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3V0-732

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

Exam A

QUESTION 1

Which two-factor authentication mechanism is supported by vRealize Automation?

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- A. Mobile SSO (Secure Sign-On) authentication
- B. AirWatch Cloud Connector authentication
- C. Certificate-based authentication
- D. RADIUS (Remote Authentication Dial-In User Service) authentication

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 2

The tenant administrator for a company's vRealize Automation deployment is asked to create a profile for a user that should be able to assemble the blueprints that define catalog items for consumers to request from the service catalog.

Which tenant role should this user be granted?

- A. Fabric administrator
- B. Catalog architect
- C. Blueprint administrator
- D. Application architect

Correct Answer: D

Section: (none)

Explanation

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Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.3/com.vmware.vra.prepare.use.doc/GUID-135436AC-CF31-44A1-A358-61D2B68183AE.html>

QUESTION 3

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 “_vm.DataCenter.Location” custom property as an input to the required vRO action.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.5/com.vmware.vra.prepare.use.doc/GUID-FA2ED665-4973-435C-A93B-8E4EAB5D1F8A.html>

QUESTION 4

A cloud architect is trying to determine the operational impacts of adding another business group (DevOps) to the company's existing vRealize Automation (vRA) deployment. Existing users have reported that response times for login into their vRA infrastructure has spiked recently and it is taking longer than usual. The Active Directory user base, after the addition of DevOps users, could increase to well over 100,000 users and 50 groups.

What is the VMware-recommended design to address this scenario?

- A. Add an additional connector to the existing Active Directory.
- B. Add an additional IaaS proxy agent.

- C. Add an additional IaaS DEM server.
- D. Change the default access policy when adding the additional user base.
- E. Increase the vRA virtual appliance memory allocation on each machine as per sizing guidelines.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A cloud architect is tasked with designing a Guest virtual machine (VM) request form for an organization's new vRealize Automation (vRA) implementation. Its current PowerCLI VM request tool uses a PowerShell script that retrieves user IDs from Active Directory, which is the same identity source for vRealize Automation.

The intent of the script is to retrieve and display John Smith when the actual value in Active Directory is JSmith01.

What is the most secure way to utilize the same script for user's display name in the vRA request form?

- A. Design a schedule vRealize Orchestrator workflow to execute the PowerShell Script and update the vRealize Automation drop-down custom property with static values.
- B. Design a schedule vRealize Orchestrator (vRO) workflow to execute the PowerShell Script and store values in vRO, then utilize the vRA external drop-down to retrieve these values from vRO.
- C. Design a display custom property in the vRA 'Administration/Active Directory Policy' that maps to the correct organizational unit.
- D. Create a drop-down custom property with external values that returns a display name using the existing PowerShell script.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

A company is currently experiencing long infrastructure provisioning times, given that the process to ask, review, approve and deploy their services is manual with many people involved. It is considering vRealize Automation as a resolution, but it wants to better understand how much resources it is going to need. Which three should the architect consider when determining the appropriate vRealize Automation deployment size for this environment? (Choose three.)

- A. number of managed machines
- B. number of concurrent machine provisions
- C. number of catalog items
- D. number of blueprints
- E. number of endpoints

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

An architect has been tasked with designing a vRealize Automation blueprint that includes Linux machines. The design includes a requirement that all newlycreated machines be added to the corporate DNS.

Which two design specifications will address the needs of this scenario?

- A. Use custom properties on each machine within the blueprint that provides the details for adding the machine to the corporate DNS.
- B. Create an Event Broker subscription that runs an appropriate vRealize Orchestrator workflow during an appropriate machine lifecycle state.
- C. Add and configure the appropriate XaaS component into the machine blueprint.



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- D. Create an XaaS blueprint that adds the machine to DNS and then builds the machine.

Correct Answer: AC

Section: (none)

Explanation

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Explanation/Reference:

QUESTION 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.

Correct Answer: CD

Section: (none)

Explanation



Explanation/Reference:

QUESTION 9

IT Services would like to automate the allocation of software applications. The company uses a modern virtual desktop platform with software management capabilities, and the platform supports interoperability via a REST API.

The following requirements have been established for this project:

- Business users will use a self-service portal to request software added to their existing system.
- The requestor may select one or more software applications from a list during the request.
- The software application list must be up-to-date.
- The virtual desktop team will provide REST API calls needed to interface with the existing platform.

Which three of these listed elements are required for this scenario? (Choose three.)

- A. Customization of XaaS form

- B. vRealize Orchestrator workflow with script action
- C. Resource mapping
- D. Resource action
- E. External value definition

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

An architect is tasked with designing a multi-region Software Defined Data Center (SDDC) deployment. The operations team has mandated that the solution enable real-time logging for all automation components. The architect makes a design decision to use a vRealize Log Insight cluster in each region, consisting of a total of three nodes.

Which three data sources are required to be in scope? (Choose three.)

- A. vRealize Automation Appliance
- B. NSX Manager, NSX Controller instances and NSX Edge instances
- C. vRealize Operations Manager
- D. vRealize Orchestrator
- E. vRealize IaaS Server

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

An emerging software start-up company is growing rapidly. The Engineering department is looking to quickly scale its testing environment into the cloud.

The vRealize Automation architect has been tasked with recommending the appropriate user role for a newly-formed integration team to integrate VMware vCloud Air into the Engineering Tenant.

What is the minimum user role that must be granted to the integration team?

- A. Container Administrator
- B. Fabric Administrator
- C. Tenant Administrator
- D. IaaS Administrator

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

A company has deployed vRealize Automation into its production environment and now wants to integrate it with different components of its infrastructure through the REST API.

What are three services provided by the REST API? (Choose three.)

- A. Blueprint Service
- B. Forms Service
- C. Monitoring Service
- D. Portal Service
- E. Approval Service



Correct Answer: CDE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.2/com.vmware.vra.programming.doc/GUID-FBF2B82A-F5F3-43DC-A2FA-66BCF3C79EC3.html>

QUESTION 13

A company has a service called Databases with a MySQL and a PostgreSQL catalog item within it. The architect has created a new blueprint for MS SQL Server and added the published catalog item to the Databases service. Management has requested that the MS SQL Server catalog item be available only to the Enterprise business group. Currently, the Developers business group has access to the entire Databases service with the existing MySQL and PostgreSQL catalog items.

Which two should the architect recommend to reconfigure Developers and Enterprise entitlements to meet these requirements? (Choose two.)

- A. Edit the Enterprise entitlement and add the MS SQL Server catalog item.
- B. Edit the Enterprise entitlement and add the Databases service and the MS SQL Server catalog item.
- C. Edit the Developers entitlement and remove the Databases service and add the MySQL and PostgreSQL catalog items individually.
- D. Edit the Developers entitlement and add the MySQL and PostgreSQL catalog items individually.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

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.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/files/pdf/products/vrealize/vmware-vrealize-code-stream-management-solution-brief.pdf>

QUESTION 16

The architect for a vRealize Automation project has met with the IT team and identified the following requirements:

1. Fine grained logging and monitoring of all events
2. VMs have to be available within 5 minutes of request
3. Utilize built-in functionality
4. HIPAA Compliance
5. API calls to vRA and NSX
6. Custom Portal

To which infrastructure quality would the 'VMs have to be available within 5 minutes of request' requirement map?



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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 18

A cloud architect is tasked with designing a solution for guest virtual machine backup system integration for an organization's vRealize Automation (vRA) private cloud. During requirements gathering, the backup system vendor confirmed that REST API methods are available for the following:

- Install and configure backup agent

- Initiate incremental backup
- Initiate full system backup
- Uninstall backup agent and remove number of nodes from license node count

Only authorized users should initiate full system backups

Which design solution addresses this scenario?

- A. Execute backup system REST APIs using vRA custom properties.
- B. Execute backup system REST APIs using vRA software components.

- C. Execute backup system REST APIs using vRealize Orchestrator workflows at appropriate vRA lifecycle state/event.
- D. Execute backup system REST APIs using a third-party configuration management solution.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

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?

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

1. Define __clonespec custom property in the Business Group specific Reservation
2. Overwrite __clonespec custom property using application specific property group

1. Define CloneSpec custom property in the Business Group
2. Overwrite CloneSpec custom property in the application specific blueprint

1. Define CloneSpec custom property in the Business Group specific Reservation
2. Overwrite CloneSpec custom property in the application specific blueprint

A.

B.

C.

D.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

A large non-profit organization is working to automate deployment of servers and software. For one popular software package, the organization owns a limited number of instance licenses which must be tracked per deployment. Currently this is a manual process, involving an operator updating a SQL database of licensing information.

The cloud architect has already designed a software component and blueprint capable of deploying the software.

Which design meets the requirements of this scenario?

- A. Publish the blueprint as a catalog item with a quota configured to limit the number of deployments.
- B. Publish the blueprint as a catalog item with the appropriate custom property.
- C. Design an approval policy using event subscription.
- D. Design an approval policy using the “Required based on conditions” option to validate against the SQL database.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A company has the full VMware software-defined data center (SDDC) stack deployed and is now considering Amazon Web Services (EC2). The vRealize Automation (vRA) architect needs to integrate an Amazon test account to perform testing.

What should the architect do to move forward with the initiative?

- A. Create an Openstack endpoint and connect it to Amazon's cloud.
- B. Create an Amazon EC2 endpoint.
- C. Deploy a vCenter server appliance in Amazon AWS and connect it as an endpoint to vRealize Automation.
- D. Use the vRealize Orchestrator Plug-in for Amazon Web Services (AWS).

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which three privileges are assigned to a fabric administrator in a vRealize Automation solution? (Choose three.)

- A. create reservations for any tenant that uses their fabric group
- B. manage property groups and machine prefixes and the property dictionary that are used across all tenants and business groups
- C. define cost profiles for compute resources of their fabric group
- D. manage physical machines and compute resources assigned to the fabric group
- E. create and manage the reservations and policies associated with the physical resources for their fabric group

Correct Answer: BCE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Automation/7.3/com.vmware.vra.prepare.use.doc/GUID-135436AC-CF31-44A1-A358-61D2B68183AE.html>

QUESTION 23

A bank has requested assistance with developing a backup design for its vRealize Automation platform. They would like system backups to be crash-consistent in the event of an outage.

What are three guidelines that should be followed when planning these backups? (Choose three.)

- A. Minimize the number of active transactions before beginning a backup. Plan a regular backup for when the system is least active.
- B. For non-virtual workloads, back up installation directories as required.

- C. When backing up the complete system, back up all instances of the vRealize Automation appliance and databases as close to each other as possible, preferably within seconds.
- D. Create a backup of instances of the vRealize Automation appliance and the IaaS components when updating certificates.
- E. When backing up the complete system, back up all instances of the vRealize Automation appliance one at a time to preserve availability.

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vrealize-suite-60/index.jsp?topic=%2Fcom.vmware.vrsuite6.0.backuprestore.doc%2FGUID-0A3155DA-F2FF-4756-8F972F45BAEB5287.html>



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