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VMware vSphere 8.x Professional

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QUESTION 1

Following a merger with another company, an administrator is tasked with configuring an identity source for VMware vCenter so that all vSphere administrators can authenticate using their existing Active Directory accounts. Each company

has user accounts in their own Active Directory forests.

The following additional information has been provided:

The corporate policy states that only Windows-based machine accounts are allowed in Active Directory.

Which action should the administrator take to configure vCenter Single Sign-On (SSO) to meet this requirement?

- A. Configure SSO to use Active Directory over LDAP as the identity source.
- B. Configure SSO to use OpenLDAP as the identity source.
- C. Join the vCenter Server Appliance to the LDAP domain.
- D. Configure SSO to use Active Directory (Integrated Windows Authentication) as the identity source.

Correct Answer: A

Explanation: Integrated Windows Authentication is now depreciated (from v7). "The Active Directory over LDAP identity source is preferred over the Active Directory (Integrated Windows Authentication) option." <https://kb.vmware.com/s/article/78506>

QUESTION 2

When configuring vCenter High Availability (HA), which two statements are true regarding the active, passive, and witness nodes? (Choose two.)

- A. Network latency must be less than 10 milliseconds.
- B. They must have a supported Wide Area Network (WAN).
- C. They must have a minimum of a 10 Gbps network adapter
- D. They must have a minimum of a 1 Gbps network adapter.
- E. Network latency must be more than 10 milliseconds.

Correct Answer: AD

Explanation: When configuring vCenter High Availability (HA), two of the requirements for the active, passive, and witness nodes are that network latency must be less than 10 milliseconds, which ensures reliable communication between them; and they must have a minimum of a 1 Gbps network adapter, which provides sufficient bandwidth for data replication.

References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-F01B2F12-C5BB-4C5C-B468-F3C70CA43635.html>

QUESTION 3

An administrator is investigating reports of users experiencing difficulties logging into a VMware vCenter instance using LDAP accounts. Which service should the administrator check as part of troubleshooting?

- A. vSphere Authentication Proxy Service
- B. Lookup Service
- C. Identity Management Service
- D. VMware Authentication Framework Daemon

Correct Answer: C

Explanation: Identity Management Service is the service that handles authentication requests from LDAP accounts and other identity sources in vCenter Server. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-FE1D5F2E-E3AC-4DCC-BFB8-D2DD31FF9DCF.html>

QUESTION 4

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The current configuration is using an external Platform Services Controller. Which two statements are true regarding this upgrade? (Choose two.)

- A. The external Platform Services Controller needs to be converged into an embedded vCenter Server Appliance.
- B. The external Platform Services Controller needs to be decommissioned following the deployment of the new vCenter Server Appliance.
- C. The external Platform Services Controller backup can be restored to a new embedded vCenter Server Appliance.
- D. The external Platform Services Controller needs to be upgraded after the vCenter Server Appliance.
- E. The external Platform Services Controller needs to be powered down while a new vCenter Server Appliance is deployed.

Correct Answer: CE

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-ACCD2814-0F0A-4786-96C0-8C9BB57A4616.html>

QUESTION 5

What are two minimum disk requirements for a vSAN hybrid disk group configuration? (Choose two.)

- A. At least one magnetic data disk
- B. At least one SATADOM device

- C. At least two magnetic data disks
- D. At least one flash device
- E. At least two flash devices

Correct Answer: CD

Reference: https://www.vmware.com/resources/compatibility/vsan_profile.html

QUESTION 6

Which action is supported over a VMkernel vMotion TCP/IP stack? (Choose the best answer.)

- A. Hot migrations
- B. Fault tolerance protection
- C. Virtual machine cloning
- D. Snapshot creation

Correct Answer: B

QUESTION 7

An administrator is tasked with implementing a backup solution capable of backing up the Supervisor cluster, vSphere Pods, and persistent volumes.

Which two solutions must be used to meet this requirement? (Choose two.)

- A. VMware vCenter
- B. Standalone Velero and Restic
- C. NSX-T Manager
- D. vSphere Host Client
- E. Velero Plugin for vSphere

Correct Answer: BE

Explanation: <https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-9816E07A-466C-451D-A43B-D415B2FAB7D6.html>

QUESTION 8

An administrator is unable to manage certificates with the vSphere Client.

What is another supported option that can be used to manage certificates? (Choose the best answer.)

A. vCenter Server Management Interface

B. Command Line Interface

C. vRealize Operations Manager

D. Cloud Builder

Correct Answer: B

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.psc.doc/GUID-E0609A99-A8D1-4336-BD3B-DE707E261A63.html>

QUESTION 9

An administrator is tasked with configuring an appropriate Single Sign-On (SSO) solution for VMware vCenter based on the following criteria:

The solution should support the creation of Enhanced Link Mode groups.

All user accounts are stored within a single Active Directory domain and the solution must support only this Active Directory domain as the identity source.

All user account password and account lockout policies must be managed within the Active Directory domain.

The solution should support token-based authentication.

Which SSO solution should the administrator choose based on the criteria?

A. vCenter Identity Provider Federation with Active Directory Federation Services as the identity provider

B. vCenter Single Sign-On with Active Directory over LDAP as the identity source

C. vCenter Single Sign-On with Active Directory (Windows Integrated Authentication) as the identity source

D. vCenter Identity Provider Federation with Active Directory over LDAP as the identity provider

Correct Answer: A

Explanation: „ In vCenter Server Identity Provider Federation, vCenter Server uses the OpenID Connect (OIDC) protocol to receive an identity token that authenticates the user with vCenter Server." Integrated Windows Authentication is deprecated since vSphere 7.0 <https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.authentication.doc/GUID-157188E3-531C-4CC2-BDD4-8BF01EA26BDC.html>

QUESTION 10

An administrator plans to bring VMware vCenter offline in order to perform hardware maintenance on the host where the vCenter Server Appliance is running. Which vSphere feature must be configured to ensure that vCenter users experience minimal downtime?

A. vSphere Distributed Resource Scheduler

- B. Hybrid Linked Mode
- C. vCenter Server High Availability
- D. Enhanced Linked Mode

Correct Answer: C

Explanation: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-4A626993-A829-495C-9659-F64BA8B560BD.html>

QUESTION 11

An administrator wants to create virtual machine (VM) templates and store them in a content library. The administrator would like to use the content library to manage different versions of these templates so that reverting to an earlier version is an option.

How should the administrator create these templates?

- A. Select a VM in the vCenter inventory. Clone the VM to the content library as a VM template type.
- B. Select a VM template in the vCenter inventory. Clone the template to the content library.
- C. Export a VM in the vCenter inventory to an OVF template. Import the OVF template into the content library.
- D. Convert a VM to a template in the vCenter inventory. Clone the template to the content library.

Correct Answer: A

Explanation: Option A is correct because it allows the administrator to clone a VM to the content library as a VM template type, which can be used to create and manage different versions of these templates in the content library. Option B is incorrect because it requires the administrator to convert a VM to a template in the vCenter inventory first, which is an extra step. Option C is incorrect because it requires the administrator to export a VM to an OVF template and import it into the content library, which are extra steps. Option D is incorrect because it requires the administrator to convert a VM to a template in the vCenter inventory and clone it to the content library, which are extra steps.

References: https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-9F9E3F8C-0E2B-4B6A-8C5C-3F8E5F6B4E9D.html

QUESTION 12

An administrator has been notified that a number of hosts are not compliant with the company policy for time synchronization.

The relevant portion of the policy states:

All physical servers must synchronize time with an external time source that is accurate to the microsecond.

Which step should the administrator take to ensure compliance with the policy?

- A. Ensure that each vCenter Server Appliance is configured to use a Network Time Protocol (NTP) source.
- B. Ensure that each ESXi host is configured to use a Precision Time Protocol (PTP) source.

- C. Ensure that each ESXi host is configured to use a Network Time Protocol (NTP) source.
- D. Ensure that each vCenter Server Appliance is configured to use a Precision Time Protocol (PTP) source.

Correct Answer: B

Explanation: To comply with the policy of synchronizing time with an external source that is accurate to the microsecond, the administrator needs to ensure that each ESXi host is configured to use a PTP source, which provides higher accuracy than NTP. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-F7DF1DD3-E3FB-46EE-AEC5-D761FAA80F66.html>

QUESTION 13

Which step can an administrator take so that vSphere can access patch information if vCenter Server does NOT have Internet access? (Choose the best answer.)

- A. Use a Web server on the vCenter Server machine to automate the transfer of files.
- B. Install VMware vSphere Update Manager Download Service on a Windows server.
- C. Use an offline ISO file to import patches to the vSphere Lifecycle Manager depot manually.
- D. Install VMware vSphere Update Manager Download Service on a Linux server.

Correct Answer: D

QUESTION 14

An administrator is responsible for the management of a VMware vCenter instance that is currently experiencing performance issues. The administrator quickly identifies that the CPU and memory utilization of vCenter is consistently over 80% . Upon further analysis, it seems that the vpxd process is contributing significantly to the performance issue.

A combination of which four steps should the administrator take to resolve the performance issues and ensure that a similar issue can be rectified without requiring downtime to vCenter moving forward? (Choose four.)

- A. Gracefully shut down vCenter using the vSphere Client.
- B. Enable CPU Hot Add on the vCenter virtual machine.
- C. Power on the vCenter Server Appliance using the vSphere Host Client.
- D. Enable CPU and Memory Hot Add on the vCenter virtual machine.
- E. Add additional CPU to the vCenter Server Appliance.
- F. Power on the vCenter Server Appliance using the vSphere Client.
- G. Enable Memory Not Add on the vCenter virtual machine.
- H. Add additional memory resources to the vCenter Server Appliance.

Correct Answer: ACDE

References: <https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-8E7C1D6D-8E1E-4D6D-AE8E-4BDE49BCF64E.html> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-3B41119A-1276-404B-8BFB-A32409052449.html> https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-38F4D574-ADE7-4B80-AEAB-7EC503A7A3EA.html

QUESTION 15

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The environment consists of mounted NFS v3 datastores. The new design requires configuration of NFS v4.1 datastores. Which statement is true regarding this upgrade? (Choose the best answer.)

- A. The NFS v3 datastores can be unmounted and remounted using NFS v4.1.
- B. A new VMKernel port for NFS v4.1 needs to be created before the upgrade.
- C. Following first boot, NFS v3 datastores are automatically converted to NFS v4.1 by ESXi 7.0
- D. ESXi 7.0 does NOT support NFS v4.1.

Correct Answer: B

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