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2V0-31.21

Professional VMware vRealize Automation 8.3

Version 1.0



Exam A

QUESTION 1

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: (none)

Explanation

Explanation/Reference:

Reference: <https://vra4u.com/2020/04/05/vra-8-how-to-integrate-with-pks-unleash-k8s-magic/#:~: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 2 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: (none)

Explanation

Explanation/Reference:

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



vRealize Automation 8 – Install and Configuration



Karl Fultz

October 17, 2019

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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.

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QUESTION 3 Which two components can be used to add a directory for identity and access management?
(Choose two.)

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



Correct Answer: CE

Section: (none)


Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Administering/GUID-29D1F2C2-5878-4AB0-A382-0127BF22D42F.html>

Administering Users and Groups in vRealize Automation



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 Updated on 12/17/2019

Selected product version: **vRealize Automation 8.0** ▼

vRealize Automation uses VMware Workspace ONE Access, the VMware supplied identity management application to import and manage users and groups. After users and groups are imported or created, you can manage role assignments using the Identity & Access Management page.

vRealize Automation is installed using VMware Lifecycle Manager (vRSLCM or LCM). When installing vRealize Automation you must import an existing Workspace ONE Access instance, or deploy a new one to support identity management. These two scenarios define your management options.



QUESTION 4

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: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Cloud-Assembly/GUID-9CBAA91A-FAAD-4409-AFFC-ACC1810E4FA5.html>

QUESTION 5

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. `kubect1 certificate`
- C. `/opt/scripts/renew_k8s_certificates.sh`
- D. `vracli certificate`

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:**

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

certificate

Modify certificate resources.

Usage

```
$ kubectl certificate SUBCOMMAND
```

approve

Approve a certificate signing request.

kubectl certificate approve allows a cluster admin to approve a certificate signing request (CSR). This action tells a certificate signing controller to issue a certificate to the requestor with the attributes requested in the CSR.



QUESTION 6 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: (none)

Explanation**Explanation/Reference:**

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

QUESTION 7

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: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

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: BD

Section: (none)

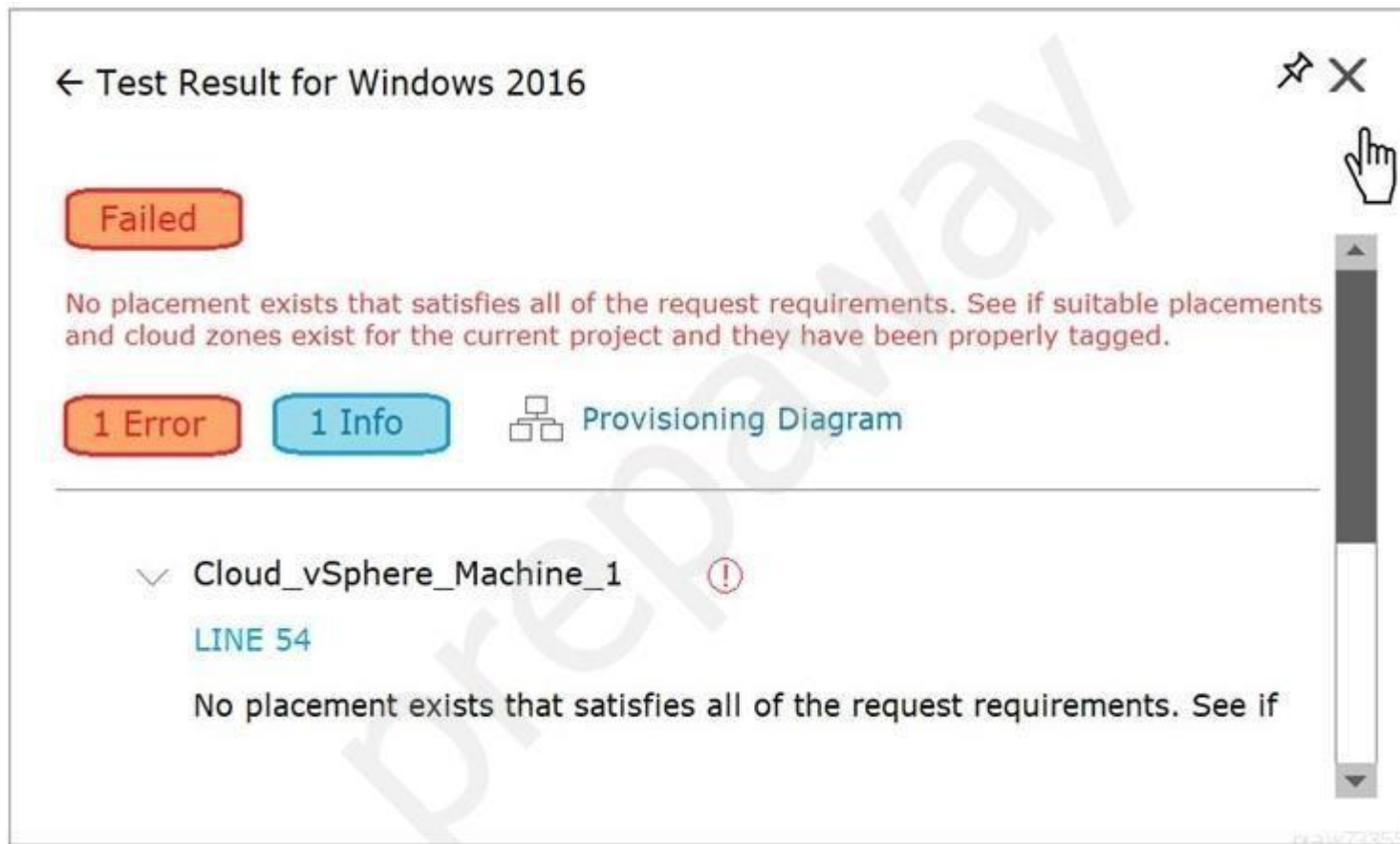
Explanation

Explanation/Reference:



QUESTION 9

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: (none)

Explanation

Explanation/Reference:

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**.

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QUESTION 10 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: AE

Section: (none)

Explanation


Explanation/Reference:

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

Create an extensibility subscription



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 Updated on 10/17/2019

Selected product version:

vRealize Automation 8.0 ▾

Using vRealize Orchestrator integration or extensibility actions with vRealize Automation Cloud Assembly, you can create subscriptions to extend your applications.

Extensibility subscriptions allow you to extend your applications by triggering workflows or actions at specific life cycle events. You can also apply filters to your subscriptions to set boolean conditions for the specified event. For example, the event and workflow/action only triggers if the boolean expression is 'true'. This is helpful when you want to control when events and actions are triggered.

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QUESTION 11 An administrator creates multiple flavor mappings and names them as follows:

Small: vCenter / Datacenter:datacenter-1 – cpu = 1, memory
= 2 GB AWS-West-1 / us-west-1 = t2.micro

Medium:
vCenter / Datacenter:datacenter-1 – cpu = 2, memory = 4 GB AWS-West-1
/ us-west-1 = t2.small

Where would the administrator use those named mappings to allow users to select image sizes? (Choose the best answer.)

- A. Cloud zones
- B. Projects
- C. Cloud templates
- D. Custom forms

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-9CBAA91A-FAAD-4409-AFFC-ACC1810E4FA5.html>



Learn more about image mappings in vRealize Automation Cloud Assembly



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 Updated on 09/30/2020

Selected product version:

vRealize Automation 8.0 ▾

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

Cloud vendor accounts such as Microsoft Azure and Amazon Web Services use images to

QUESTION 12

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: (none)

Explanation

Explanation/Reference:

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

What can I do if a vRealize Automation Cloud Assembly deployment fails

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vRealize Automation 8.1 ▾

Your deployment request might fail for many reasons. It might be due to network traffic, a lack of resources on the target cloud provider, or a flawed deployment specification. Or, the deployment succeeded, but it does not appear to be working. You can use vRealize Automation Cloud Assembly to examine your deployment, review any error messages, and

QUESTION 13 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: (none)

Explanation

Explanation/Reference:

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

What are onboarding plans in vRealize Automation Cloud Assembly

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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 praw733551

QUESTION 14

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 15

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which command should an administrator run to collect a vRealize Automation log bundle? (Choose the best answer.)

- A. `kubect1 -n prelude logs`
- B. `kubect1 get pods --all-namespaces`
- C. `vracli log-bundle`
- D. `vracli vrli`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.3/Administering/GUID-EB314825-845A-4F31-8155-53F99F0B7B3C.html>

How do I work with logs and log bundles in vRealize Automation



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vRealize Automation 8.3 ▼

Logs are generated automatically by the various services. You can generate log bundles in vRealize Automation. You can also configure your environment to automatically forward logs to vRealize Log Insight.

Information about how to use the `vracli` command line utility to generate log bundles is available by using the `--help` argument in the `vracli` command line (for example, `vracli log-bundle --help`).

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QUESTION 17

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: (none)

Explanation

Explanation/Reference:

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

Content Sharing Design for Service Broker in vRealize Automation



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VMware Validated Design 6.0 ▾

You publish imported content and make it available in the Service Broker catalog for the project members.

After you create a content source and import content items, you can share the items based on the release scope. When creating a blueprint in Cloud Assembly, you set the scope for sharing in Service Broker. You can restrict the blueprint to be shared only within its own project or make them available to any project in the organization.

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QUESTION 18 What are two purposes of projects in vRealize Automatin? (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: AE

Section: (none)

Explanation

Explanation/Reference:

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



vRealize Automation 8: Working with Projects – First Considerations

von guidosoeldner | Dez 13, 2019 | Automation, Automation, Guido Soeldner, vRA | Keine Kommentare

After having described how to install vRealize Automation, we have already shown how to add Cloud Accounts and Zones in vRealize Automation 8.

As a recap, Cloud Accounts serve as endpoints for to importing existing resources into vRA (for example compute, network or storage resources).

With Cloud Zones you separate resources into smaller compartments for management purposes. For example, you might setup different Zones for different Clusters, Resource Pools or Hosts in vCenter.

Let's discuss some examples. Maybe you want to implement something like Tiering and have separate clusters (Platinum, Gold, Silver Cluster) for different workloads and hence you end up with different Zones. There might be more use cases for having different Zones:

- License requirement
- Compliance requirements
- Technical requirements like Affinity or Anti-Affinity rules

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QUESTION 19 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: (none)

Explanation

Explanation/Reference:

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 20

While deploying a virtual machine cloud template, an administrator encounters the following error:

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'.]]

Where should the administrator start to troubleshoot? (Choose the best answer.)

- A. Projects
- B. Network Profiles
- C. Tags
- D. Cloud Zones

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://communities.vmware.com/t5/vRealize-Automation-Tools/How-to-assign-manual-IP-Address-to-VM-during-deployment-with-vRA/td-p/2308776>

QUESTION 21 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: (none)

Explanation

Explanation/Reference:

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


How to customize the names of deployed resources using vRealize Automation Cloud Assembly



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 Updated on 01/15/2021

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vRealize Automation 8.4 



As a cloud or project administrator, you have a prescribed naming convention for resources in your environment, and you want the deployed resource to follow those conventions without user interaction. You can create a naming template for all deployments from a vRealize Automation Cloud Assembly project.

For example, your host naming convention is to prefix a resource as *projectname-sitecode-costcenter-whereDeployed-identifier*. You configure the custom naming template for the

QUESTION 22 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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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.

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QUESTION 23 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: (none)

Explanation

Explanation/Reference:

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

vRealize Automation Administration Console

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/vcac 3. Log in. 	<p>You must be a user with the system administrator role.</p>



QUESTION 24

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: (none)

Explanation

Explanation/Reference:

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

Using capability tags in Cloud Assembly



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 Updated on 09/13/2021

In Cloud Assembly, capability tags enable you to define deployment capabilities for infrastructure components. Along with constraints, they function as the basis of placement logic in vRealize Automation Cloud.

You can create capability tags on compute resources, cloud zones, images and image maps, and networks and network profiles. The pages for creating these resources contain options for creating capability tags. Alternatively, you can use the Tag Management page in Cloud Assembly to create capability tags. Capability tags on cloud zones and network profiles affect all resources within those zones or profiles. Capability tags on storage or network components affect only the components on which they are applied.

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QUESTION 25 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: (none)

Explanation

Explanation/Reference:

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](#).

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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: (none)

Explanation

Explanation/Reference:

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

QUESTION 27

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

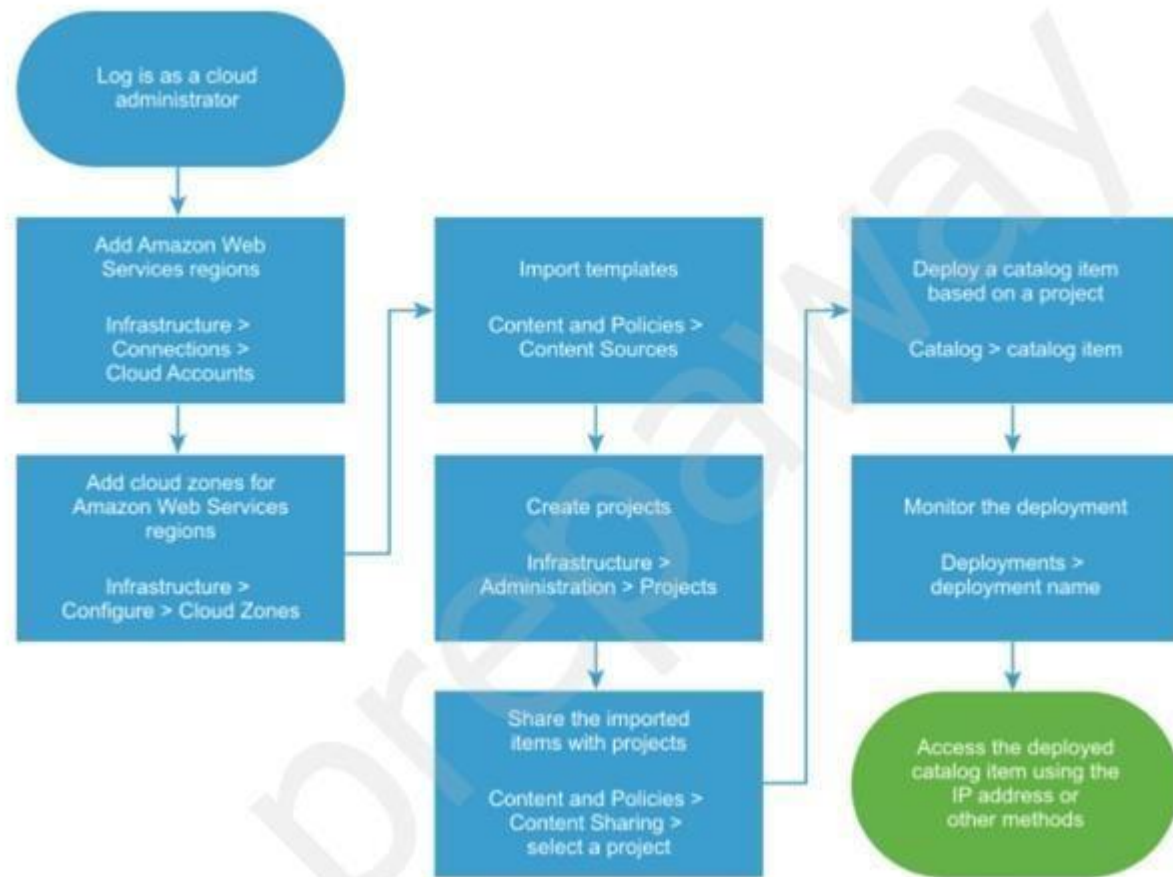
Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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



QUESTION 28

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 29 An administrator configures a lease policy with the following settings:

Maximum lease (days): 10
Maximum total lease (days): 30
Grace period (days): 5

If a user does not respond to any emails, after how many days will the deployment be destroyed? (Choose the best answer.)

- A. 15
- B. 10

C. 35 D.
40

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.1/Using-and-Managing-Service-Broker/GUID-87B2B204-3B4F-458F-826E-82CE7246FDA4.html>

How do I configure vRealize Automation Service Broker deployment leases using policies



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 Updated on 04/29/2020

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

By using policy-based leases, you reduce the need to intervene manually to reclaim resources. You define lease policies so that you can control the amount of time that a deployment is available to your users. The lease policy use cases in this procedure provide a beginning point for learning about and implementing policies for your organization.



prax733551

QUESTION 30

Refer to the exhibit.

 App-Dev-2		4 Resources	Created 5 minute...	Expires in a day	ACTIONS v
No description		 subnet-4ee6fa25			
Project	App-Dev	 WebApp_Server233	▶ On	3.121.234.104	
Requestor		 External_Network231			
		MORE v			

An administrator configures a lease policy, ("1 Day Lease"), for the App-Dev project so that machines have a starting lease of one day and a maximum lease of five days.

The following week, the administrator is assigned a ticket to address an issue with machines being deleted without any notifications being received. The administrator requests a new machine deployment through the App-Dev project's service catalog. Given the one day lease period, the administrator expects to receive an automated "Lease Expiring" system immediately following a successful deployment; however, the email is not received. The administrator checks the deployment that has just been created (as displayed in the exhibit) and confirms that the "1 Day Lease" policy has been correctly applied. Which action should the administrator take to resolve this issue? (Choose the best answer.) A. Add an email endpoint.

- B. Configure the notification email Server.
- C. Ensure the users have notifications enabled.
- D. Run the Configure mail workflow.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcenterhost.doc/GUID-467DA288-7844-48F5-BB44-99DE6F6160A4.html>

QUESTION 31 What are two advantages of using vRealize Automation on-premises over vRealize Automation Cloud?

(Choose two.)

- A. Integrate with on-premises vRealize Operations
- B. Leverage existing VMware Identity Manager for authentication
- C. Support for on-premises vRealize Orchestrator instance(s)
- D. Support for provisioning workloads to on-premises infrastructure
- E. License key is not required

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/certification/vmw-vcp-cma-exam-preparation-guide.pdf>

QUESTION 32 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



Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

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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 Updated on 07/13/2021

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.

praW733551

QUESTION 33

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: ADE

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 34

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: (none)
Explanation

Explanation/Reference:

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 35

Refer to the exhibit.



My Services

prw733551

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 36

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>`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 37 An administrator configured flavor mapping for use in a multi-tier application cloud template.

What are the sizing options allowed in vSphere when creating a new flavor mapping? (Choose the best answer.)

- A. Number of CPUs only
- B. Memory and number of CPUs
- C. Disks only
- D. Memory only

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-Cloud-Assembly/services/Using-and-Managing/GUID-B3DC68C3-D1AF-4208-9C0B-C3B222B234D5.html>

Learn more about flavor mappings in vRealize Automation Cloud



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 Updated on 09/08/2021

A flavor mapping groups a set of target deployment sizings for a specific cloud account/region in vRealize Automation Cloud using natural language naming.

Flavor mapping lets you create a named mapping that contains similar flavor sizings across your account regions. For example, a flavor map named **standard_small** might contain a similar flavor sizing (such as 1 CPU, 2 GB RAM) for some or all available account/regions in your project. When you build a cloud template, you pick an available flavor that fits your needs.

praw733551

QUESTION 38

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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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 Updated on 03/18/2021

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.



QUESTION 39

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 40

Refer to the exhibit.

New Cloud Account

vCenter Server Credentials

vCenter IP address/FQDN * ⓘ

Username *

Password *

VALIDATE

ⓘ 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 ⓘ

ADD

CANCEL



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: (none)

Explanation

Explanation/Reference:

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

Configure a vCenter Server Cloud Account in vRealize Operations Manager



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Updated on 03/16/2021

Selected product version:

vRealize Operations Manager 8.4 ▼

To manage your vCenter Server instances in vRealize Operations Manager, you must configure a cloud account for each vCenter Server instance. The cloud account requires the credentials that are used for communication with the target vCenter Server.

prw733551

QUESTION 41

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 42 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: CE

Section: (none)

Explanation

Explanation/Reference:

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 ▾

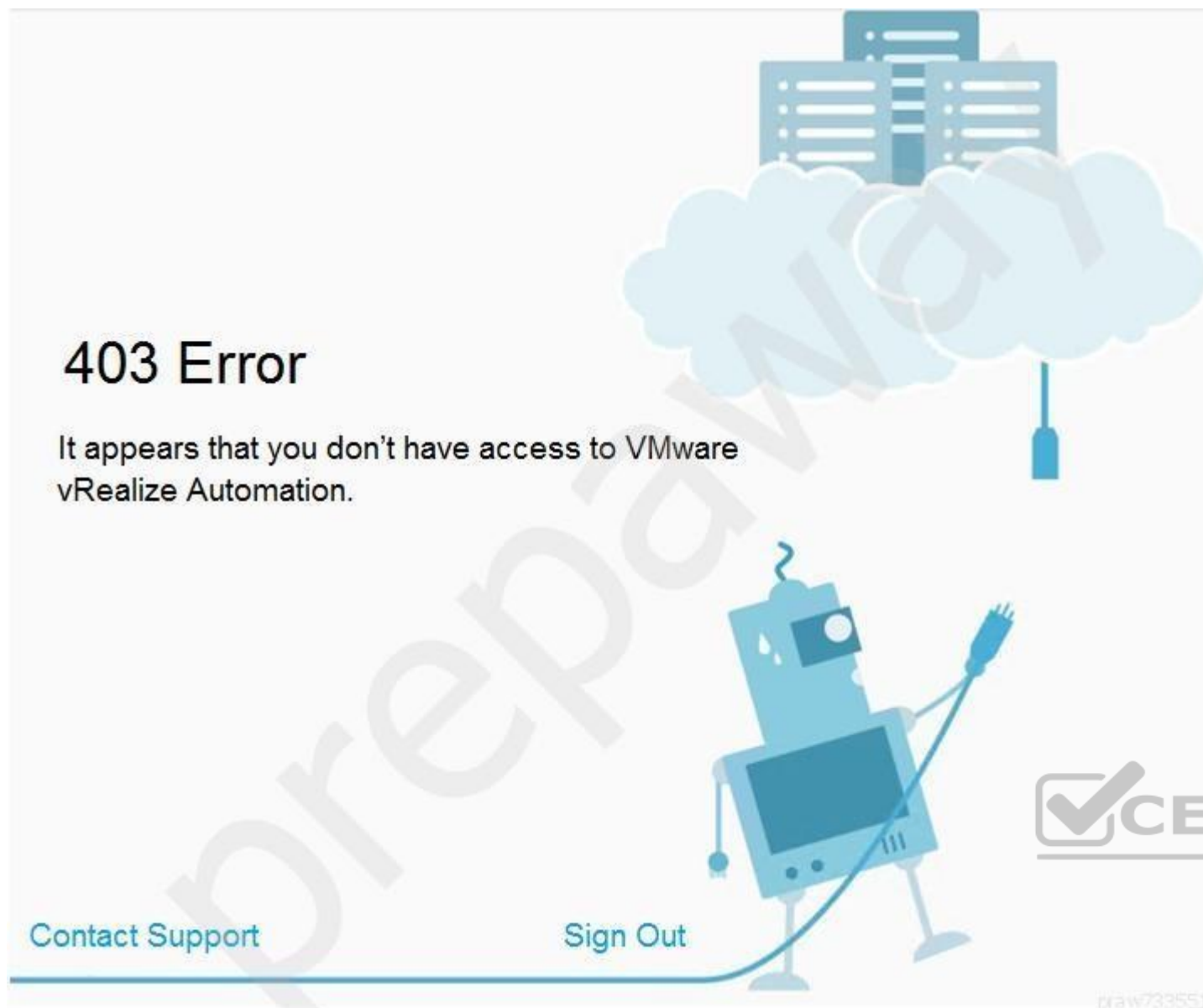
As a vRealize Automation Service Broker consumer, you deploy a catalog item that was imported from vRealize Automation Cloud Assembly, Amazon CloudFormation, and other sources so that you can deploy it as part of your work processes.

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 43

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: AE

Section: (none)

Explanation

Explanation/Reference:

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.

prw73551

QUESTION 44 Which vRealize Automation service allows an administrator to import released cloud templates and Amazon Web Services CloudFormation templates that users can deploy? (Choose the best answer.)

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.3/Getting-Started-Service-Broker/GUID-8DDBB69B-6316-40FC-B584-C4F89643FA27.html>

QUESTION 45

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: (none)

Explanation

Explanation/Reference:

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



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.



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)

prw733551

QUESTION 46 Which option should an administrator configure to implement storage profiles in cloud templates? (Choose the best answer.)

- A. Cloud zones
- B. Flavor mappings
- C. Projects
- D. Tags

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 47 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: CD

Section: (none)

Explanation

Explanation/Reference:

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

Using network settings in network profiles and cloud templates in vRealize Automation Cloud



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 Updated on 09/17/2021

You use networks and network profiles in vRealize Automation Cloud to help define the behavior of network provisioning for your deployments.

In vRealize Automation Cloud, you can define cloud-specific network profiles. See [Learn more about network profiles in vRealize Automation Cloud](#).

Using network and network profile settings, you can control how network IP addresses are used in vRealize Automation Cloud cloud templates and deployments.

praw733551

QUESTION 48

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 49

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. PrivateE. Routed

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

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

Using networks and network profiles in vRealize Automation Cloud Assembly

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 Updated on 11/13/2019

Selected product version: vRealize Automation 8.0 ▾

You use networks and network profiles in vRealize Automation Cloud Assembly to help define the behavior of network provisioning for your deployments.

In vRealize Automation Cloud Assembly, you can define cloud-specific network profiles. See [Learn more about network profiles in vRealize Automation Cloud Assembly](#).

Network types

A network component in a blueprint is defined as one of the following `networkType` types.

QUESTION 50 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: AE

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 51

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 52 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: (none)

Explanation

Explanation/Reference:

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

Recently, vRealize Automation has introduced support for vSphere's First Class Disk (FCD) IaaS APIs then the latest Terraform Provider for vRealize Automation version 0.3.4 immediately took advantage of it and made it available while also getting verified at the Terraform Registry, let's explore further.

Verified to be part of Hashicorp Terraform registry



If you have used the Terraform Provider for vRealize Automation before, you knew you could download it from vmware/terraform-provider-vra project, however now it is possible to pull it down directly from the Terraform Registry but most importantly, you can do it with confidence as it has been **Verified** by HashiCorp.

Terraform Provider for vRealize Automation version 0.3.4

prw733551

QUESTION 53

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 54 Which `kubectl` command should be run to find the Kubernetes authentication method? (Choose the best answer.)

- A. `kubectl describe pod <pod-name>`
- B. `kubectl -n prelude describe pod <pod-name>`
- C. `kubectl describe secrets`
- D. `kubectl explain`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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 55 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: AE

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 56 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 `kubect1 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 57 An administrator is looking to install SaltStack Config to integrate with existing vRealize Automation environment.

Which two pre-requisites must be met to complete the installation using vRealize Suite Lifecycle Manager? (Choose two.)

- A. Access to NSX-T Load Balancer
- B. Integrate vRealize Automation with Active Directory
- C. Access to a vRealize Automation tenant
- D. A valid vRealize Automation license key
- E. Access to NSX-T Data Center cloud account

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vRealize-Suite-Lifecycle-Manager/8.2/vrealize-lifecycle-manager-8.2-installation-upgrade-and-management.pdf>

QUESTION 58

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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**.



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QUESTION 59 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: BC

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 60 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: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Administering/GUID-99D06124-13F8-489A-B43C-EAEC3F4FE582.html>

Starting and stopping vRealize Automation



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 Updated on 02/27/2020

Selected product version:

vRealize Automation 8.0 ▾

Observe the proper procedures when starting or shutting down vRealize Automation.

Shut down vRealize Automation

To preserve data integrity, shut down the vRealize Automation services before powering off the virtual appliances.

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QUESTION 61

An administrator needs to create a custom form for a cloud template that has just been created. One of the form input fields needs to be a drop-down that is populated through an external source.

Which vRealize Automation service must the administrator use to complete this task? (Choose the best answer.)

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.4/Using-and-Managing-Service-Broker/GUID-7ED61233-1167-4BD6-AEAA-0F7F9F9C6BD9.html>

QUESTION 62 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: CE

Section: (none)

Explanation

Explanation/Reference:

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

How do I manage the life cycle of a completed Cloud Assembly deployment



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Updated on 03/17/2021

After a deployment is provisioned and running, you have several actions that you can run to manage the deployment. The life cycle management can include powering on or off, resizing, and deleting a deployment. You can also run various actions on individual components to manage them.

Procedure

1. Click **Deployments** and locate your deployment.
2. To access the deployment details, click the deployment name.

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QUESTION 63

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: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.5/Using-and-Managing-CodeStream/GUID-9244DC3B-D039-4E38-8AAF-FB50250FC171.html>

QUESTION 64 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: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/8.0/Using-and-Managing-Cloud-Assembly/GUID-6667AA70-169A-4E03-A377-B2B4533910D4.html> **QUESTION 65** 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: (none)

Explanation

Explanation/Reference:

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.

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QUESTION 66

Which vRealize Suite product helps an administrator understand the monetary impact of deployments and manage costs in vRealize Automation? (Choose the best answer.)

- A. vRealize Suite Lifecycle Manager
- B. vRealize Network Insight
- C. vRealize OperationsD. vRealize Log Insight

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Operations-Manager/7.5/com.vmware.vcom.config.doc/GUID-9D162B8A-FBF8-4713-901C-6E3A1A5B7AEA.html> **QUESTION 67** 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: (none)

Explanation

Explanation/Reference:

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	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");