

VMware.2V0-31.21.by.Smith.59q

Number: 2V0-31.21
Passing Score: 800
Time Limit: 120
File Version: 7.0

Exam Code: 2V0-31.21
Exam Name: Professional VMware vRealize Automation 8.3



Exam A

QUESTION 1

An administrator installs vRealize Automation using the vRealize Easy Installer.

What is the correct URL to log in to the vRealize Automation user interface? (Choose the best answer.)

- A. https://vRA_FQDN/org/
- B. <https://console.cloud.vmware.com/>
- C. https://vRA_FQDN/
- D. http://vRA_FQDN/

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.6/com.vmware.vra.prepare.use.doc/GUID-9F5F20CE-F178-44B1-ADFC-161D129EE0ED.html>

Purpose	Access	Required Credentials
<p>You use the vRealize Automation console for these system administrator tasks:</p> <ul style="list-style-type: none">• Add tenants.• Customize the vRealize Automation user interface.• Configure email servers.• View event logs.• Configure vRealize Orchestrator.	<ol style="list-style-type: none">1. Start a browser and open the vRealize Automation appliance splash page using the fully qualified domain name of the virtual appliance. https://vrealize-automation-appliance-FQDN/2. Click vRealize Automation console. You can also use this URL to open the vRealize Automation console: https://vrealize-automation-appliance-FQDN/vcac3. Log in.	<p>You must be a user with the system administrator role.</p>

Vdumps

QUESTION 2

Refer to the exhibit.

New Cloud Account

vCenter Server Credentials

vCenter IP address/FQDN * ⓘ

Username *

Password *

ⓘ Unable to validate the provided access credentials
Failed to validate credentials. Error: Invalid hostname
https://sa-vcsa-01 vclass.local Endpoint: null Task
/provisioning/endpoint-
tasks/9c230d2dd98066755a4c835f7d6a0

Name *

Description

Capabilities

Capability tags ⓘ

An administrator receives the error in the attached screenshot when attempting to add a cloud account. What is a possible cause of this error? (Choose the best answer.)

- A. The username and password are incorrect.
- B. The hostname uses a URL instead of IP address/FQDN.
- C. There is an invalid certificate for the vCenter.
- D. A Cloud account exists with the same name.

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Operations-Manager/8.4/com.vmware.vcom.core.doc/GUID-315C57B6-A383-4DBA-A8D0-FEF6CC56F0B4.html>





QUESTION 3

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

Correct Answer: C, D

Section:

QUESTION 4

When creating a subscription in Cloud Assembly, what are the two types of runnable items available for executing code? (Choose two.)

- A. ABX Action
- B. Python
- C. PowerShell
- D. Node.js
- E. vRO Workflow

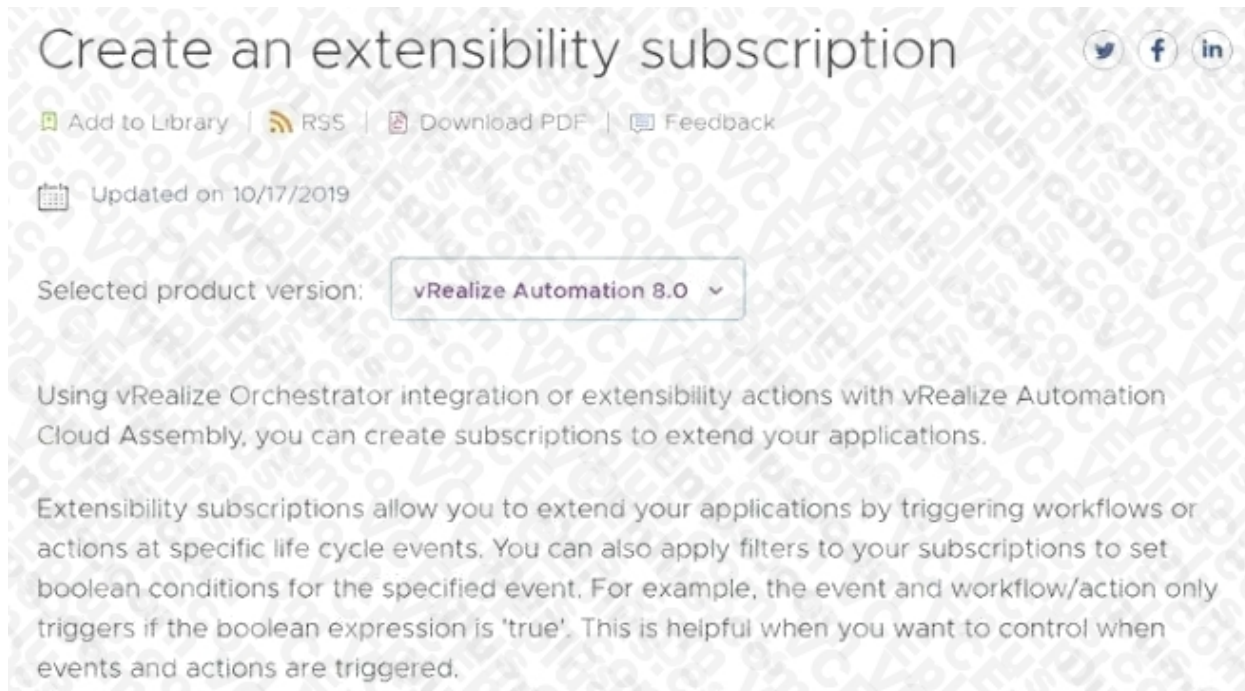
Correct Answer: A, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-CA30B6E8-0DFD-4679-84B2-06B4D3A1CBEF.html>





QUESTION 5

What are two prerequisites for a vRealize Automation standard deployment? (Choose two.)

- A. IPv4 addresses
- B. DHCP server
- C. IPv6 addresses
- D. Load Balancer
- E. DNS server

Correct Answer: A, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/installing-vrealize-automation-easy-installer/GUID-77B713C5-0CD5-40C6-ADA0-9FAE84766661.html>

QUESTION 6

An administrator is trying to create a new set of image mappings that will map to vSphere templates that have been added to an existing vCenter Server cloud account. When the administrator tries to select the Windows Server 2016 image, nothing appears on the list. The administrator has confirmed that the vSphere template exists in the correct location within vCenter Server. Which action should the administrator take to be able to create the new image mapping? (Choose the best answer.)

- A. Validate the vCenter Server cloud account credentials.
- B. Check to make sure image synchronization is successful for the vCenter Server cloud account.
- C. Make sure the correct NSX endpoint is selected for the vCenter Server cloud account.
- D. Add a new capability tag to the vCenter Server cloud account.

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Cloud-Assembly/GUID-9CBAA91AFAAD-4409-AFFC-ACC1810E4FA5.html>

QUESTION 7



An administrator is preparing to install vRealize Automation using the standard deployment option. For which three components must the administrator create a DNS record? (Choose three.)

- A. vRealize Automation Load Balancer
- B. vRealize Automation
- C. vCenter Server
- D. vRealize Suite Lifecycle Manager
- E. VMware Identity Manager
- F. VMware Identity Manager Load Balancer

Correct Answer: B, D, E

Section:

Explanation:

Reference: <https://vmvtips.com/2020/11/08/vra-8-1-deploy-guide/>

QUESTION 8

Which action is exclusively available for vSphere-based deployments?

- A. Create Snapshot
- B. Change Lease
- C. Connect to Remote Console
- D. Resize Boot Disk

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.6/Using-and-Managing-Service-Broker/GUID-51D6A51D-84E7-4F2C-9F27-45D9043ACCCB.html>

QUESTION 9

While collecting logs, logs were received from only two of three vRealize Automation nodes. How to find more information about the issue? (Choose the best answer.)

- A. Examine the output of vracli remote-syslog command from the third node
- B. Examine the output of vracli log-bundle command from the third node
- C. Examine the output of kubectl get logs command from the third node
- D. Examine the output of vracli log-bundle --include-legacy-pod-logs command from the third node

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.5/Administering/GUID-EB314825-845A-4F31-8155-53F99F0B7B3C.html>

QUESTION 10

In which two areas of vRealize Automation could an administrator view a flow chart of a failed deployment? (Choose two.)

- A. Infrastructure > Activity > Requests
- B. Extensibility > Events



- C. Extensibility > Library > Event Topics
- D. Infrastructure > Machines
- E. Deployments > History > Provisioning Diagram

Correct Answer: A, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.3/Using-and-Managing-Cloud-Assembly/GUID-970CA971-65B7-4747-BF35-A54C1C0B849B.html>

QUESTION 11

The administrator has installed SaltStack Config using the "edu" tenant from vRealize Suite Lifecycle Manager. How would the administrator access the SaltStack Config service?

- A. Log in to https://
- B. Log in to https://edu.
- C. Log in to https://salt.
- D. Log in to https://edu.

Correct Answer: B

Section:

QUESTION 12

When deploying the SaltStack Config service using vRealize Suite Lifecycle Manager, which construct is automatically created in Cloud Assembly to assist in deploying SaltStack Config minions using cloud templates?

- A. A custom resource
- B. A property group
- C. A custom role
- D. A secret

Correct Answer: B

Section:

Explanation:

Reference: <https://blogs.vmware.com/management/2021/02/vrealize-automation-8-3-and-saltstack-config-technicaloverview.html>

QUESTION 13

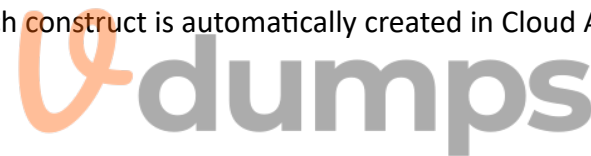
An administrator is tasked with creating a new vSphere and NSX cloud template for the App-Dev team. The administrator successfully configures multiple network profiles that will create different types of on demand networks. The App-Dev team wants the cloud template to create an on-demand network that can be connected externally.

Which two network types should the administrator consider using in the cloud template? (Choose two.)

- A. Existing
- B. Public
- C. Outbound
- D. Private
- E. Routed

Correct Answer: C, E

Section:



Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-68197096-1155-49C0-8043-D6DDE4EED28E.html>



QUESTION 14

An administrator configures cloud accounts for vSphere, Amazon Web Services and Google Cloud Platform. Each public cloud account has a single region configured, with a single cloud zone associated with each. Company policy states that all development workloads should be deployed to the public cloud and all production workloads should be deployed to vSphere.

The administrator wants to ensure that when creating cloud templates for this project an appropriate constraint tag is specified to meet the placement policy and that App-Dev users are allowed to select whether to deploy the machine to production or development. The tagging strategy states that development environments should be tagged with "dev" and production environments should be tagged "prod". Which two actions should the administrator take to ensure the objective is met? (Choose two.)

- A. Add a capability tag to each cloud account, using env:prod as the key/value pair.
- B. Add a capability tag to each public cloud zone, using env:dev as the key/value pair.
- C. Add a capability tag to each vSphere cloud zone, using env:dev as the key/value pair.
- D. Add a capability tag to each vSphere cloud zone, using env:prod as the key/value pair.
- E. Add a capability tag to each public cloud zone, using env:prod as the key/value pair.

Correct Answer: B, D

Section:

QUESTION 15

Which vracli command should be run to check vRealize Automation cluster information? (Choose the best answer.)

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

Correct Answer: B

Section:

Explanation:

Reference: <https://garyflynn.com/technology/vmware/vrealize-automation-8x-troubleshooting/>



QUESTION 16

Which two types of cloud accounts support IP address assignment in a network profile? (Choose two.)

- A. VMware Cloud on AWS
- B. vCenter
- C. Amazon Web Services
- D. Microsoft Azure
- E. Google Cloud Platform

Correct Answer: C, D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-68197096-1155-49C0-8043-D6DDE4EED28E.html>

QUESTION 17

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

Correct Answer: C

Section:

Explanation:

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

QUESTION 18

As part of a greenfield deployment, an administrator needs to set up an NSX-T Data Center cloud account. Which user role is required to create an NSX-T Data Center cloud account in vRealize Automation? (Choose the best answer.)

- A. Cloud Assembly Administrator
- B. Cloud Assembly User
- C. Orchestrator Administrator
- D. NSX-T Data Center Enterprise Administrator

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-DFD28DFE-C4C6-4A56-BC82-2FEAB6D64E20.html>

Tutorial: Setting up and testing vSphere infrastructure and deployments in Cloud Assembly

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Updated on 04/02/2021

If you are new to vRealize Automation Cloud or only need a refresher course, this tutorial guides you through the Cloud Assembly configuration process. You add cloud vSphere account endpoints, define the infrastructure, add users to projects, and then design and deploy a workload by using VMware Cloud Templates based on vSphere resource types, learning the process along the way.

Although this tutorial is just the beginning, you are on the path to delivering self-service automation and iterative development that works across multiple public and private clouds. This tutorial focuses on VMware vCenter Server and NSX-T. After you finish this workflow,

QUESTION 19

Assuming no additional inputs have been added to the cloud template and the custom form is not enabled, which two fields are always flagged as mandatory when requesting a catalog item? (Choose two.)

- A. Description
- B. Cloud zone
- C. Version
- D. Project
- E. Deployment name

Correct Answer: C, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Service-Broker/GUID-743604C9-5527-4EF9-87C6-EF6D3D5981E3.html>

How do I deploy a vRealize Automation Service Broker catalog item



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Updated on 05/31/2019

Selected product version:

vRealize Automation 8.0

As a vRealize Automation Service Broker consumer, you deploy a catalog item that was imported from vRealize Automation Cloud Assembly, Amazon CloudFormation, and other sources so that you can deploy it as part of your work processes.

The catalog items that are provided to you by your cloud administrator. The items that are available depend on your project membership. If you are member of one project, you can see only the catalog items for that project. If you are member of several projects, you can see the catalog items those projects.

QUESTION 20

An administrator wants to simplify the cloud configuration as much as possible. Recently the administrator was asked to simplify the cloud template creation and requesting process. The goal is to create a single cloud template that can be deployed to different cloud accounts available in the environment. Depending on the cloud, the appropriate template should be used. Which vRealize Automation construct can the administrator use to achieve this goal?

- A. Image Mappings
- B. Storage Profiles
- C. Flavor Mappings
- D. Customization Specifications

Correct Answer: D

Section:

QUESTION 21

Kubernetes zones enable administrators to define the policy-based placement of which items? (Choose the best answer.)

- A. Pods and deployments
- B. Ingress and load balancing
- C. Clusters and namespaces
- D. Service accounts and role-based access control (RBAC)

Correct Answer: C

Section:

Explanation:

Reference: <https://vra4u.com/2020/04/05/vra-8-how-to-integrate-with-pks-unleash-k8smagic/#:~:text=Kubernetes%20zones%20enable%20cloud%20administrators,used%20in%20Cloud%20Assembly%20deployments>

The Enterprise PKS Integration has been added! Now let's see what we can do with it.

Add Kubernetes Zone

What is a Kubernetes Zone?

Kubernetes zones enable cloud administrators to define policy based placement of Kubernetes clusters and namespaces used in Cloud Assembly deployments. An administrator can use this page to specify what clusters are available for provisioning of Kubernetes namespaces and, additionally, what properties are acceptable for clusters.

Basically once you have deployed a Kubernetes Zone, you can deploy Kubernetes Clusters on it and define namespaces on those Kubernetes Clusters. You can use the PKS Plans to do sizing of

QUESTION 22

In vRealize Automation Cloud Assembly, what can administrators use Onboarding Plans to do? (Choose the best answer.)

- A. Find the best cloud template to match to discovered virtual machines.
- B. View a list of virtual machines that have not yet been data-collected from a public cloud account.
- C. Identify virtual machines that were deployed using vRealize Automation.
- D. Identify virtual machines that have been data-collected from a configured cloud account but are not yet managed by vRealize Automation.

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.2/Using-and-Managing-Cloud-Assembly/GUID-B8037EFB-27A9-4351-A528-E3FFFB5DD586.html>

Vdumps

What are onboarding plans in vRealize Automation Cloud Assembly

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Updated on 08/27/2020

Selected product version: vRealize Automation 8.2

You use a workload onboarding plan to identify machines that have been data-collected from a cloud account type in a target region or data center but that are not yet managed by a vRealize Automation Cloud Assembly project.

When you add a cloud account that contains machines that were deployed outside of

QUESTION 23

Which type of cloud account is configured during the Quickstart process?

- A. Google Cloud Platform
- B. Microsoft Azure
- C. VMware Cloud on AWS
- D. VMware vCenter Server

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/Getting-Started-Cloud-Assembly/GUID-91597976-E472-493B-8017-2D37DC8DC0E5.html>

Using the vCenter Server Quickstart, you do the following tasks in vRealize Automation Cloud Assembly and vRealize Automation Service Broker.

- Add a vCenter Server cloud account. Cloud accounts are the credentials that are used to collect data from and deploy resources to your vCenter Server instance.
- Add an NSX-T or NSX-V cloud account and associate it with the vCenter Server account. The NSX cloud accounts are the credentials that are used to create and deploy NSX network resources.
- Select a datacenter. The datacenter is added as a cloud account region.
- Create a sample machine template that you can deploy.
- Create a project. The project links your users with cloud account regions, so that they can deploy application templates with networks and storage resources to your vCenter Server instance.
- Create lease and machine naming policies. The lease policy controls how long a deployment is active. The naming policy provides a standardized naming convention for the resources.
- Add the templates to the catalog.
- Deploy a machine from the catalog.



QUESTION 24

Where would an administrator configure the availability of newly added all-flash storage arrays for a Big Data Project in vRealize Automation? (Choose the best answer.)

- A. Cloud templates
- B. Storage Profiles
- C. Cloud Zones
- D. Storage Resources

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.2/Using-and-Managing-Cloud-Assembly/GUID-623A6992-4E4B-40C1-A697-E1933A285203.html>

QUESTION 25

What are two purposes of projects in vRealize Automation? (Choose two.)

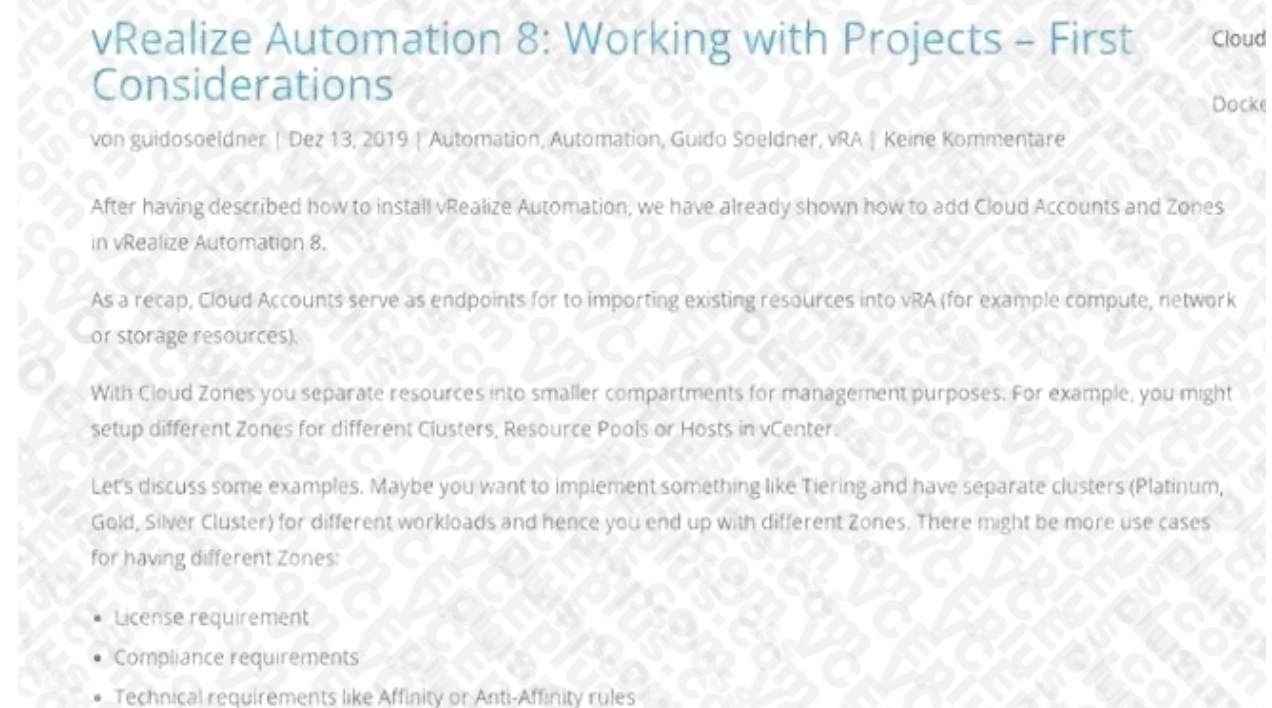
- A. Configure custom naming
- B. Organize image mappings
- C. Create tenants
- D. Add cloud accounts
- E. Map compute resources to users and groups

Correct Answer: A, E

Section:

Explanation:

Reference: <https://cloudadvisors.net/2019/12/13/vrealize-automation-8-working-with-projects-first-considerations/>



QUESTION 26

An administrator is preparing to deploy vRealize Automation into production in one of several geo-distributed datacenters. For which type of deployment should the administrator plan while confirming resource capacity? (Choose the best answer.)

- A. Standard
- B. Multi-site
- C. Distributed
- D. Clustered

Correct Answer: D

Section:

Explanation:

Reference: <https://vmvtips.com/2020/11/08/vra-8-1-deploy-guide/>

QUESTION 27

What is the function of Action-Based Extensibility (ABX)? (Choose the best answer.)

- A. It provides the capability to migrate content between instances of vRealize Automation.
- B. It provides efficient capacity and cost management for managed virtual machines.
- C. It provides intelligent remediation and integrated compliance for security patches.
- D. It provides a way to execute stateless function, which contain reusable parameterized actions.





Correct Answer: D


Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-55847415-5920-47E7-86BD-20CD9EB6BA6B.html>

Learn more about extensibility actions

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 Updated on 04/30/2020

Action-based extensibility uses streamlined scripts of code within Cloud Assembly to automate extensibility actions.

Action-based extensibility provides a lightweight and flexible run-time engine interface where you can define small scriptable actions and configure them to initiate when events specified in extensibility subscriptions occur.

You can create these extensibility action scripts of code within Cloud Assembly, or on your local environment, and assign them to subscriptions. Extensibility action scripts are used for more lightweight and simple automation of tasks and steps. For more information on integrating Cloud Assembly with a vRealize Orchestrator server, see [Configure a vRealize Orchestrator integration in Cloud Assembly](#).

QUESTION 28

What capability enables provider administrators to allocate infrastructure resources to tenants in a multi-organization vRealize Automation environment? (Choose the best answer.)

- A. Virtual Private Zones
- B. Virtual Private Clouds
- C. Cloud Accounts
- D. Integration Endpoints

Correct Answer: A

Section:

Explanation:

Reference: <https://www.cloud13.ch/2020/11/30/multi-tenancy-on-vmware-cloud-foundation-with-vrealize-automation-andcloud-director/>

QUESTION 29

The vRealize Orchestrator Service runs as a Kubernetes pod within each vRealize Automation appliance.

Which three containers make up the vRealize Orchestrator Service? (Choose three.)

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

Correct Answer: A, D, E

Section:

Explanation:



Reference: <https://docs.vmware.com/en/vRealize-Orchestrator/8.1/vrealize-orchestrator-81-install-config-guide.pdf>

QUESTION 30

Which statement is true for vRealize Automation multi-organization tenant configuration?

- A. Providers can set up multiple tenants and allocate infrastructure within each deployment, providers manage tenant infrastructure remotely.
- B. Providers set up multiple tenants, each tenant manages its own projects, resources, and deployments.
- C. Providers set up multiple tenants, each tenant manages its own projects but resources, and deployments are managed globally.
- D. Providers can set up multiple tenants and allocate infrastructure within each deployment and providers manage projects, resources, and deployments.

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.6/Administering/GUID-6E4A52AF-AE4B-4C12-AE20-413A505DF189.html>

QUESTION 31

Which two types of Code Stream endpoints are supported? (Choose two.)

- A. JFrog
- B. vRealize Orchestrator
- C. Ansible Tower
- D. Jenkins
- E. vRealize Operations

Correct Answer: B, D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/services/Using-and-Managing-CodeStream/GUID-04481662-27C6-4F53-8EA0-D7B2C3DC04C1.html>



Endpoint	What it provides	Versions supported	Requirements
Agent	Connects on-premises SSH, PowerShell, or REST task hosts		Before you create an agent endpoint, you must create a cloud proxy.
Bamboo	Creates build plans.	6.9.*	
Docker	Native builds can use Docker hosts for deployment.		When a pipeline includes an image from Docker Hub, you must ensure that the image has <code>curl</code> or <code>wget</code> embedded before you run the pipeline. When the pipeline runs, Code Stream downloads a binary file that uses <code>curl</code> or <code>wget</code> to run commands.
Docker Registry	Registers container images so that a Docker build host can pull images.	2.7.1	
Gerrit	Connects to a Gerrit server for reviews and trigger	2.14.*	
Git	Triggers pipelines when developers update code and check it in to the repository.	Git Hub Enterprise 2.1.8 Git Lab Enterprise 11.9.12-ee	
Jenkins	Builds code artifacts.	1.6.* and 2.*	

QUESTION 32

An administrator will use the vRealize Automation Code Stream Smart Templates to trigger pipeline testing when there are code changes in GitHub. Which template should the administrator use? (Choose the best answer.)

- A. Continuous Delivery
- B. Cloud Template
- C. Blank Canvas
- D. Continuous Integration

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.5/Using-and-Managing-CodeStream/GUID-9244DC3BD039-4E38-8AAF-FB50250FC171.html>

QUESTION 33

Which type of tag does vRealize Automation Cloud Assembly automatically apply during provisioning to some deployments to support the analysis, monitoring, and grouping of deployed resources?

- A. Constraint tag
- B. Standard tag
- C. Capability tag
- D. Storage tag

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.6/Using-and-Managing-Cloud-Assembly/GUID-1F1FD968-2EA1-404E-B081-E13383392061.html>

QUESTION 34

Which step must an administrator take when performing a vRealize Automation manual installation using Lifecycle Manager?
(Choose the best answer.)

- A. Set up a certificate in the certificate locker
- B. Configure storage policies
- C. Configure an additional network interface
- D. Integrate Active Directory

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.3/installing-vrealize-automation-easy-installer/GUID-4D23B793-4EC8-4449-8B3A-34CB1D9A8609.html>

Procedure

1. Click **Install** on the vRealize Easy Installer window.
2. Click **Next** after reading the introduction.
3. Accept the License Agreement and click **Next**. Read the **Customer Experience Improvement Program** and select the checkbox to join the program.
4. To specify vCenter Server details, enter these details on the Appliance Deployment Target tab.
 - a. Enter the **vCenter Server Hostname**.
 - b. Enter the **HTTPs Port number**.
 - c. Enter the **vCenter Server Username**, and **Password**.
5. Click **Next** and you are prompted with a Certificate Warning, click **Accept** to proceed.
6. You must specify a location to deploy virtual appliances.
 - a. Expand the vCenter Server tree.
 - b. Expand to any data center and map your deployment to a specific VM folder.
7. Specify a resource cluster on the Select a Compute Resource tab.
 - a. Expand the data center tree to an appropriate resource location and click **Next**.

**QUESTION 35**

Which two actions can be performed against a Cloud Assembly machine-based deployment? (Choose two.)

- A. Run machine-level actions including adding USB controller.
- B. Change lease for the deployment.
- C. Resize the deployment.
- D. Change machine IP address assignment to DHCP.
- E. Power off the deployment.

Correct Answer: C, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-8F8C0B0C-1FBC-47C4-A7F4-E7FF6B293601.html>



QUESTION 36

An administrator successfully creates a new cloud template in Cloud Assembly for the DevOps project. The administrator is ready to publish the cloud template so that the DevOps team can use the catalog for self-service requests.

The administrator is trying to import the cloud template into Service Broker through the correct content source type. After creating the content source, the administrator cannot find the new cloud template listed in order to import it.

What might be the cause of this issue? (Choose the best answer.)

- A. The administrator did not create a version of the cloud template.
- B. The administrator did not test the cloud template provisioning logic.
- C. The administrator did not select the 'Release this version to the catalog' checkbox.
- D. The administrator did not change the cloud template to a shared cloud template.

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/vrealize-automation-transition/GUID-9C62A648-E605-4E58-885E-A5C9670AF611.html>

How do I migrate and share a cloud template between projects

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Updated on 10/02/2020

Selected product version: **vRealize Automation 8.4**

vRealize Automation 8 supports sharing VMware Cloud Templates between projects.

During migration, you can migrate blueprints that are shared with existing projects. You can also maintain shared VMware Cloud Templates across projects even when the original project is rolled back. When the original project is rolled back, the cloud template ownership is transferred to another project.

QUESTION 37

Which kubectl command should be run to find the Kubernetes authentication method? (Choose the best answer.)

- A. kubectl describe pod
- B. kubectl -n prelude describe pod
- C. kubectl describe secrets
- D. kubectl explain

Correct Answer: C

Section:

Explanation:

Reference: <https://kubernetes.io/docs/tasks/configmap-secret/managing-secret-using-kubectl/>



Create a Secret

A `secret` can contain user credentials required by pods to access a database. For example, a database connection string consists of a username and password. You can store the username in a file `./username.txt` and the password in a file `./password.txt` on your local machine.

```
echo -n 'admin' > ./username.txt
echo -n '1f2d1e2e67df' > ./password.txt
```

In these commands, the `-n` flag ensures that the generated files do not have an extra newline character at the end of the text. This is important because when `kubectl` reads a file and encodes the content into a base64 string, the extra newline character gets encoded too.

QUESTION 38

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



Correct Answer: B

Section:

Explanation:

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

Creating Persistent and Non-Persistent Logs

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

QUESTION 39

An administrator is debugging a multi-machine cloud 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?
(Choose the best answer.)

- A. Deployments > History
- B. Deployments > Topology
- C. Cloud Assembly > Design
- D. Service Broker > Deployments

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Cloud-Assembly/GUID-970CA971-65B7-4747-BF35-A54C1C0B849B.html>



 **dumps**

QUESTION 40

What is the location of the vRealize Orchestrator log files within the vRealize Automation appliance? (Choose the best answer.)

- A. /var/log/vmware/vco
- B. /data/vco/usr/lib/vco/app-server/logs
- C. /var/syslog/syslog.d
- D. /opt/charts/vco/templates/logs

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Orchestrator/8.0/com.vmware.vrealize.orchestrator-installconfig.doc/GUID-0BA1B08B-7A94-45AD-ADFF-3440529E5F59.html#:~:text=vRealize%20Orchestrator%20Appliance%20logs%20are,the%20vracli%20log-bundle%20command>

VMware Technical Support routinely requests diagnostic information when you submit a support request. This diagnostic information contains product-specific logs and configuration files from the host on which the product runs.

vRealize Orchestrator Appliance logs are stored in the `/data/vco/usr/lib/vco/app-server/logs/` directory. You export the logs of your vRealize Orchestrator Appliance deployment by logging in to the appliance command line and running the `vrac11 log-bundle` command. The generated log bundle is saved on the root folder of your vRealize Orchestrator Appliance.

Logging Persistence
You can log information in any kind of vRealize Orchestrator script, for example workflow, policy, or action. This information has types and levels. The type can be either persistent or non-persistent. The level can be DEBUG, INFO, WARN, ERROR, TRACE, and FATAL. [Read more]

vRealize Orchestrator Logs Configuration
On the **Configure Logs** page in Control Center, you can set the level of server log and the scripting log that you require. If either of the logs is generated multiple times a day, it becomes difficult to determine what causes problems. [Read more]

Configuring Logging Integration with vRealize Log Insight
You can configure vRealize Orchestrator to send your logging information to vRealize Log Insight. [Read more]

Enable Kerberos Debug Logging
You can troubleshoot vRealize Orchestrator plug-in problems by modifying the Kerberos configuration file used by the plug-in. [Read more]

QUESTION 41

Which two public cloud accounts are supported for vRealize Automation? (Choose two.)

- A. IBM Cloud
- B. Oracle Cloud
- C. Amazon Web Services
- D. Alibaba Cloud
- E. Microsoft Azure

Correct Answer: C, E

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-6667AA70-169A-4E03-A377-B2B4533910D4.html>

QUESTION 42

The administrator is tasked with creating a number of different content sources in Service Broker so that multiple types of catalog items can be created. What is the only public cloud template that can be selected as a content source in Service Broker? (Choose the best answer.)

- A. Google Cloud Deployment Manager templates
- B. Alibaba Cloud Resource Orchestration Service templates
- C. AWS CloudFormation templates
- D. Azure Resource Manager (ARM) templates

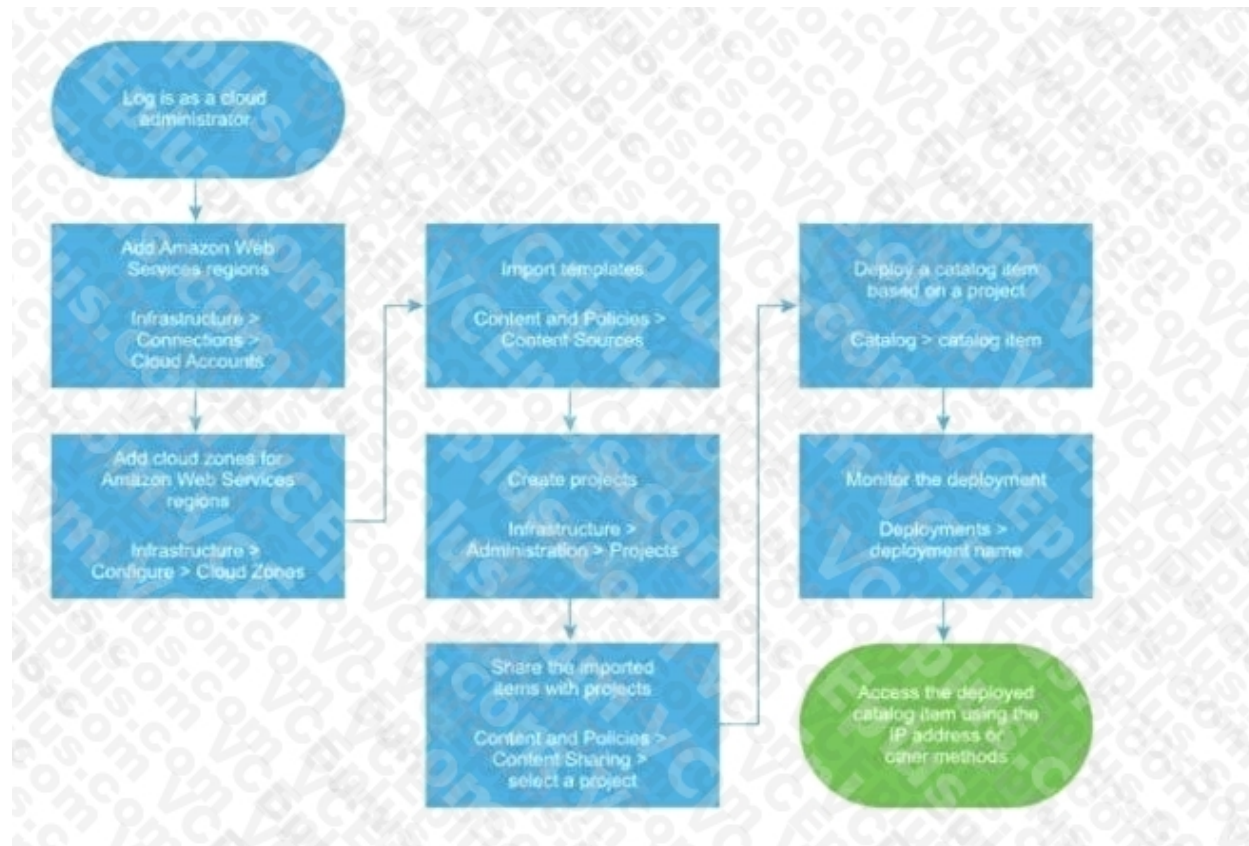
Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Service-Broker/services/Using-and-Managing/GUID-2B831357-3F5A-4F07-B0EE-82CBE0CE1342.html>





QUESTION 43

An administrator configures three different storage profiles – Gold Storage, Silver Storage and Bronze Storage. When requesting a specific cloud template, a Service Broker user should be able to select either storage. Which type of tag should the administrator add to the storage profile to support this requirement? (Choose the best answer.)

- A. Storage tag
- B. Standard tag
- C. Capability tag
- D. Constraint tag

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-8E630DEA-4732-45FC-9655-6933D55818C1.html>



QUESTION 44

An administrator is configuring vRealize Automation to generate a unique machine naming convention for the deployed resources.

The machine name should meet the following criteria:

XXX-YYY-ZZZ-##

XXX – Cloud Zone

YYY – Server Function

YYY – Application

– 2-digit running number

Which component should the administrator use to configure this policy? (Choose the best answer.)

- A. Cloud zones
- B. Machines
- C. Projects
- D. Capability tag

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/Using-and-Managing-Cloud-Assembly/GUID-AD400ED7-EB3A-4D36-B9A7-81E100FB3003.html>





QUESTION 45

An administrator is trying to synchronize a new cloud template into the App-Dev project. The administrator copies the cloud template code directly from Cloud Assembly into a text file and uploads it into the Github repository so that it can be synchronized to the App-Dev project.

When the administrator clicks 'Synch Repos', a new cloud template does not appear.

Which step must the administrator take to allow it to synchronize from the Github repository?

- A. Add the name and version to the cloud template YAML code.
- B. Clone the cloud template
- C. Release the cloud template
- D. Upload the cloud template

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-1847AC57-157A-4319-B425-A1A4731C9DDA.html>

QUESTION 46

What happens if multiple resources in a provisioning request meet conflicting hard constraints?

- A. Tags from the cloud template take precedence.
- B. Round robin is used to select only one of the conflicting tags.
- C. Soft constraints are used as a tiebreaker.
- D. Tags from the project take precedence.

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-C8C335F4-9623-401C-825E-6F5B2B3C6507.html>

```
Error: com.vmware.xenon.common.LocalizableValidationException: Unable to find a valid subnet for network 'Network_External' of type 'EXISTING' with constraints '[dc.metro, tier:1]', reasons: [Network profile 'publicnet / Metro' was skipped because [Network [Network_External] allocation: cannot allocate a network with static IP ranges for profile 'publicnet / Metro'.]]
```

QUESTION 47

An administrator is configuring user roles to access various vRealize Automation services. The development team members require access to create and test cloud templates and manage their deployments. What is the minimal service role the development team members require?

- A. Cloud Assembly Administrator
- B. Cloud Assembly User
- C. Service Broker Administrator
- D. Service Broker User

Correct Answer: B

Section:

Explanation:

Reference: <https://cloudadvisors.net/2019/11/09/setting-up-permissions-in-vrealize-automation-8-cloud-assembly/>

QUESTION 48

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.

Correct Answer: A

Section:

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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Updated on 05/31/2019

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.

QUESTION 49

In a vRealize Automation clustered deployment, how many Kubernetes master nodes are configured during the installation?
(Choose the best answer.)

- A. One
- B. Zero
- C. Three
- D. Two

Correct Answer: C

Section:

Explanation:

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





QUESTION 50

Which command should an administrator run to check the status of vRealize Automation services? (Choose the best answer.)

- A. `vracli org-oauth-apps`
- B. `kubectl -n prelude get pods`
- C. `kubectl cluster-info -n prelude`
- D. `vracli status`

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Administering/GUID-99D06124-13F8-489A-B43CEAEC3F4FE582.html>



QUESTION 51

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

Correct Answer: B

Section:

Explanation:

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

QUESTION 52

An administrator creates a content source and would like to share all the imported cloud templates dynamically with the project members. Which content sharing option should the administrator select to achieve this? (Choose the best answer.)

- A. All Content
- B. Static Content
- C. Content Sources
- D. Dynamic Content

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Validated-Design/6.0/sddc-architecture-and-design-for-cloud-operationsand-automation/GUID-C0DCB33E-FB2A-4242-A508-EE14232AA7CB.html>



QUESTION 53

What are the two prerequisites for setting up multi-organization tenancy for vRealize Automation? (Choose two.)

- A. VMware Identity Manager
- B. vRealize Suite Lifecycle Manager
- C. vRealize Automation Appliance
- D. vRealize Easy Installer
- E. SaltStack Config

Correct Answer: B, C

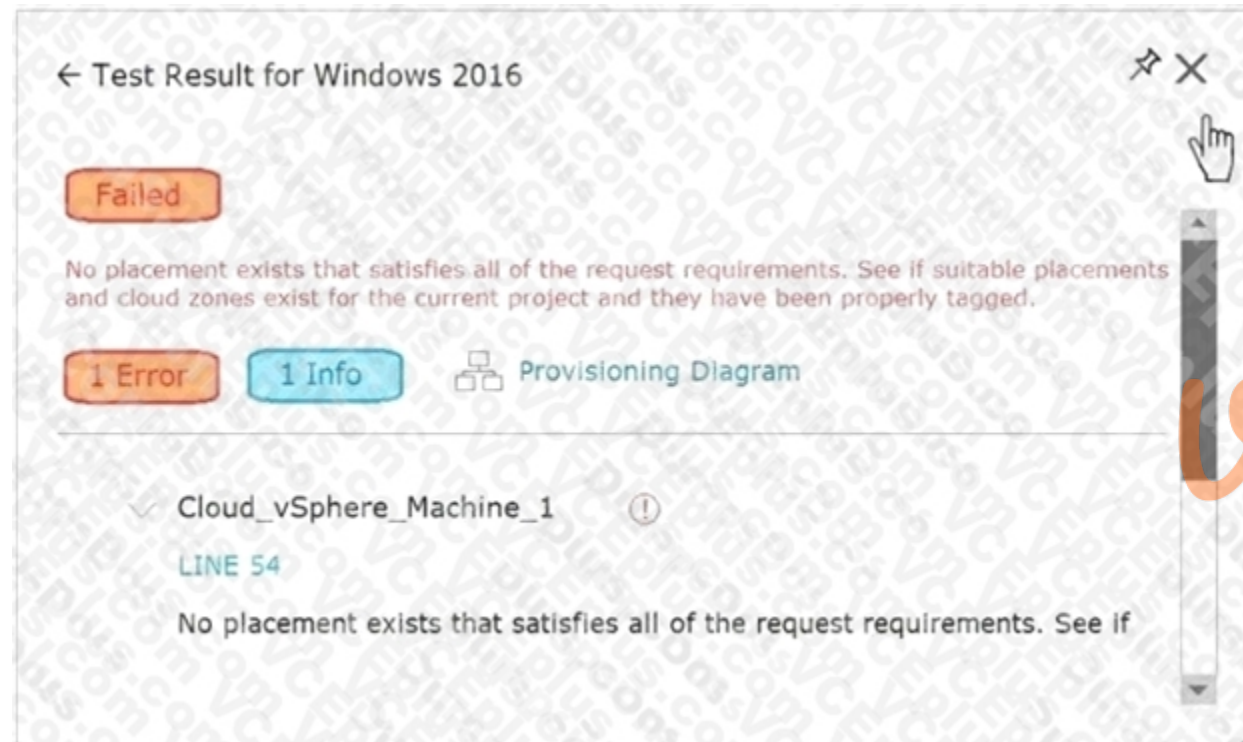
Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/Administering/GUID-1D0D01DB-F19C-4328-B24C-9CA4C58CDCE4.html>

QUESTION 54

Refer to the exhibit.



An administrator is testing a newly created Windows 2016 cloud template in Cloud Assembly. While using the Test option from within the cloud template, the attached error appears. What is a possible cause for this error message? (Choose the best answer.)

- A. During the machine allocation phase, Cloud Assembly could not find enough resources.
- B. The network profile created did not have the correct capability tag.
- C. The administrator did not associate a cloud zone to the project.
- D. The administrator did not add a cloud account.

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.2/vrealize-automation-transition/GUID-F3541BFC-E154-4E76-8845-FAF4E40632E3.html>

Blueprint Limitations

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Updated on 11/09/2020

Selected product version: **vRealize Automation 8.2**

vRealize Automation 8 Migration Assistant tool includes these limitations.

- In vRealize Automation 8, Blueprints are called VMware Cloud Templates.
- Nested blueprints (Parent blueprint with children blueprints) are not supported in vRealize Automation 8. You can flatten nested blueprints, if desired. However, flattening blueprints will cause you to lose the abstraction layer.
- During migration, lease policies are migrated but the **Minimum lease days** field is not. vRealize Automation 8 migrates minimum lease days as **Maximum Lease Days** and maximum lease days as **Maximum Total Lease**.

QUESTION 55

The Quickstart wizard executes multiple actions when submitted.

What is one of the actions that is always executed by the Quickstart wizard? (Choose the best answer.)

- A. Send approval notification
- B. Create an Active Directory integration
- C. Request a deployment from a machine catalog item
- D. Execute subscriptions for an event topic

Correct Answer: B

Section:

Explanation:

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

The logo for Vdumps.com, featuring a stylized orange 'V' followed by the word 'dumps' in a grey, lowercase sans-serif font.



vRealize Automation 8 – Install and Configuration

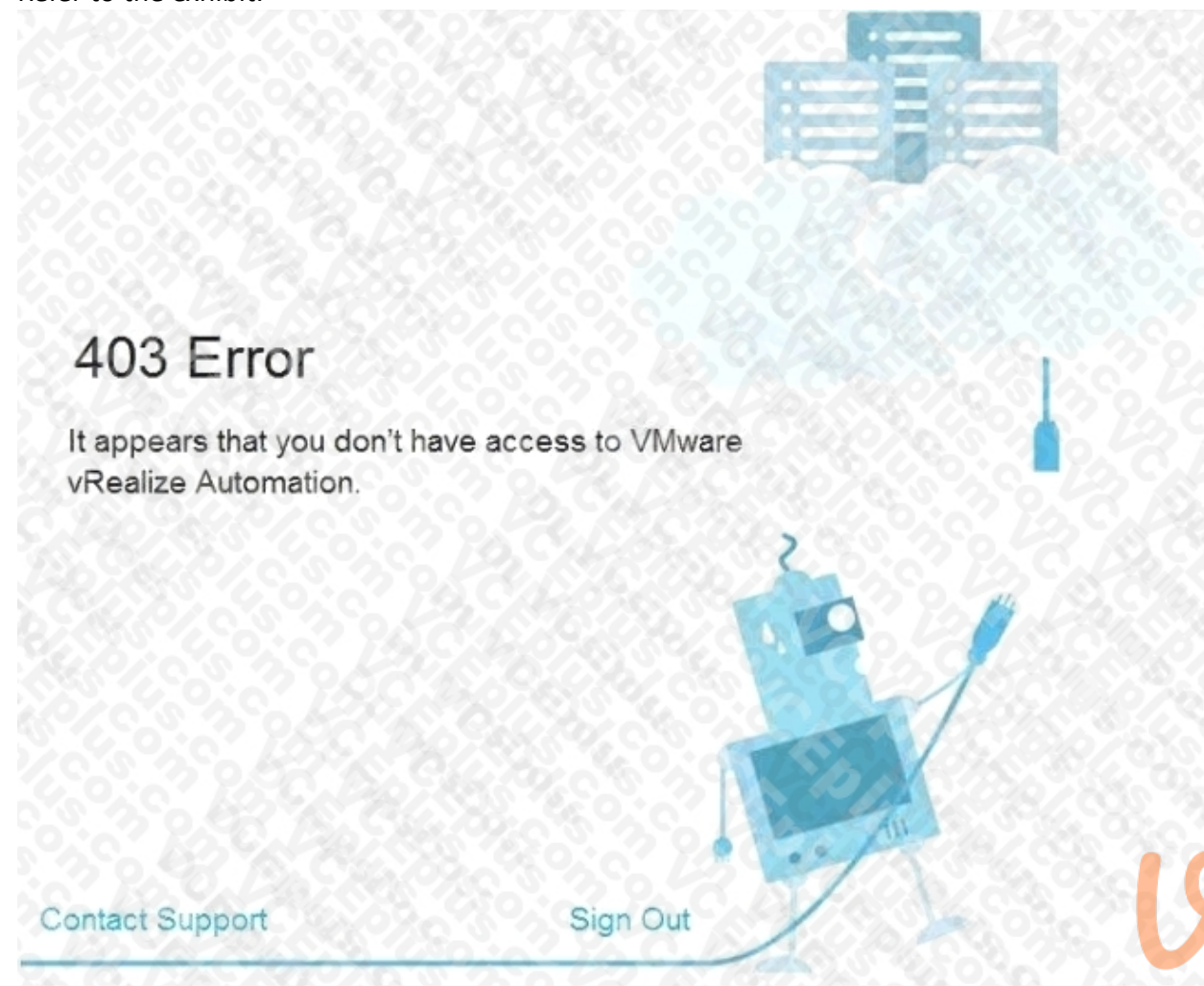
Karl Fultz
October 17, 2019

Share on:

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.

QUESTION 56

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.

Correct Answer: A, E

Section:

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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Updated on 01/29/2021

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 uses 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.

QUESTION 57

An enterprise organization has a library of Terraform configurations for creating and managing its infrastructure resources. What enhanced capability will be introduced by leveraging the vRealize Automation Terraform Service? (Choose the best answer.)

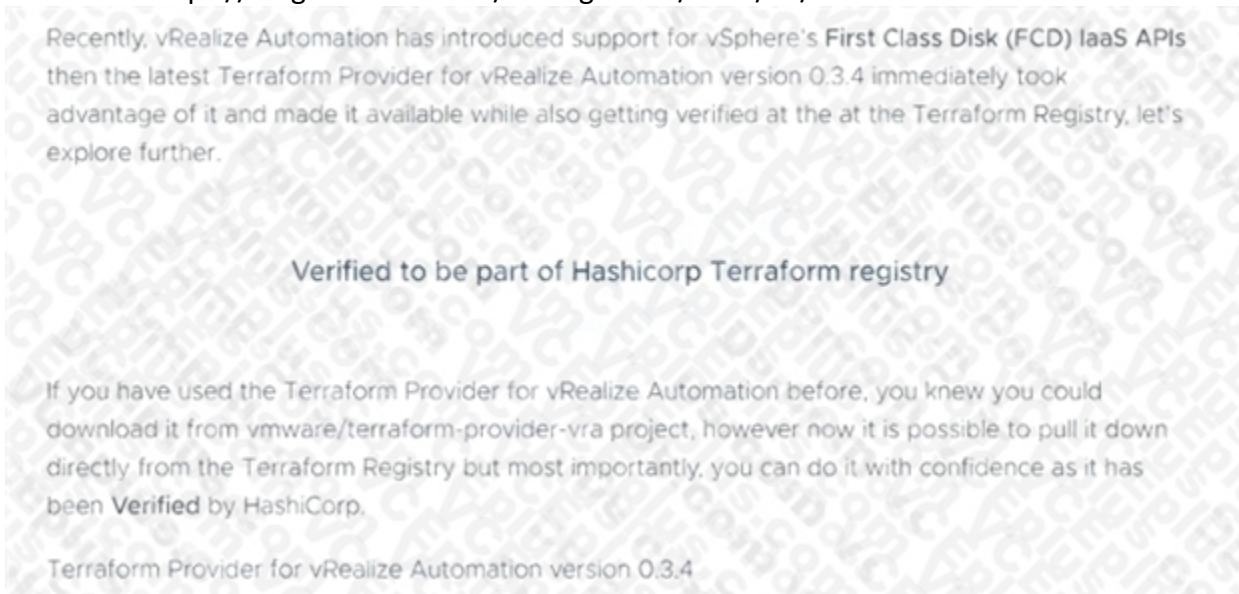
- A. The ability to deploy a machine using a dynamically-created Terraform configuration with tag-based placement.
- B. The ability to deploy a machine using an existing Terraform configuration from the self-service catalog in Service Broker.
- C. The ability to deploy a machine using an existing Terraform configuration with tag-based placement.
- D. The ability to deploy a machine using a dynamically-created Terraform configuration from the self-service catalog in Service Broker.

Correct Answer: A

Section:

Explanation:

Reference: <https://blogs.vmware.com/management/2020/11/vra-tf-fcd.html>



QUESTION 58

Which command should an administrator run to manage certificates on a vRealize Automation appliance? (Choose the best answer.)

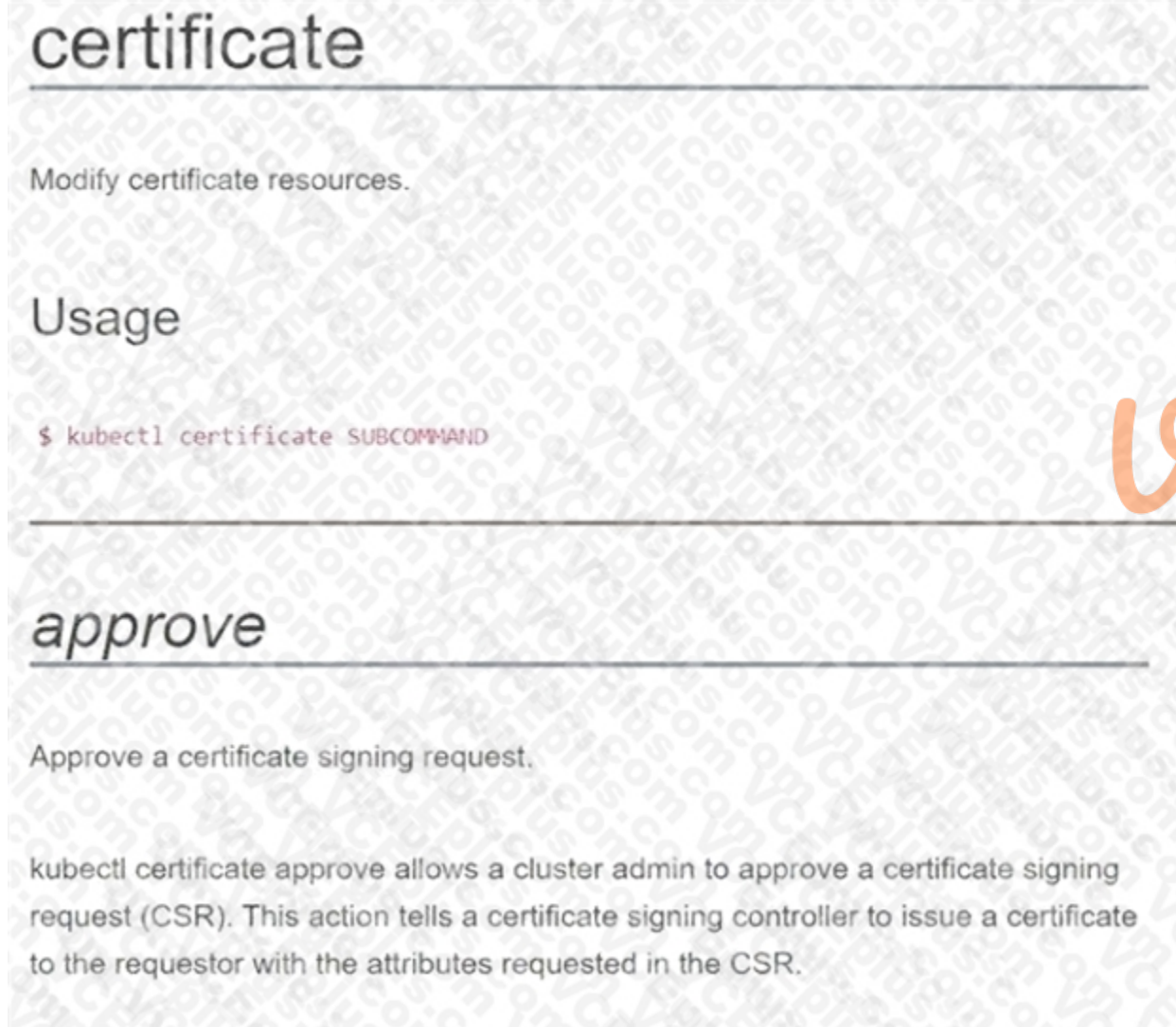
- A. /data/vco/usr/lib/vco/app-server/bin/generate_ssl_certificate.sh
- B. kubectl certificate
- C. /opt/scripts/renew_k8s_certificates.sh
- D. vracli certificate

Correct Answer: B

Section:

Explanation:

Reference: <https://kubernetes.io/docs/reference/generated/kubectl/kubectl-commands#certificate>



 **vdumps**

QUESTION 59

Which network profile can be used to isolate a deployment? (Choose the best answer.)

- A. Routed network profile
- B. Outbound network profile
- C. Private network profile
- D. Existing network profile

Correct Answer: C

Section:

Explanation:

Reference: <https://blogs.vmware.com/management/2019/08/network-automation-with-cloud-assembly-and-nsx-part-3.html>

