

VMware Aria Automation 8.10 Professional

Exam Details (Last Updated: 5/12/2023)

The VMware Aria Automation 8.10 Professional (2V0-31.23) exam, which leads to VMware Certified Professional - Cloud Management and Automation 2023 (VCP-CMA 2023) certification, is a 64-item exam with a passing score of 300 using a scaled method. Candidates are given an appointment time of 130 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 – Certification website](#).

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has 6-12 months hands-on experience installing and configuring VMware Aria Automation. The candidate is typically an administrator who can perform both a standard and clustered deployment model. The candidate is also comfortable managing Aria Automation using the VMware Aria Suite Lifecycle Manager. In addition, the MQC is also capable of configuring the required connectivity to VMware Aria Automation (SaaS) for either Private or Public cloud endpoints. The candidate is capable of managing, maintaining, and troubleshooting a VMware Aria Automation 8.10 and SaaS solution. The candidate possesses an understanding of basic cloud concepts including public/private/hybrid clouds, multi-tenancy, storage, networking, and security. The candidate has working knowledge of each of the individual VMware Aria Automation services including VMware Aria Automation Assembler, VMware Aria Automation Consumption, VMware Aria Automation Pipelines, VMware Aria Automation Config, and VMware Aria Automation Orchestrator. The candidate also has working knowledge of extensibility, identity and access management and basic knowledge of Kubernetes clusters and zones as it relates to VMware Aria Automation.

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 – Architecture and Technologies

Objective 1.1 – Describe the architecture of VMware Aria Automation

Objective 1.2 – Describe the architectural differences between VMware Aria Automation and VMware Aria Automation SaaS

Objective 1.3 – Describe the services offered by VMware Aria Automation

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 – Based on a Scenario, identify the different types of VMware Aria Automation deployments (standard vs. clustered)

Objective 4.2 – Prepare the pre-requisites for the installation (DNS, NTP, Service Accounts etc.)

Objective 4.3 – Perform a simple installation using VMware Aria Easy Installer

Objective 4.4 – Configure VMware Aria Automation using Quick Start

Objective 4.5 – Perform manual installation using VMware Aria Suite Lifecycle (Workspace ONE Access, VMware Aria Automation, VMware Cloud Proxy, VMware Cloud Extensibility Proxy and Environment Scale Out)

Objective 4.6 – Configure identity sources (add a directory)

Objective 4.7 – Configure identity and access management (RBAC)

Objective 4.8 – Set up Cloud Accounts (including NSX Constructs)

Objective 4.9 – Add Cloud Zones

Objective 4.10 – Add Projects

Objective 4.11 – Add Image Mappings

Objective 4.12 – Add Flavor Mappings

Objective 4.13 – Add Network Profiles

Objective 4.14 – Add Storage Profiles

Objective 4.15 – Describe different types of native integrations available with VMware Aria Automation

Objective 4.16 – Integrate VMware Aria Automation with VMware Aria Operations (Native Integration and Dashboards)

Objective 4.17 – Describe the process for onboarding existing workloads into VMware Aria Automation

Objective 4.18 – Describe the use case for Action Based Extensibility (ABX)

Objective 4.19 – Describe different types of tags in VMware Aria Automation

Objective 4.20 – Configure Capability Tags

Objective 4.21 – Identify the process of installing VMware Aria Automation Config using VMware Aria Suite Lifecycle

Objective 4.22 – Identify the process for running a state file on a minion (create cloud template to deploy minions)

Objective 4.23 – Pre-requisites for Configuring multi tenancy and VPZ

Objective 4.24 – Configure endpoints within VMware Aria Automation Pipelines

Objective 4.25 – Identify the key components of a pipeline within VMware Aria Automation Pipelines

Objective 4.26 – Configure Custom Naming Templates in VMware Aria Automation Assembler

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

Section 6 – Troubleshooting and Repairing

Objective 6.1 – Collect log bundles

Objective 6.2 – Describe "vracli" commandlet options

Objective 6.3 – Describe "kubectl" (VMware Aria Automation Appliance) commandlet options

Objective 6.4 – Troubleshoot VMware Aria Automation configuration errors (Cloud Zone, tags, YAML, etc.)

Objective 6.5 – Troubleshoot provisioning errors within VMware Aria Automation deployments

Objective 6.6 – Monitor VMware Aria Automation deployments (provisioning diagram)

Objective 6.7 – Monitor workflow execution within VMware Aria Automation Orchestrator (extensibility and event logs)

Objective 6.8 – Troubleshoot issues with VMware Cloud Proxy and VMware Cloud Extensibility Proxy when connecting to VMware Aria Automation SaaS

Section 7 – Administrative and Operational Tasks

Objective 7.1 – Manage the Identity and Access Management in VMware Aria Automation

Objective 7.2 – Manage Cloud Accounts

Objective 7.3 – Manage Cloud Zones

Objective 7.4 – Manage Projects

Objective 7.5 – Manage Image Mappings

Objective 7.6 – Manage Flavor Mappings

Objective 7.7 – Manage Capability and Constraint Tags

Objective 7.8 – Manage Storage Profiles

Objective 7.9 – Manage Network Profiles

Objective 7.10 – Create and Manage VMware Aria Automation Templates (Inputs, YAML file and its syntax, NSX-T On-Demand Network Contracts)

Objective 7.11 – Create and manage VMware Aria Automation Cloud Template versioning

Objective 7.12 – Manage Extensibility/Subscription (ABX/VMware Aria Automation Orchestrator)

Objective 7.13 – Deploy Catalog items

- Objective 7.14 – Manage deployments in VMware Aria Automation
- Objective 7.15 – Describe Kubernetes clusters (Kubernetes zone)
- Objective 7.16 – Customize a deployment using CloudConfig/Cloud-Init
- Objective 7.17 – Create Service Broker Content Sources
- Objective 7.18 – Configure Content Sharing
- Objective 7.19 – Create and Manage Custom Forms
- Objective 7.20 – Manage Policies (definition and enforcement)
- Objective 7.21 – Manage notifications (email servers)
- Objective 7.22 – Identify the use case for Pricing Cards within VMware Aria Automation
- Objective 7.23 – Manage a VMware Aria Automation deployment with VMware Aria Lifecycle (patch, upgrade, scale) including VMware Cloud Proxy and VMware Cloud Extensibility Proxy
- Objective 7.24 – Manage the state of a workload using VMware Aria Automation Config

Recommended Courses

[VMware Aria Automation: Install, Configure, Manage \[V8.10\]](#)

Certification Requirements

[VCP-CMA 2023](#)

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	VMware Aria Automation 8.10
http://kb.vmware.com	VMware Aria Automation 8.10
https://blogs.vmware.com	VMware Aria Automation 8.10
https://docs.vmware.com	VMware Aria Automation 8.10
https://www.vmware.com/support/pubs/	VMware Aria Automation 8.10
https://www.vmware.com/techpapers.html	VMware Aria Automation 8.10
*Content in this exam is based on version 8.10. Review all 8.10 release notes and material for features and function.	

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