



Free Questions for 2V0-31.24

Shared by Long on 09-08-2024

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# Question 1

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Question Type: MultipleChoice

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Which VMware Aria Automation role is required to create a content source and thereby import VMware Aria Automation templates into the catalog?

Options:

- A- VMware Aria Automation Assembler User
- B- VMware Aria Automation Assembler Administrator
- C- VMware Aria Automation Consumption Administrator
- D- VMware Aria Automation Consumption User

Answer:

B

Explanation:

The role required to create a content source and thereby import VMware Aria Automation templates into the catalog is the VMware Aria Automation Assembler Administrator. This role has the necessary permissions to manage content sources, including creating and configuring them to import templates. This role is responsible for setting up and maintaining the templates and blueprints used for provisioning resources within VMware Aria Automation, ensuring they are available in the catalog for users to deploy.

Reference

VMware Aria Automation Roles and Permissions

# Question 2

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Question Type: MultipleChoice

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What is the purpose of a project in VMware Aria Automation?

Options:

- A- Create tenants

- B- Organize image mappings
- C- Add cloud accounts
- D- Map compute resources to users and groups

Answer:

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D

Explanation:

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In VMware Aria Automation, a project serves as a fundamental organizational unit that maps compute resources to users and groups. Projects allow administrators to define which cloud zones users can deploy workloads to, and they manage the membership and permissions of users within the project. This organizational structure helps ensure that resources are allocated and managed according to the needs and policies of different business units or teams.

A project can specify several configurations, including the maximum number of instances, memory limits, CPU limits, and storage limits that the project can use. Additionally, projects help enforce governance by applying constraints and custom properties that dictate deployment behaviors and resource usage.

[Projects Design for VMware Aria Automation](#)

## Question 3

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Question Type: MultipleChoice

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What is the purpose of a cloud zone?

Options:

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- A- A cloud zone is used for organizing users and groups.
- B- A cloud zone is used to segregate resources for provisioning within a cloud account.
- C- A cloud zone is a simplified user interface for users who do not need full access to developing and building VMware Aria Automation templates.
- D- A cloud zone is a method of connecting to a type of resource provider.

Answer:

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B

## Explanation:

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A cloud zone in VMware Aria Automation is used to segregate resources for provisioning within a cloud account. It acts as a logical partition within a cloud account that organizes compute resources, which are used for deploying workloads. Cloud zones allow administrators to control the distribution of resources and ensure that specific projects or business units can deploy their workloads only within the designated zones.

This segregation helps in managing resource allocation more efficiently and can also support various organizational policies and compliance requirements by isolating environments such as development, testing, and production.

[Using cloud zones in VMware Aria Automation](#)



## Question 4

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**Question Type:** MultipleChoice

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Within a VMware Aria Automation solution, which three containers make up the VMware Aria Automation Orchestrator Service? (Choose three.)

## Options:

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- A- vro-server-app
- B- vco-polyglot-runner
- C- vco-inventory-runner
- D- vro-controlcenter-app
- E- vco-server-app
- F- vco-controlcenter-app



## Answer:

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A, B, F

## Explanation:

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Within a VMware Aria Automation solution, the VMware Aria Automation Orchestrator Service is composed of several containers. The key containers that make up the Orchestrator service are:

vro-server-app: This container handles the core Orchestrator server functions.

vco-polyglot-runner: This container is responsible for running the workflows and scripts that are

defined in multiple programming languages.

vco-controlcenter-app: This container manages the Orchestrator Control Center, which is used for administrative and configuration tasks.

These containers work together to ensure that the Orchestrator service operates smoothly and efficiently.

Reference

VMware Aria Automation Orchestrator Service

## Question 5

Question Type: MultipleChoice

An administrator configures the following with VMware Aria Automation:

- \* A constraint tag (location :london) on the production project.
- \* A capability tag (location:london.) on the storage policy.
- \* A capability tag (location:london.) on the network.

A Project Member then applies a constraint tag (location:boston) to a compute resource within a template in the production project.

Which tag will take precedence when the template is provisioned?

Options:

- A- Template
- B- Project
- C- Network
- D- Storage

Answer:

B

Explanation:

When there is a conflict between constraint tags at different levels, the project-level constraint tags take precedence over the template-level constraint tags. This ensures that governance and

compliance requirements set at the project level are always enforced, overriding the constraints set at the template level.

Thus, when the template is provisioned, the location:london tag from the project will take precedence over the location:boston tag from the template.

[Using Automation Assembler project tags and custom properties](#)

[Using constraint tags in Automation Assembler](#)

## Question 6

Question Type: MultipleChoice

An administrator creates a new project in VMware Aria Automation mapping compute resources to a specific group of users.

Which object is used to assign compute resources with a project?

Options:

- A- vCenter Server
- B- Cloud Zone
- C- Cloud Account
- D- vSphere Cluster

Answer:

B

Explanation:

In VMware Aria Automation, a Cloud Zone is used to assign compute resources to a project. A Cloud Zone is a logical construct that maps to a specific set of compute resources within a Cloud Account, such as a vCenter Server or AWS region. When creating a new project, administrators map these Cloud Zones to the project, thereby defining which resources are available for provisioning within that project. This allows for granular control over resource allocation and ensures that the resources are used by the designated group of users within the project.

Reference

VMware Aria Automation Projects and Cloud Zones

## Question 7

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Question Type: MultipleChoice

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What is the purpose of Kubernetes Zones in VMware Aria Automation?

### Options:

- A- Allows an administrator to define policy-based placement of Kubernetes clusters, namespaces and supervisor namespaces.
- B- Allows an administrator to define Kubernetes clusters in VMware Aria Automation Assembler deployments.
- C- Allows administrators to support multi-tenancy for Kubernetes clusters and namespaces.
- D- Allows an administrator to define supervisor namespaces used in VMware vSphere.

### Answer:

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A

### Explanation:

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In VMware Aria Automation, Kubernetes Zones allow administrators to define policy-based placement of Kubernetes clusters, namespaces, and supervisor namespaces. This feature helps ensure that Kubernetes resources are deployed in accordance with organizational policies and governance requirements, facilitating efficient and compliant resource management within the cloud infrastructure.

[VMware Aria Automation Documentation](#)

[Using capability tags in Automation Assembler](#)

## Question 8

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Question Type: MultipleChoice

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How does an administrator create a VMware Aria Automation default custom name template for deployments that do not have project-level templates?

Options:

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- A- The administrator must create a new custom name template and select Projects as the scope.
- B- The administrator must assign all projects to one custom name template.
- C- The administrator must create a new custom name template and select Organization as the scope.
- D- The administrator must create a new custom name template and give it the name 'DEFAULT'.

Answer:

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C

Explanation:

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To create a default custom name template for deployments that do not have project-level templates, the administrator should create a new custom name template and select 'Organization' as the scope. This ensures that the custom naming convention is applied globally across the organization whenever a project-level template is not specified.

[Getting Started with VMware Aria Automation](#)

## Question 9

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Question Type: MultipleChoice

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Which vracli command should be run to check VMware Aria Automation cluster information?

Options:

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- A- vracli cluster
- B- vracli status
- C- vracli vidm
- D- vracli db

Answer:

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A

Explanation:

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The vracli command-line utility is used for various administrative tasks in VMware Aria Automation. To check the cluster information, the specific command is vracli cluster. This command provides detailed information about the cluster status, including the health and configuration of the nodes within the cluster. This is crucial for monitoring and managing the health and performance of the VMware Aria Automation environment.

## Question 10

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Question Type: MultipleChoice

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An administrator has been tasked with configuring a new image mapping for Linux deployments within VMware Aria Automation to meet the following requirements:

- \* The number of Virtual Machine templates must be minimized.
- \* Additional configuration (local users and groups) must always be applied irrespective of the cloud template used.

Which four steps should the administrator take to meet the requirement? (Choose four.)

### Options:

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- A- Apply the user and group configurations to the Linux OS and convert the virtual machine to a template.
- B- Select the newly modified VMware vCenter Virtual Machine template as the base image.
- C- Save the image mapping.
- D- Within vCenter, deploy a new Linux OS Virtual Machine based using the existing template.
- E- Create a new Image Mapping within VMware Aria Automation Assembler. H Select the original Linux OS Virtual Machine template as the base image.
- F- Add the required configuration into the cloud configuration.

### Answer:

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B, C, E, F

### Explanation:

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Create a new Image Mapping within VMware Aria Automation Assembler: This step involves creating an image mapping that references the base image. It ensures that your deployment configurations are applied to the correct base image.

Select the original Linux OS Virtual Machine template as the base image: Instead of creating a

new template, use the existing Linux OS template, minimizing the number of templates required.

Add the required configuration into the cloud configuration: This step ensures that additional configurations, such as creating local users and groups, are applied during the deployment process irrespective of the cloud template.

Save the image mapping: Finalize and save the image mapping to make it available for use in deployments.

These steps minimize the number of VM templates by reusing the existing template and ensure that additional configurations are always applied through the cloud configuration.

[Getting Started with VMware Aria Automation](#)

VMware Aria Automation 8.10 Reference Architecture Guide

## Question 11

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Question Type: MultipleChoice

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An administrator is debugging a multi-machine VMware Aria Automation template deployment and the following

error occurs:

"Customization operation failed. Customization specification with name [vCenter\_Windows] was not found."

Where can the administrator identify the phase of the provisioning lifecycle and the machine for which this error occurred?

Options:

- A- Deployments > History
- B- Deployments > Topology
- C- VMware Aria Automation Consumption > Deployments
- D- VMware Aria Automation Assembler > Design

Answer:

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B

## Explanation:

When an error such as 'Customization operation failed. Customization specification with name [vCenter\_Windows] was not found' occurs during a multi-machine VMware Aria Automation template deployment, the administrator can identify the phase of the provisioning lifecycle and the specific machine for which the error occurred by navigating to the Deployments > Topology section. The Topology view provides a detailed visualization of the deployment process, including the stages each machine goes through, allowing the administrator to pinpoint exactly where the error happened within the deployment workflow.

[VMware Aria Automation stages in VMware Aria Suite Lifecycle workflow](#)

[VMware Aria Automation Documentation](#)



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