware cloud management components. The MQC possesses awareness of storage, networking and security services, and working knowledge of vSphere and guest operating systems. The MQC has basic understanding of software architecture (YAML, JSON, REST, SOAP) and VMware Cloud services (benefits/features). The Minimally Qualified Candidate also has understanding of cloud management extensibility, industry standard DevOps processes, and private, public and hybrid cloud concepts. The MQC also has awareness of Kubernetes concepts.

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 Task

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 the Exam

Section 1 - Architecture and Technologies

Objective 1.1: Identify the components of a VMware cloud management solution.

Objective 1.2: Identify the functionality of the components of a vRealize Automation and vRealize Automation Cloud architecture.

Objective 1.3: Identify the functionality of the components of a vRealize Operations and vRealize Operations Cloud architecture.

Objective 1.4: Identify the lifecycle management of the vRealize Automation, vRealize Operations, vRealize Log Insight, vRealize Network Insight through vRealize Suite Lifecycle Manager (vRSLCM)

Objective 1.5: Identify the components of the VMware Cloud Services (vRealize Automation Cloud, vRealize Operations Cloud, vRealize Log Insight Cloud, CloudHealth Platform, Cloud Health Secure State)

Objective 1.6: Differentiate between VMware Cloud Management when deployed/consumed via SaaS or on-premises.

Section 2 - VMware Products and Solutions

Objective 2.1: Identify the role of VMware vRealize Automation Services in a Cloud Management solution

Objective 2.2: Identify the role of Cloud Assembly

Objective 2.3: Identify the role of Service Broker

Objective 2.4: Identify the role of Code Stream

Objective 2.5: Identify the role of vRealize Orchestrator

Objective 2.6: Identify the role of SaltStack Config

Objective 2.7: Identify the role of the Migration Assistant

Objective 2.8: Identify the role of vRealize Suite Lifecycle Manager in the Cloud Management solution

Objective 2.9: Identify the role of Workspace ONE Access in the Cloud Management solution

Objective 2.10: Identify the role of vRealize Log Insight in the Cloud Management solution

Objective 2.11: Identify the role of vRealize Operations Manager in the Cloud Management solution

Objective 2.12: Identify the role of CloudHealth in the Cloud Management solution

Objective 2.13: Identify the role CloudHealth Secure State

Objective 2.14: Identify the role of vRealize Network Insight in the Cloud Management solution

Section 3 - Planning and Designing – There are no testable objectives for this section

Section 4 - Installing, Configuring, and Setup – There are no testable objectives for this section

Section 5 - Performance-tuning, Optimization, Upgrades – There are no testable objectives for this section

Section 6 - Troubleshooting and Repairing

Objective 6.1: Identify the Tools and Processes available for troubleshooting cloud management components.

Objective 6.2: Understand the Getting Started dashboard page with vRealize Operations.

Objective 6.3: Identify use case for troubleshooting Workbench in vRealize Operations.

Objective 6.4: Monitor vRealize Operations dashboards.

Objective 6.5: Monitor Log Insight dashboards.

Objective 6.6: Monitor cloud management components using the SDDC Health Monitoring Solution

Section 7 - Administrative and Operational Tasks

Objective 7.1: Perform basic operational tasks within graphical user interface

Objective 7.2: Add data sources

Objective 7.3: Create a simple environment using vRSLCM

Objective 7.4: Check the health of the cloud management solution

Objective 7.5: Create simple search queries

Certification Requirements

VCTA-CMA 2024

Recommended Courses

VMware Cloud Management and Automation: Core Technical Skills - Please note a Premium Subscription is required to register for this course. To register please select the level of Subscription linked to your account here below:

[VMware Connect Learning Premium Subscription](#)

[Enterprise Learning Subscription](#)

References

<https://docs.vmware.com/en/Management-Packs-for-vRealize-Operations-Manager/index.html>

<https://docs.vmware.com/en/vRealize-Log-Insight/index.html>

<https://docs.vmware.com/en/VMware-vRealize-Suite-Lifecycle-Manager/index.html>

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