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

VMware 3V0-732

Version Demo

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QUESTION NO: 1 - (DRAG DROP)

DRAG DROP

The lead architect for a teaching hospital in Seattle is planning the deployment of a highlydistributed Cloud Management Platform based on VMware vRealize Automation. The design must include log aggregation and analytics for in-depth troubleshooting and analysis when issues arise and ensure a seamless experience for the operations teams.

- The organization must use vRealize Log Insight for log aggregation and analysis.
- The organization currently uses vRealize Operations for monitoring, alerting and capacity management.
- The design will use external vRealize Orchestrator Appliances.

Match the actions to the components. Some of the components may be associated with more than one action.

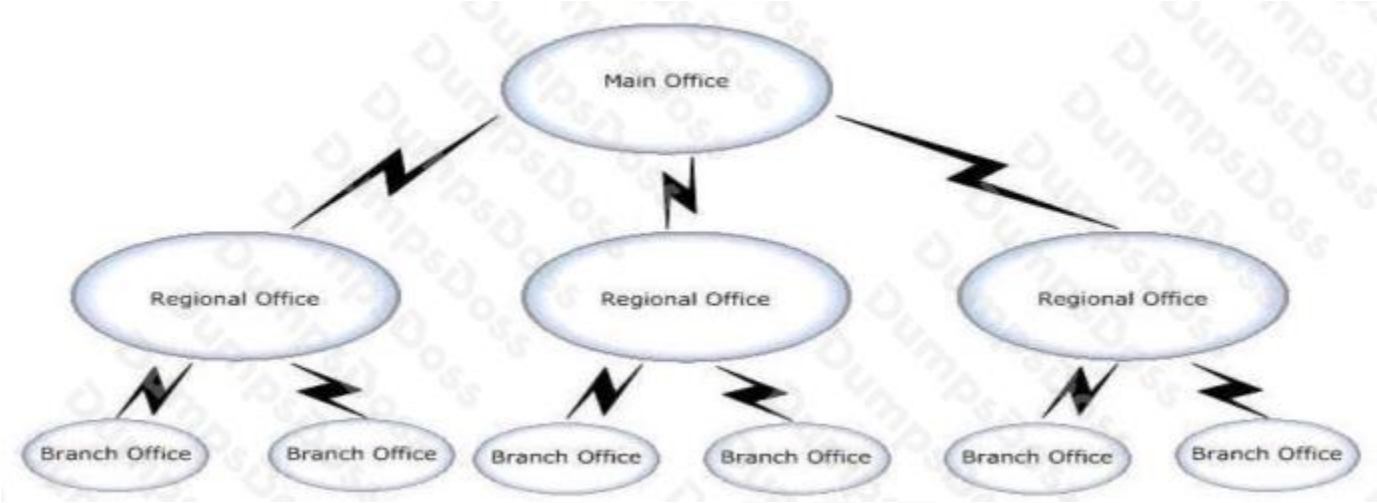
Select and Place:

ANSWER:

Explanation:

QUESTION NO: 2

A company has a main office, three regional offices, and six branches offices. The network links are configured as shown in the exhibit. View the Exhibit:



During information gathering, an architect records:

▪ The regional offices are located in secure bunkers. The CTO feels this would be a good location for all the vRealize Automation components to meet their BC/DR objectives. However, the CTO is looking for the best design while maintaining their very high security requirements. ▪ The branch offices are located in very remote locations with unpredictable network performance. Reliance on the main and regional offices needs to be minimal while still allowing provisioning of machines in the branch offices. The branch offices consist of three host vSphere clusters.

▪ There is synchronous vSphere Metro Storage Cluster (vMSC) between the regional offices as well as replicated backups between the regional offices with replication running nightly. The CEO wants to have the lowest possible RPO and RTO of the vRealize portal including the ability to manage already provisioned machines while NOT increasing the amount of data being replicated between the regional offices as much as possible.

Referring to the exhibit, which two design specifications can the architect recommend to meet requirements? (Choose two.)

A. distributed vRealize Automation management solution in the main office

B. vSphere agents in each of the branch offices

C. distributed vRealize Automation management solution in each of the regional offices

D. distributed vRealize Automation management solution across the regional offices

E. vSphere agents in the regional offices that manage the regional and branch offices

ANSWER: D E

QUESTION NO: 3

A cloud architect is tasked with providing a design for integration with a third-party system.

The following requirements have been identified:

- When a user requests a virtual machine, vRealize Automation should pass the user selected application name with its key to the third-party system.
- The application list could be updated weekly following the architecture approval meeting. It currently has 250 items.
- Impacts to the vRealize Automation virtual machine request screen's performance should be minimized.

What would be the best solution to meet these requirements?

A. Create a vRO action to return application values as "Array\String" by reading from the thirdparty system dynamically, Create a display drop-down custom property with external values and map it to the vRO action.

B. Design a schedule vRealize Orchestrator (vRO) workflow to read values from the third-party system and store in vRO, Create a vRO action to return application values stored in vRO as "Properties", Create a Display drop-down custom property with external values and map it to the vRO action.

C. Create a Display drop-down custom property with external values and provide AJAX call information to the third-party system.

D. Design a schedule vRO workflow to read values from the third-party and store in vRO, Create a vRO action to return application values stored in vRO as "Array\String", Create a Display drop-down custom property with external values and map it to the vRO action.

ANSWER: B

QUESTION NO: 4

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.

ANSWER: D

Explanation:

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

QUESTION NO: 5

The architect for a software defined data center (SDDC) project is implementing a vRealize Automation solution. The company has multiple locations but wants management to be centralized in its main offices. Each of the cities needs to have its own roles to ensure resources, create blueprints and perform daily functions.

Which design recommendation would meet the requirements of this scenario?

A. Create a single business group and separate the users from the various cities using entitlements.

B. Create a single tenant for all of the cities and separate the users from the various cities using entitlements.

C. Create a business group for each of the cities and create a single tenant for all of the cities.

D. Create a tenant for each of the cities and create a single business group for all of the cities.

ANSWER: D

QUESTION NO: 6

An architect has been asked to design a machine blueprint for the development team. The machine(s) of each deployment must contain dynamically-assigned unique IP's that could be reached by the resources on the corporate network.

Which type of network should the architect recommend for this blueprint?

A. On-Demand NAT Network

B. Existing Network

C. On-Demand Routed Network

D. On-Demand Load Balancer

ANSWER: A

QUESTION NO: 7

A company has recently implemented a DevOps strategy amongst the development and operations teams. In the second phase of the project, it needs to apply the same best practices of version control, unit testing, and continuous delivery to its vSphere infrastructure.

Considering the scenario, which two statements are true regarding the solution? (Choose two.)

A. Content changes for the infrastructure generally flow from development to multiple test and production environments and are often developed separately by different team members and then merged into a shared environment.

B. Infrastructure content is usually binary, and this makes it difficult to use a source control system to handle updates and merges. A different tool must be used to manage these requirements.

C. Multiple steps of imports and exports of infrastructure contents are required for a single change to propagate through the release pipeline from development to production.

D. Once the movement of such content between environments is automated, consistent results are guaranteed for the deployment of infrastructure components.

ANSWER: A C

Explanation:

Reference: https://www.vmware.com/files/pdf/products/vrealize/vmware-vrealize-code-streammanagement-solution-brief.pdf

QUESTION NO: 8

An architect has been tasked with designing a blueprint containing web, application and database machines utilizing NSX for networking.

Upon provisioning, network traffic must be automatically restricted to allow:

- The web server to communicate only to the application server
- The application server to communicate to both the web and database servers
- The database server to be blocked from communicating to the other servers

Which two methods could the architect use to accomplish this? (Choose two.)

A. Assign an appropriate security group to the entitled items or entitled service within the entitlement.

B. Add an appropriate security group to the blueprint from within the blueprint properties, under NSX Settings.

C. Create or update an appropriate security group within NSX to include the provisioned machines.

D. Specify an appropriate security group in the blueprint and assign it to each machine.

E. Use an Event Broker subscription to ensure that provisioned machines are receiving the appropriate security group assignment.

ANSWER: C D

QUESTION NO: 9

Which two statements are true regarding a vRealize Automation appliance configured for high availability? (Choose two.)

A. The vRealize Automation appliance supports active-active high availability for all components except the appliance database.

B. The appliance database is automatically clustered within the vRealize Automation appliance and failover is a manual operation.

C. The vRealize Automation appliance supports active-active high availability for all components including the appliance database.

D. Since the appliance database is automatically clustered within the vRealize Automation appliance, failover is an automated operation.

ANSWER: A D

Explanation:

Reference https://docs.vmware.com/en/vRealize-Automation/7.4/

com.vmware.vra.install.upgrade.doc/GUID-71F3A54E-F054-4255-9F7A-E58774B81D95.html

QUESTION NO: 10

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 "_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.

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.

ANSWER: C

Explanation:

Reference: https://docs.vmware.com/en/vRealize-Automation/7.5/

com.vmware.vra.prepare.use.doc/GUID-FA2ED665-4973-435C-A93B-8E4EAB5D1F8A.html