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Vendor:VMware

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Exam Name:VMware Certified Advanced Professional
7 - Cloud Management and Automation Design Exam

Version:Demo

QUESTION 1

Which design would allow for an infrastructure team to authorize all snapshots taken by vRealize Automation users?

- Design an approval policy for the Policy Type: Service Catalog - Resource Action Request - Create Snapshot - Virtual Machine.
- Ensure that the Approval Required = Any and that it is assigned to the infrastructure team.

- Design a custom XaaS workflow and add it to the provisioning blueprint.
- Configure the XaaS workflow to notify the infrastructure team on any 'Create Snapshot - Virtual Machine' request. The workflow waits for user input prior to running the Create Snapshot workflow.

- Design an Event Broker subscription that triggers on a 'Create Snapshot - Virtual Machine' event type.
- Configure the Event Broker workflow to send an email to the infrastructure team for notification before running a Create Snapshot workflow.

- Design an approval policy for the Policy Type: Service Catalog - Catalog Item Requests - Create Snapshot - Virtual Machine.
- Ensure that the Approval Required = All and that it is assigned to the infrastructure team.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 2

An architect was tasked with providing a temporary vRealize Automation instance for a test environment that includes a single vRealize Automation appliance and an IaaS server that includes a SQL database instance. After testing is complete, the architect is tasked to convert the existing instance into a distributed, load-balanced instance to be used for production. Which design solution would best address this request?

- A.
 - Deploy a load balancer that routes appropriate traffic to the existing instance.
 - Deploy additional vRealize Automation appliances and join them to the existing machine to create a cluster.
 - Deploy additional IaaS servers for Web, Manager, DEM workers and Agents.
- B.
 - Deploy additional vRealize Automation appliances and join them to the existing machine to create a cluster.
 - Deploy additional IaaS servers for Web, Manager, DEM workers, and Agents.
 - Add the additional IaaS servers from the cluster tab under the vRealize Automation management page.
- C.
 - Deploy a new distributed load-balanced vRealize Automation environment.
 - Configure directories and groups the same as for the proof-of-concept instance.
 - Import the test-managed machines into the new instance using migration.
- D.
 - Deploy a new distributed load-balanced vRealize Automation environment.
 - Configure directories and groups the same as for the proof-of-concept instance.
 - Import the test-managed machines into the new instance using bulk import.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 3

A financial services company has mandated that all IP and DNS entries be allocated from an existing thirdparty IPAM solution. Also, for auditing purposes, all systems must handle user authentication via the existing open source LDAP directory.

When considering a logical design for this scenario, which is true about the dependency relationships of these systems?

A. The LDAP system is an upstream dependency and the IPAM system is a downstream dependency of vRealize Automation.

B. The LDAP system is an upstream dependency and the LDAP system is a downstream dependency of vRealize Automation.

C. Both the IPAM and LDAP systems are external, upstream dependencies of vRealize Automation.

D. Both the IPAM and LDAP systems are external, downstream dependencies of vRealize Automation.

Correct Answer: B

QUESTION 4

An architect is tasked with designing a solution for a database as a service (DBaaS) for SQL Server in a vRealize Automation (vRA) private cloud. The following requirements have been identified:

1.

The SQL server user accounts and passwords should be obtained dynamically from third-party account and password management systems before the SQL server installation starts during pre-install script execution.

2.

The account and password management systems only provide integration using PowerShell .

3.

After the pre-install script execution, system reboot is required.

4.

Corporate security does NOT want passwords exposed during automation steps.

Which design solution meets these requirements?

A. Develop a solution using two vRealize Orchestrator workflows, execute obtain accounts/passwords workflow at a

PRE BuildingMachine Event Broker state and install SQL server workflow at a POST Machine Provisioned Event Broker state.

B. Develop a solution using vRealize Automation software components with component dependencies.

C. Develop a solution using Resource Actions and execute them as day two operations after virtual machines are provisioned.

D. Develop a solution using a vRealize Orchestrator workflow with PowerShell and execute it at a POST MachineProvisioned Event Broker state.

Correct Answer: A

QUESTION 5

The development team has decided to move its 12-node application into its vRealize Automation environment.

There are several teams of developers all working on the same application, so the traffic needs to be separated from the other teams.

Since the application has no dependencies outside of itself, what could be done to address the needs of this scenario?

A. Create a separate logical network and add it to the development reservation.

B. Create a new NSX routed network using a /28 netmask and add it to the development reservation.

C. Create an NSX One-To-One NAT network and add it to the development reservation.

D. Create an NSX One-To-Many NAT network and enable the DHCP feature and add it to the development reservation.

Correct Answer: D

QUESTION 6

During requirements gathering for an organization's private cloud on a single machine catalog, the following requirements were identified:

A user should be able to select a data center location which is mapped to a custom resource by the fabric administrator.

A Guest VM custom hostname format should be based on the first two letters of the data center location.

A generated VM custom hostname format should be displayed as a drop-down in the catalog request page using a vRealize Automation (vRA) custom property backed by external vRealize Orchestrator (vRO) action.

Which design recommendation would best address these requirements?

A. Define a custom property "_vm.DataCenter.Location" with static datacenter values, assign it to the blueprint with the "Show in the request" check box selected and map it as an input to the required vRO action.

B. Define a custom property "Vrm.DataCenter.Location" with static datacenter values, assign it to the blueprint with the "Show in the request" check box selected and map it as an input to the required vRO action.

C. Enable "Display location on request" in the blueprint's VM machine type, map the built-in "Vrm.DataCenter.Location" custom property as an input to the required vRO action.

D. No new custom property is required since the fabric administrator has already mapped datacenter locations to the correct compute resources. Map the built-in "_vrm.DataCenter.Location" custom property as an input to the required vRO action.

Correct Answer: C

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.5/com.vmware.vrA.prepare.use.doc/GUIDFA2ED665-4973-435C-A93B-8E4EAB5D1F8A.html>

QUESTION 7

The security team at a company wants to allow architects to leverage existing and on-demand security components for their vSphere environment. What are the minimum infrastructure components and/or extensibility add-ons required to achieve this goal?

A. One vSphere and one NSX endpoint, plus the NSX plug-in for the vSphere Web Client.

B. One vSphere, one vRealize Orchestrator and one NSX endpoint.

C. One vSphere and one NSX endpoint, plus the ReST API plug-in for vRealize Orchestrator.

D. One vSphere and one vRealize Orchestrator endpoint, plus the NSX plug-in for vRealize Orchestrator.

Correct Answer: D

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.5/vrealize-automation-7.5-configuration.pdf>

QUESTION 8

An architect for a vRealize Automation (vRA) deployment project has met with the IT team and gathered the following requirements:

1.

Automated 30-day power off and archive

2.

Keep costs as low as possible

3.

Utilize built-in functionality

4.

One click storage provisioning

5.

API calls to vRA and NSX

6.

Custom Portal

To which infrastructure quality does the One-click storage provisioning technical requirement map?

- A. Security
- B. Recoverability
- C. Performance
- D. Manageability
- E. Availability

Correct Answer: D

QUESTION 9

An architect is tasked with designing a backup strategy for vRealize Orchestrator as part of an upcoming production rollout of a Cloud Management Platform. Which are two valid backup design recommendations? (Choose two.)

- A. If vRealize Orchestration is embedded within the vRealize Automation appliance, perform its backup along with Manager Services for vRealize Automation.
- B. Perform backup of vRealize Orchestrator virtual machines in the order of the startup priority.
- C. If vRealize Orchestrator is a standalone component, perform its backup before backing up vRealize Automation components in no particular order.
- D. Perform file-level backup of the Orchestrator database only after a successful full virtual machine backup.

Correct Answer: CD

Reference: <https://pubs.vmware.com/vrealize-suite-60/index.jsp?topic=%2Fcom.vmware.vrsuite6.0.backuprestore.doc%2FGUID-87A2DCE2-D8DB-4077-8FC2-8EAFB9AB46A5.html>

QUESTION 10

An architect is tasked with designing a solution to satisfy the following requirements for vSphere Machine provisioning:

All business groups share the same vCenter template.

Based on the user selected application name, a corresponding vCenter customization specification should be selected. If no match is found, the business group's default customization specification should be used.

Which two solutions could meet these requirements?

- A.
 - 1. Define CloneSpec custom property in the Business Group
 - 2. If available, dynamically set __clonespec custom property at an appropriate Event Broker state, based on user selected application name
- B.
 - 1. Define __donespec custom property in the Business Group specific Reservation
 - 2. Overwrite __clonespec custom property using application specific property group
- C.
 - 1. Define CloneSpec custom property in the Business Group
 - 2. Overwrite CloneSpec custom property in the application specific blueprint
- D.
 - 1. Define CloneSpec custom property in the Business Group specific Reservation
 - 2. Overwrite CloneSpec custom property in the application specific blueprint

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 11

A company is in the process of finalizing its cross-team requirements for its Cloud Management Platform design. The Cloud Infrastructure team has indicated that it would like a way to interact with the platform programmatically. After some research, the decision is made to use vRealize CloudClient. What are three use cases for using the selected command-line utility? (Choose three.)

- A. Browse the catalog and submit a request.
- B. Execute a workload reclamation request.
- C. Import and export blueprints and other content to a human-readable format.
- D. Update DNS on the vRealize Automation appliance.
- E. Execute vRealize Orchestrator workflows.

Correct Answer: ACE

Reference <https://code.vmware.com/tool/cloudclient/4.5.0>

QUESTION 12

A company is currently reviewing all of its security roles and permissions due to a compliance audit.

It needs to specify which roles are tenant-specific and which are system-wide.

Which two roles are system-wide? (Choose two.)

- A. Services architect

B. Approval administrator

C. IaaS administrator

D. Fabric administrator

E. Application architect

F. System administrator

Correct Answer: CF

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.3/com.vmware.vrA.prepare.use.doc/GUID-8A19697C-AECA-4E19-9E46-765898C0D153.html>