

# VMware Aria Automation 8.10 Professional

## Exam Details (Last Updated: 3/13/2024)

The VMware Aria Automation 8.10 Professional (2V0-31.23) exam, which leads to VMware Certified Professional - Cloud Management and Automation 2024 (VCP-CMA 2024) 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 "kubectli" (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 2024](#)

### 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
<a href="http://www.vmware.com">http://www.vmware.com</a>	VMware Aria Automation 8.10
<a href="http://kb.vmware.com">http://kb.vmware.com</a>	VMware Aria Automation 8.10
<a href="https://blogs.vmware.com">https://blogs.vmware.com</a>	VMware Aria Automation 8.10
<a href="https://docs.vmware.com">https://docs.vmware.com</a>	VMware Aria Automation 8.10
<a href="https://www.vmware.com/support/pubs/">https://www.vmware.com/support/pubs/</a>	VMware Aria Automation 8.10
<a href="https://www.vmware.com/techpapers.html">https://www.vmware.com/techpapers.html</a>	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.	

## Exam Contributors

Christopher Lewis  
Kevin Brady  
Pawel Piotrowski  
Yogita Patil  
Pramod Rane  
Abhilash Basavarajaiah  
Simon Eady  
Anola Miranda  
Candice Estrada  
Yumna Shehata  
Thomas Kopton



**VMware, Inc.** 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 [www.vmware.com](http://www.vmware.com) © 2024 VMware, Inc. All rights reserved. The product or workshop materials is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at <http://www.vmware.com/download/patents.html>. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies. VMware warrants that it will perform these workshop services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY VMWARE, OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM. VMWARE WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO CUSTOMER. All materials provided in this workshop are copyrighted by VMware ("Workshop Materials"). VMware grants the customer of this workshop a license to use and make reasonable copies of any Workshop Materials strictly for the purpose of facilitating such company's internal understanding, utilization and operation of its licensed VMware product(s). Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights, or any other license granted under the terms of this workshop. If you are located in the United States, the VMware contracting entity for the service will be VMware, Inc., and if outside of the United States, the VMware contracting entity will be VMware International Limited.