

VMware

Exam Questions 2V0-31.21

Professional VMware vRealize Automation 8.3



NEW QUESTION 1

An administrator wants to use constraint tags to deploy cloud templates to a particular storage with a capability tag assigned; however, not all projects have access to this storage.

Which two tag formats can be defined at the cloud template level in order to ensure that cloud templates are deployed on this particular storage, whenever possible, and fail if not available? (Choose two.)

- A. value:key
- B. key:value:soft
- C. !key:value
- D. key:value:hard
- E. key:value

Answer: CD

NEW QUESTION 2

On which platform is CloudBase-Init used to execute user-provided scripts? (Choose the best answer.)

- A. Linux
- B. MacOS
- C. Kubernetes
- D. Windows

Answer: D

NEW QUESTION 3

Which vRealize Automation service is available through an external appliance in vRealize Automation Cloud? (Choose the best answer.)

- A. Cloud Assembly
- B. Service Broker
- C. vRealize Orchestrator
- D. Code Stream

Answer: C

Explanation:

Reference: <https://blogs.vmware.com/management/2019/10/vrealize-automation-new-install-and-configuration.html>

vRealize Automation 8 (vRA) brings an entirely new cloud management and automation experience to your on premises datacenter. While the capabilities are new for on prem, the same codebase and features have been available with our SaaS offering, vRealize Automation Cloud, since January 2019. We frequently talk about the new micro-services architecture, cloud agnostic deployment capabilities and infrastructure as Code option with YAML. One area we haven't written much about is the new simple and rapid install process. For this blog post, I'll cover what is running under the hood as well as what the install and configuration process looks like.

Whether your vRA 8 install is greenfield or a migration from vRA 7.x, the minimum install of vRA 8 is a single appliance. A separate Windows VM is no longer required. vRA 8 includes Cloud Assembly, Service Broker, Code Stream, and vRealize Orchestrator. vRealize Suite Lifecycle Manager (LCM) and VMware Identity Manager (vIDM aka Workspace One Access) are also required to handle install, configuration, post install management and authentication. When you go to download vRA 8 from My VMware, you'll only be given the option to download and install using the LCM Easy Installer. You can also use existing LCM and vIDM configurations for vRA 8 as well.

NEW QUESTION 4

For which two components can an administrator add a machine template using image mappings? (Choose two.)

- A. Microsoft Azure
- B. VMware Enterprise PKS
- C. vRealize Operations
- D. NSX-T Data Center
- E. vCenter Server

Answer: AE

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/Using-and-Managing-Cloud-Assembly/GUID-9CBAA91A-FAAD-4409-AFFC-ACC1810E4FA5.html>

Learn more about image mappings in vRealize Automation

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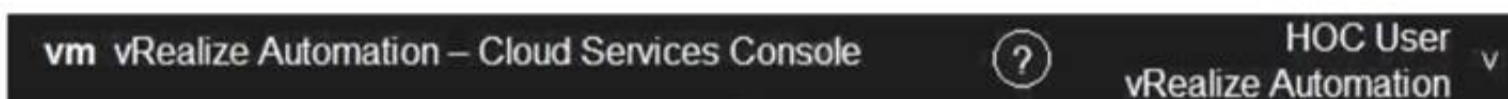
Selected product version: vRealize Automation 8.4 ▾

An image mapping groups a set of predefined target operating system specifications for a specific cloud account/region in vRealize Automation by using natural language naming.

Cloud vendor accounts such as Microsoft Azure and Amazon Web Services use images to group a set of target deployment conditions together, including OS and related configuration settings. vCenter and NSX-based environments, including VMware Cloud on AWS, use a similar grouping mechanism to define a set of OS deployment conditions. When you build and eventually deploy and iterate a cloud template, you pick an available image that best fits your needs.

NEW QUESTION 5

Refer to the exhibit.



My Services

A new vRealize Automation user is logging in for the first time. Upon login, the user is presented with the attached screenshot. Which step must the Organization Administrator take to resolve the issue? (Choose the best answer.)

- A. Assign the user a Content Developer role
- B. Assign the user the Directory Administrator role
- C. Assign the user the Organization Member role
- D. Assign the user a Service role

Answer: D

Explanation:

Reference: <https://kb.vmware.com/s/article/1023189>

NEW QUESTION 6

Which command should an administrator run to ensure data integrity before a snapshot or backup of a vRealize Automation appliance? (Choose the best answer.)

- A. /opt/scripts/deploy.sh —onlyClean
- B. /opt/scripts/svc-stop.sh
- C. vracli status deploy
- D. kubectl logs -n prelude <pod-name>

Answer: B

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.2/administering-vrealize-automation.pdf>

NEW QUESTION 7

When deploying SaltStack Config minions as part of a machine deployment in vRealize Automation, which parameter must be specified in the cloudConfig section of the cloud template? (Choose the best answer.)

- A. Salt master account with the Administrator or Superuser role
- B. Salt minion installation directory
- C. Salt minion operating system family
- D. Salt master address

Answer: D


Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.3/Using-and-Managing-Cloud-Assembly/GUID-601FCFAE-DB21-4A05-AFCF-F304D6216C8C.html>

How to work with SaltStack Config minions in vRealize Automation



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As a cloud template developer with access to a configured SaltStack Config integration in vRealize Automation, you can install and deploy Salt minions to a target Salt master from a cloud template.

Minions are nodes that run the salt-minion service. The service listens to commands from a Salt master and performs the requested tasks. You can deploy minions from vRealize Automation cloud templates.

NEW QUESTION 8

An administrator is tasked with using an existing set of cloud templates and images that are available online through the Marketplace tab in vRealize Automation. Which integration does the administrator have to configure first to enable this functionality? (Choose the best answer.)

- A. vRealize Orchestrator
- B. Ansible
- C. My VMware
- D. GitLab

Answer: C

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Cloud-Assembly/GUID-7D30EA8A-3CF7-4FB5-ADDC-59F46D3E0136.html>

NEW QUESTION 9

An IT Director wants to integrate existing Amazon Web Services CloudFormation templates into a new vRealize Automation deployment. How can the administrator achieve this? (Choose the best answer.)

- A. Deploy a Cloud Proxy into the appropriate region of the pre-configured Amazon Web Services cloud account.
- B. Add content sources in Service Broker from the pre-configured Amazon Web Services cloud account.
- C. Create and configure a custom integration into Cloud Assembly.
- D. Leverage Action Based Extensibility (ABX) to extend functionality, programmatically.

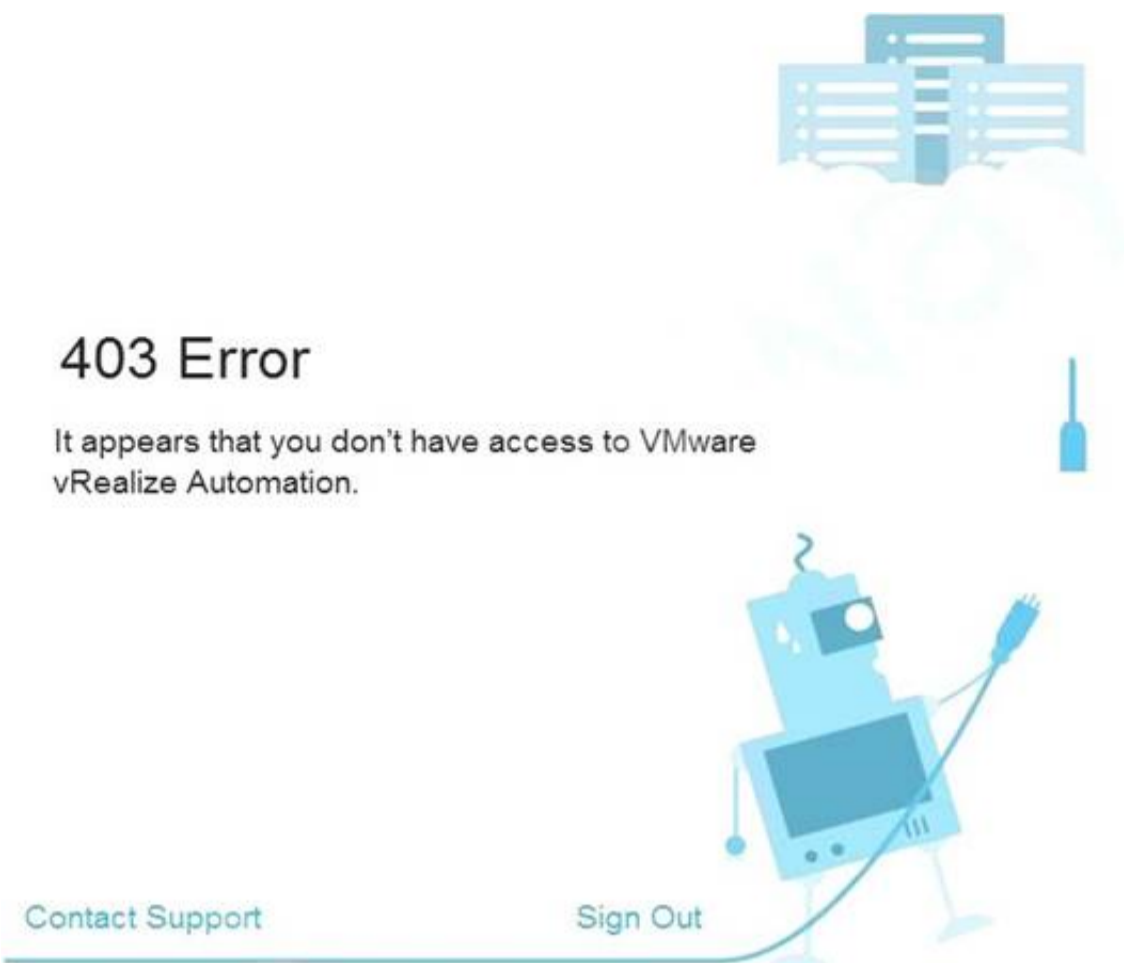
Answer: B

Explanation:

Reference: <https://blogs.vmware.com/management/2019/10/cloudformation-vra-cloud.html>

NEW QUESTION 10

Refer to the exhibit.



An administrator successfully deploys vRealize Automation (vRA) and configures a new directory in vRealize Suite Lifecycle Manager for the App-Dev team. The App-Dev team needs to request catalog items and manage the subsequent deployments. The company security policy requires that users be granted the least privileges necessary to fulfill their role.

The administrator is assigned a ticket to address the issue that when the App-Dev members log into vRA, they receive the error shown in the exhibit. Based on initial investigation, all of the users experiencing the issue are members of the same Active Directory Group: App-Dev-Users. Upon review from within vRA Identity & Access Management, all of the users reporting the issue appear under the Active Users tab. Which two actions should the administrator take within Identity & Access Management to resolve the reported issue while adhering to the security policy? (Choose two.)

- A. Under Enterprise Groups, assign the Service Broker User service role to the App-Dev-Users group.
- B. Under Active Users, assign the Service Broker Administrator service role to each of the impacted users.
- C. Under Enterprise Groups, assign the Service Broker Administrator service role to the App-Dev-Users group.
- D. Under Enterprise Groups, assign the Organization Member role to the App-Dev-Users group.
- E. Under Active Users, assign the Organization Owner role to each of the impacted users.

Answer: AE

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-5A4C11E3-C7E6-4FBB-BFB3-F85C2FA28D6D.html>

What are the vRealize Automation Cloud user roles



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vRealize Automation Cloud has several levels of user roles. These different level control access to the organization, the services, the projects that produce or consume the cloud templates, catalog items, and pipelines, and the ability for users to use or see individual parts of the user interface. These different levels give cloud administrators different tools to apply any level of granularity that is required by their operational needs.

General role descriptions

The user roles are defined at different levels. The service level roles are defined for each service.

NEW QUESTION 11

An administrator is addressing a requirement to ensure that vRealize Automation evenly spreads the provisioned machines across hosts for a given region. Where will the administrator configure this policy? (Choose the best answer.)

- A. Compute
- B. Cloud Zones
- C. Storage
- D. Volumes

Answer: B

Explanation:

Reference: <https://vmvtips.com/2020/11/13/vra-8-1-cloud-assembly-part-2/>

CONFIGURING CLOUD ASSEMBLY

1. Login into vRealize Automation Portal with Cloud Assembly Administrator access. Under **My Services**, click on **Cloud Assembly**.



NEW QUESTION 12

What is the purpose of a cloud zone? (Choose the best answer.)

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

Answer: A

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Cloud-Assembly/GUID-87FF38A3-CEAD-4B15-BC85-07568EA4CF1C.html>

How to add cloud zones that define vRealize Automation Cloud Assembly target placement regions or data centers



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Selected product version: **vRealize Automation 8.1** ▾

A vRealize Automation Cloud Assembly cloud zone is a set of resources within a cloud account type such as AWS or vSphere.

Cloud zones in a specific account region are where your blueprints deploy workloads. Each cloud zone is associated with a vRealize Automation Cloud Assembly project.

NEW QUESTION 13

What is the main difference between vRealize Orchestrator non-persistent logs and persistent logs? (Choose the best answer.)

- A. Time Synchronization of logs
- B. Storing of events in the database
- C. Log Insight forwarding configuration
- D. Logging level configuration

Answer: B

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Orchestrator/8.1/com.vmware.vrealize.orchestrator-install-config.doc/GUID-4E29EBE7-181D-4B17-982E-7599F9164F1B.html>

Creating Persistent and Non-Persistent Logs

Log Level	Persistent Type	Non-Persistent Type
DEBUG	<code>Server.debug("short text", "long text");</code>	<code>System.debug("text");</code>
INFO	<code>Server.log("short text", "long text");</code>	<code>System.log("text");</code>
WARN	<code>Server.warn("short text", "long text");</code>	<code>System.warn("text");</code>
ERROR	<code>Server.error("short text", "long text");</code>	<code>System.error("text");</code>

NEW QUESTION 14

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