# Sample Questions – VCP6.5-DCV

**1.** The default datastore type for a 512n devices is ___.

a. VMFS-6

b. VMFS-5

c. NFS3

d. VSAN

**Correct Answer(s):**

b. VMFS-5

**ExamObjective:** 3.4 - Perform VMFS and NFS configurations and upgrades

**Exam Subobjective:** Perform VMFS v5 and v6 configurations

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure VMFS6 Datastore

**Explanation:** When you set up a datastore on a 512e storage device, VMFS6 is selected by default. For 512n storage devices, the default option is VMFS5, but you can select VMFS6.

**2.** In order to automatically detect degraded components and evacuate VMs from affected vSphere hosts before an incident causes a service interruption, you should ____.

a. Set HA Automation level to **Proactive**

b. Set HA Automation level to **Predictive**

c. Use Proactive HA

4. Use Predictive DRS

**Correct Answer(s):**

c. Use Proactive HA

**ExamObjective:** 9.1. - Configure vSphere HA Cluster Features

**Exam Subobjective:** Enable/disable vSphere HA setting

**Remediation Chapter:** Appendix E

**Remediation Heading:** Proactive HA

**Explanation:** Proactive HA integrates with select hardware partners to detect degraded components and evacuate VMs from affected vSphere hosts *before* an incident causes a service interruption.

**3.** Which of the following is not available in VCSA 6.5?

a. VMware Update Manager

b. native backup and restore

c. VMware Converter

d. native high availability

**Correct Answer(s):**

c. VMware Converter

**ExamObjective:** 4.3 – Perform vCenter Server Migration to VCSA

**Exam Subobjective:** Migrate to VCSA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Migrate to VCSA

**Explanation:** With vSphere 6.5, the VMware vCenter Server Appliance (VCSA) has surpassed the Windows installable version. It includes exclusive features such as, native high availability, native backup and restore, and VMware vSphere Update Manager as part of the applicance.

**4.** In vSphere 6.5, what is the default HA admission control configuration??

a. host failures cluster tolerates = 1, using cluster resource percentage

b. host failures cluster tolerates = 1, using slots

c. cluster percentage reserved = 25%

d. disabled

**Correct Answer(s):**

a. host failures cluster tolerates = 1, using cluster resource percentage

**ExamObjective:** 9.1 – Configure vSphere HA Cluster Features

**Exam Subobjective:** Apply an admission control policy for HA

**Remediation Chapter:** Appendix E

**Remediation Heading:** HA Admission Control

**Explanation:** In vSphere 6.5, the default admission control setting is changed to *Cluster Resource Percentage,*.

**5.** Which of the following is not required by the active vCenter HA node?

a. connectivity with the passive node

b. a quorum disk

c. connectivity with the witness node

d. embedded, replicated database

**Correct Answer(s):**

b. a quorum disk

**ExamObjective:** 9.2 – Configure vCenter Server Appliance (VCSA) HA

**Exam Subobjective:** Understand and describe the architecture of vCSA HA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Understand and describe the architecture of VCSA HA

**Explanation:** In vSphere 6.5, VCSA provides a native high availability solution that consists of active, passive, and witness nodes.   that are cloned from an existing vCenter Server instance. The three nodes communicate over a private vCenter HA network. The active node runs the active vCenter Server instance, replicates data to the passive node, and communicates with the witness node. The passive node constantly receives updates from the active node and automatically takes the role of the active node during a failover. The witness provides a quorum to protect against split-brain situations.

**6.** You want to restore a vCenter Server 6.5 Appliance from backup.  How do you begin?

a. In the vSphere Web Client inventory pane, right click the vCenter Server and choose **Restore**.

6. Use the vSphere Web Client to select **Administration** > **Restore vCenter Server**

c. Use the VAMI to choose **restore vCenter Server**.

d. Use the vCenter Server Appliance Installer to select **Restore**.

**Correct Answer(s):**

d. Use the vCenter Server Appliance Installer to select **Restore**.

**ExamObjective:** 6.1 – Configure and Administer vCenter Appliance Backup/Restore

**Exam Subobjective:** Configure VCSA File-Based Backup and Restore

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure VCSA File-Based Backup and Restore

**Explanation:** You can use a two-stage process to perform a restore operation using the same installer from which the vCenter Server Appliance or Platform Services Controller instance was originally deployed or upgraded. In the first stage, launch the installer and choose **Restore**.

**7.** In vSphere 6.5, what block size(s) are associated with VMFS6?

a.  The VMFS Block size is 1 MB.

b.  VMFS block size is 2 MB

c.  Small blocks 512 KB and large blocks 1 MB

d. 1 GB

**Correct Answer(s):**

d. Use the vCenter Server Appliance Installer to select **Restore**.

**ExamObjective:** 3.4 – Perform VMFS and NFS configurations and upgrades

**Exam Subobjective:** Perform VMFS v5 and v6 configurations

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  VMFS6

**Explanation:**   VMFS6 uses a 1MB block size.  VMFS6 in vSphere 6.5 uses Small File Blocks (SFBs) of 1 MB for thin provisioned disks and uses Large File Blocks (LFBs) of 512 MB for thick provisioned disks.

**8.** Which statement is not true about Predictive DRS?

a.  It requires DRS

b.  It requires vRealize Operations

c.  It requires vCenter 6.5

d.  It uses thresholds that are automatically calculated hourly

**Correct Answer(s):**

d.  It uses thresholds that are automatically calculated hourly.

**ExamObjective:** 5.2 – Configure vSphere DRS and Storage DRS Clusters

**Exam Subobjective:** Describe Predictive DRS

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Describe Predictive DRS

**Explanation:**   Nightly, vROps calculates dynamic thresholds, which are used to create forecasted metrics for the future utilization of VMs. The metrics are then passed to vSphere DRS to determine the best placement and balance of VMs before resource utilization spikes occur.

**9.** What is the maximum number of LUNs you can present to an ESXi 6.5 host?

a. 128

b. 256

c. 512

d. 2014

**Correct Answer(s):**

d.  512.

**ExamObjective:** 3.1 – Manage vSphere <u>Integration with Physical Storage</u>

**Exam Subobjective:** Discover new storage LUNs

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  LUN Scalability

**Explanation:**   ESXi hosts in vSphere 6.5support for 512 LUNs and 2,000 paths.

**10.** You migrate a Windows based vCenter Server 5.x SQL Server Express database to vCenter Server Appliance 6.5.  What is the database type?

a. PostGres

b. SQL Server Express

c. SQL Server

d. MySQL

**Correct Answer(s):**

a. PostGres.

**ExamObjective:** 4.3 – Perform vCenter Server Migration to VCSA

**Exam Subobjective:** Understand the Migration Paths to VCSA

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Understand the Migration Paths to VCSA

**Explanation:**   You can perform the migration whether the source vCenter Server uses an embedded or external database. In either case, the database is converted to an embedded PostgreSQL database on the VCSA.

**11.** In order to enable encrypted vMotion, which step should you take?

a.  Create a VMkernel port, enable it for vMotion, and select the **Encryption** checkbox.

b. In the cluster settings, select **Encrypted vMotion**

c. In the VM settings, choose an option in the **Encrypted vMotion** drop-down menu.

d. In the VM settings, select the **Encryption** checkbox

**Correct Answer(s):**

c. In the VM settings, choose an option in the **Encrypted vMotion** drop-down menu.

**ExamObjective:** 1.2 – Secure ESXi and vCenter Server

**Exam Subobjective:** Configure Encrypted vMotion

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure Encrypted vMotion

**Explanation:** Click **Encryption** and choose an option (Disabled, Opportunistic or Required) in the **Encrypted VMotion** drop-down menu.

**12.** Which privilege should be added to a custom role to enable a user to encrypt an existing virtual disk?

a. Cryptographic operations > Encrypt

b. Cryptographic operations >  Add disk

c. Cryptographic operations > Encrypt disk

d. Cryptographic operations > Update disk

**Correct Answer(s):**

a. Cryptographic operations > Encrypt.

**ExamObjective:** 1.4 – Secure vSphere Virtual Machines

**Exam Subobjective:** Enable/disable VM encryption

**Remediation Chapter:** Appendix E

**Remediation Heading:** Enable/Disable VM Encryption

**Explanation:** You can create a custom role that contains granular Cryptographic Operations privileges such as **Cryptographic operations > Encrypt** (allows a user to encrypt a virtual machine or virtual disk) and **Cryptographic operations > Add disk** (allows a user to add a disk to an encrypted virtual machine).

**13.** You want to encrypt a virtual machine.  Which of the following is not a prerequisite?

a. Create an encryption storage policy.

b. Power off the virtual machine.

c. Ensure that Security Profile > Encryption Mode is enabled on the ESXi host

d. Enable encryption on the cluster

**Correct Answer(s):**

d. Enable encryption on the cluster.

**ExamObjective:** 1.4 – Secure vSphere Virtual Machines

**Exam Subobjective:** Enable/disable VM encryption

**Remediation Chapter:** Appendix E

**Remediation Heading:** Enable/Disable VM Encryption

**Explanation:** Prerequisites: Establish a trusted connection with the KMS and select a default KMS, create an encryption storage policy, power off the virtual machine, ensure that **Security Profile > Encryption Mode** is enabled on the ESXi host, and ensure you have the required privilege (**Cryptographic operations > Encrypt new**).

**14.** You want to enable Secure Boot for a virtual machine. Which of the following is not a prerequisite?

a. VMware Tools 9.0 or higher

b. Virtual hardware version 13 or later

c. The gust OS supports UEFI Secure Boot

d. The virtual machine's **Boot Options** > **Firmware** is set to EFI.

**Correct Answer(s):**

a. VMware Tools 9.0 or higher.

**ExamObjective:** 1.4 – Secure vSphere Virtual Machines

**Exam Subobjective:** Describe VM Secure Boot

**Remediation Chapter:** Appendix E

**Remediation Heading:** Describe VM Secure Boot

**Explanation:** Prerequisites: The virtual machine's **Boot Options** > **Firmware** is set to **EFI.**, the virtual machine uses virtual hardware version 13 or later, the guest OS supports UEFI Secure Boot, and VMware Tools version 10.1 is installed.

**15.** You want to configure ERSPAN. Which port mirroring type should you implement?

a. Distributed port mirroring

b. Remote mirroring source

c. Remote mirroring destination

d. Encapsulated remote mirroring (L3) source.

**Correct Answer(s):**

d. Encapsulated remote mirroring (L3) source.

**ExamObjective:** 2.1 – Configure policies/features and verify vSphere networking

**Exam Subobjective:** Configure ERSPAN

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure ERSPAN

**Explanation:** Encapsulated Remote Switched Port Analyzer (ERSPAN) enables you to monitor traffic on multiple network interfaces or virtual local area networks (VLANs) and then send the monitored traffic to one or more destinations. To use ERSPAN in vSphere 6.5, create a port-mirroring session on the distributed virtual switch and set the type to Encapsulated Remote Mirroring (L3) source.

**16.** In vSphere 6.5, you need to create a custom TCP/IP stack. Which of the following steps should you take?

a. Select **TCP/IP configuration** and select a TCP/IP stack

b. Edit the VMkernel virtual adapter and select **Create TCP/IP stack**

c. Edit the distributed port group, select **Configure** > **Networking** > **Create TCP/IP stack**

d. Enter `esxcli network ip netstack add -N="stack_name"`.

**Correct Answer(s):**

d. Enter `esxcli network ip netstack add -N="stack_name"`.

**ExamObjective:** 2.1 – Configure policies/features and verify vSphere networking

**Exam Subobjective:** Create and Configure Custom TCP/IP Stacks

**Remediation Chapter:** Appendix E

**Remediation Heading:** Create and Configure Custom TCP/IP Stacks

**Explanation:** In vSphere 5.5 and later, you can create a custom TCP/IP stack using the following command: `esxcli network ip netstack add -N="stack_name"`.

**17.** Which of the following is not a setting related to creating a NetFlow?

a. IP address and port used by the NetFlow collector

b. Observation domain ID

c. Flow type

d. Sampling rate.

**Correct Answer(s):**

c. Flow type

**ExamObjective:** 2.1 – Configure policies/features and verify vSphere networking

**Exam Subobjective:** Configure NetFlow

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure NetFlow

**Explanation:** When editing the NetFlow settngs of a distributed virtual switch, you can set the collector's IP address, collector's Port, observation domain ID, switch IP address, timeouts, sampling rate, and internal flows only indicator.

**18.** In vSphere 6.5, you want to configure multiple ESXi hosts to share the same NFS 4.1 datastore using Kerberos. What steps should you take? (choose two)?

a. Use unique AD credentials for each ESXi host

b. Use the same AD credentials for each ESXi host

c. Configure NTP on each ESXi host

d. Use SSO domain credentials for each ESXi host, not AD credentials.

**Correct Answer(s):**

b. Use the same AD credentials for each ESXi host

c. Configure NTP on each ESXi host

**ExamObjective:** 3.1 – Manage vSphere Integration with Physical Storage

**Exam Subobjective:** Perform NFS v3 and v4.1 Configuration

**Remediation Chapter:** Appendix E

**Remediation Heading:** Perform NFS v3 and v4.1 Configuration

**Explanation:** When multiple ESXi hosts share the NFS 4.1 datastore, you must use the same Active Directory credentials for all hosts that access the shared datastore. You can automate the assignment process by setting the user in Host Profiles and applying the profile to all ESXi hosts. Configure the NTP settings on these hosts to ensure their time is properly synchronized.

**19.** In vSphere 6.5, what are the the the LUN and paths maximums?

a. Maximum number of LUNs is 512, maximum number of paths is 2000

b. Maximum number of LUNs is 512, maximum number of paths is 2048

c. Maximum number of LUNs is 500, maximum number of paths is 2048

d. Maximum number of LUNs is 256, maximum number of paths is 2000.

**Correct Answer(s):**

a. Maximum number of LUNs is 512, maximum number of paths is 2000

**ExamObjective:** 3.1 – Manage vSphere Integration with Physical Storage

**Exam Subobjective:** Discover new storage LUNs

**Remediation Chapter:** Appendix E

**Remediation Heading:** LUN Scalability

**Explanation:** In vSphere 6.5, these scenarios are addressed due to support for 512 LUNs and 2,000 paths.

**20.** In vSphere 6.5, the following statements are true? (choose 2)

a. A single vCenter Server can manage more than one VSAN cluster

b. A VSAN cluster can include an ESX host that does not contribute any capacity drives to the VSAN datastore

c. The minimum number of drives in an ESXi host in a VSAN cluster is one, which must be used as a cache drive.

d. The minimum number of drives in an ESXi host in a VSAN cluster is one, which must be used as a capacity drive.

**Correct Answer(s):**

a. A single vCenter Server can manage more than one VSAN cluster

b. A VSAN cluster can include an ESX host that does not contribute any capacity drives to the VSAN datastore

**ExamObjective:** 3.2 – Configure Software-Defined Storage

**Exam Subobjective:** Create a vSAN cluster

**Remediation Chapter:** Appendix E

**Remediation Heading:** VSAN

**Explanation:** If a host contributes capacity, it must have at least one flash cache device and one capacity device.

**21.** You want to configure VSAN 6.6. What step should you take?

a.  Configure at least 4 GB memory on each ESXi host

b.  Configure the controller for passthrough or RAID 1 mode

c.  Disable the controller cache or configure the controller cache to 100%

d.  Use vCenter Server 6.0 or later.

**Correct Answer(s):**

c.  Disable the controller cache or configure the controller cache to 100%


**ExamObjective:** 3.2 – Configure Software-Defined Storage

**Exam Subobjective:** Create a VSAN Cluster

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Create a VSAN Cluster

**Explanation:**   Prior to configuring the VSAN cluster, configure the controller for passthrough or RAID 0 mode and disable the controller cache and advanced features. Alternatively, set the controller cache to 100%.



**22.** You want to configure a VSAN 6.6 cluster with all flash storage.  You are unsuccessful.  What could be the root cause?  (choose 3)

a.  Although the license key is valid for VSAN usage, it does not support the all flash feature

b.  1 GbE is dedicated to VSAN

c.  10 GbE is dedicated to VSAN

d.  The license key capacity is less than the total size of the storage space

e.  The license key capacity is less than the total number of CPUs in the cluster.

**Correct Answer(s):**

a.  Although the license key is valid for VSAN usage, it does not support the all flash feature

b.  1 GbE is dedicated to VSAN

e.  The license key capacity is less than the total number of CPUs in the cluster

**ExamObjective:** 3.2 - Configure Software-Defined Storage

**Exam Subobjective:** Create a VSAN Cluster

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Create a VSAN Cluster

**Explanation:**   Use a valid VSAN license key that supports the features you require, such as all flash, stretched clusters, deduplication, and compression. Ensure the license capacity is equal to (or greater than) the total number of CPUs that participate in the VSAN cluster.  For all flash

configurations, ensure at least 10GbE is dedicated to VSAN.

**23.** You need to monitor VSAN.  Which of the following statements is true?

a.  You can create custom VSAN alarms, but you cannot modify VSAN default alarms

b.  You can create custom VSAN alarms and modify VSAN default alarms

c.  You cannot create custom VSAN alarms, but you can modify VSAN default alarms

d.  You cannot create custom VSAN alarms or modify VSAN default alarms.

**Correct Answer(s):**

a.  You can create custom VSAN alarms, but you cannot modify VSAN default alarms

**ExamObjective:** 3.2 - Configure Software-Defined Storage

**Exam Subobjective:** Monitor VSAN

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Monitor VSAN

**Explanation:**   You can examine the configuration of the VSAN default alarms and respond to these alarms whenever they are triggered. You cannot modify these alarms, but you can create custom VSAN alarms..

**24.** Which of the following events cannot trigger a VSAN resynchronization?  (choose 2)

a.  A vMotion migration

b.  A Storage vMotion migration

c.  A host failure

d.  A network failure

e.  Entering host maintenance mode.

**Correct Answer(s):**

a.  A vMotion migration

b.  A Storage vMotion migration

**ExamObjective:** 3.2 - Configure Software-Defined Storage

**Exam Subobjective:** Monitor VSAN

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Monitor VSAN

**Explanation:**  The following events can trigger resynchronization: changing a virtual machine storage policy, restarting a host after a failure, recovering hosts from a failure, evacuating data by using the full data migration mode before placing a host in maintenance mode, and exceeding the capacity threshold (80% by default) of a capacity device.

**25.** You want to use iSCSI to access your VSAN datastore.  Which of the following is true?

a.  You need to configure the iSCSI software adapter on the ESXi hosts that are not in the VSAN cluster

b.  You need to configure the iSCSI software adapter on each of the ESXi hosts in the VSAN cluster

c.  You need to configure the iSCSI software adapter on at least one ESXi host in the VSAN cluster

d.  You need to enable the vSAN iSCSI target service

**Correct Answer(s):**

d.  You need to enable the vSAN iSCSI target service

**ExamObjective:** 3.2 - Configure Software-Defined Storage

**Exam Subobjective:** Understand a VSAN iSCSI Target

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Understand a VSAN iSCSI Target

**Explanation:**   After you configure the vSAN iSCSI target service, you can discover the vSAN iSCSI targets from a remote host. To discover vSAN iSCSI targets, use the IP address of any host in the vSAN cluster and the TCP port of the iSCSI target.

**26.** Your VMFS datastore is limited to 2TB.  Which of the following could be the root cause?

a.  The maximum datastore size for VMFS6 is 2TB

b. The wrong datastore size was selected when creating the VMFS6 datastore

c. It is a VMFS5 datastore that was upgraded from VMFS3

d. It is a VMFS6 datastore that was upgraded from VMFS5

**Correct Answer(s):**

c. It is a VMFS5 datastore that was upgraded from VMFS3

**ExamObjective:** 3.4 - Perform VMFS and NFS configurations and upgrades

**Exam Subobjective:** Perform VMFS v5 and v6 configurations

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure VMFS6 Datastore

**Explanation:** Any new VMFS5 or VMFS6 datastore uses a GUID partition table (GPT) to format the storage device, which supports datastores larger than 2TB. If your VMFS5 datastore has been previously upgraded from VMFS3, it continues to use the master boot record (MBR) partition format, which limits the datastore size to 2TB.

**27.** Which version of VMware Tools is bundled with vSphere 6.5 for pre-Vista Windows VMs?

a. 10.1

b. 10.2

c. 10.0.11

d. 10.0.12

**Correct Answer(s):**

d. 10.0.12

**ExamObjective:** 4.1 – Perform ESXi Host and Virtual Machine Upgrades

**Exam Subobjective:** Upgrade VMware Tools

**Remediation Chapter:** Appendix E

**Remediation Heading:** VMware Tools

**Explanation:** Version 10.1 is bundled with vSphere 6.5 for Windows Vista and later. Version 10.0.12 is bundled with vSphere 6.5 for Windows pre-Vista.

**28.** Which VCSA 6.5 features that are not available in the Windows based vCenter Server? (Select three)

a. Migration Tool

b. Cross vCenter vMotion

c. Native high availability

d. Native vSphere Replication

e. Native vSphere Upgrade Manager

**Correct Answer(s):**

a. Migration Tool

c. Native high availability

e. Native vSphere Upgrade Manager

**ExamObjective:** 4.3 - Perform vCenter Server Migration to VCSA

**Exam Subobjective:** Migrate to VCSA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Migrate to VCSA

**Explanation:** In vSphere 6.5, VCSA includes the following exclusive features:: Migration Too, improved appliance management, native high availability, native backup and restore, and VMware vSphere Update Manager as part of the appliance

**29.** You want to migrate a Windows based vCenter Server to VCSA 6.5. Which of the following statements is true?

a. The vCenter Server must be version 6.0

b. The source vCenter Server must use an embedded database

c. The source vCenter Server must use an external database

d. You can use `sqlcmd` to clean up the source database

**Correct Answer(s):**

d. You can use sqlcmd to clean up the source database

**ExamObjective:** 4.3 – Perform vCenter Server migration to VCSA

**Exam Subobjective:** Understand the Migration Paths to VCSA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Understand the Migration Paths to VCSA

**Explanation:** You can migrate a Windows-based vCenter Server 5.5 or 6.0 to VCSA 6.5, regardless of whether the source vCenter Server deployment uses embedded or external single sign-on (SSO) 5.5 or embedded or external Platform Services Controller (PSC) 6.0. You can perform the migration whether the source vCenter Server uses an embedded or external database. In either case, the database is converted to an embedded PostgreSQL database on the VCSA

**30.** You want to migrate a Windows based vCenter Server to VCSA 6.5.  Which of the following is not an appropriate step?

a.  Run the Migration Assistant on your desktop

b.  Run the Migration Assistant on the source vCenter Server

c.  Deploy the OVA

d.  Connect to the source vCenter Server SSO and transfer data

**Correct Answer(s):**

a.  Run the Migration Assistant on your desktop

**ExamObjective:** 4.3 - Perform vCenter Server Migration to VCSA

**Exam Subobjective:** Understand the migration paths to VCSA

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  vCenter Migration Tool

**Explanation:**   Steps include: run the VMware Migration Assistant on the source Windows vCenter Server, deploy the OVA and transfer data, connect to the source vCenter Sever and transfer data.

**31.** You want to deploy a DRS cluster.  Which of the following is new in vSphere 6.5?

a.  VM distribution

b.  Memory metric for load balancing

c.  CPU over commitment

d.  Memory over commitment

**Correct Answer(s):**

d.  Memory over commitment

**ExamObjective:** 5.2 - Configure vSphere DRS and Storage DRS Clusters

**Exam Subobjective:** Differentiate Load-Balancing Policies

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Differentiate Load-Balancing Policies

**Explanation:**   In vSphere 6.5, DRS includes new options:  VM distribution, Memory metric for load balancing and CPU over commitment.

**32.** You want to configure Predictive DRS.  Which of the following steps are required?

a.  In the vSphere Web Client, select **True** in the **Provide data to vSphere Predictive DRS** drop-down menu.

b.  In the vROps GUI, select **True** in the **Provide data to vSphere Predictive DRS** drop-down menu.

c.  In the VAMI, select **True** in the **Provide data to vSphere Predictive DRS** drop-down menu.

d.  In the vSphere Web Client, enable **Predictive DRS** in the cluster settings

**Correct Answer(s):**

b.  In the vROps GUI, select **True** in the **Provide data to vSphere Predictive DRS** drop-down menu

**ExamObjective:** 5.2 - Configure vSphere DRS and Storage DRS Clusters

**Exam Subobjective:** Describe Predictive DRS

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Describe Predictive DRS

**Explanation:**   To configure Predictive DRS, use the vROps GUI to add a vCenter Server adapter instance, choose **Advanced Settings**, and select **True** in the **Provide data to vSphere Predictive DRS** drop-down menu.

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**33.** Which of the following is true concerning native backup and restore in vSphere 6.5?

a.  You can backup and restore VCSA and PSC appliances

b.  You can backup and restore VCSA, but not PSC appliances

c.  You can backup and restore both VCSA and Windows based vCenter.

d.  Two steps are required to first restore the VCSA, then restore its database

**Correct Answer(s):**

a.  You can backup and restore VCSA and PSC appliances

**ExamObjective:** 6.1 - Configure and Administer vCenter Appliance Backup/Restore

**Exam Subobjective:** Configure VCSA File-Based Backup and Restore

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Configure VCSA File-Based Backup and Restore

**Explanation:**   Native backup and restore for the vCenter Server Appliance is new in version 6.5. It enables users to back up vCenter Server and Platform Services Controller appliances directly from the vCenter Server Appliance Management Interface (VAMI) or API..

**34.** Which of the following is not a valid VCSA backup target?

a. NFS

b. SCP

c. HTTP and HTTPs

d. FTP and FTPS

**Correct Answer(s):**

a. NFS

**ExamObjective:** 6.1 - Configure and Administer vCenter Appliance Backup/Restore

**Exam Subobjective:** Configure VCSA File-Based Backup and Restore

**Remediation Chapter:** Appendix E

**Remediation Heading:** Configure VCSA File-Based Backup and Restore

**Explanation:** Native backup and restore for the vCenter Server Appliance is new in version 6.5. It enables users to back up vCenter Server and Platform Services Controller appliances directly from the vCenter Server Appliance Management Interface (VAMI) or API. It streams a set of files to a designated storage device using SCP, HTTP, HTTPs, FTP, or FTPS.

**35.** You want to recover VMs containing snapshots using vSphere Replication. Which statement is true?

a. vSphere Replication does not support VM snapshots

b. Memory state is preserved when recovering to a specific point in time that was captured by vSphere Replication

c. Memory state is not preserved when recovering to a specific point in time that was captured by vSphere Replication

d. vSphere Replication creates snapshots on the source VM

**Correct Answer(s):**

c. Memory state is not preserved when recovering to a specific point in time that was captured by vSphere Replication

**ExamObjective:** 6.3 - Configure vSphere Replication

**Exam Subobjective:** Manage Snapshots on Recovered VMs

**Remediation Chapter:** Appendix E

**Remediation Heading:** Manage Snapshots on Recovered VMs (vSphere Replication)

**Explanation:** If you enabled multiple point-in-time instances when you configured replication for the virtual machine, vSphere Replication presents the retained instances as standard snapshots after a successful recovery. You can select one of these snapshots to revert the virtual

machine. vSphere Replication does not preserve the memory state when you revert to a snapshot.

**36.** You want to monitor VCSA.  Which of the following is not true concerning the VAMI?

a.  You can monitor database space, compute, and network usage.

b.  You can monitor compute and network usage but not database space usage

c.  You can monitor compute and database space usage but not network usage

d.  You can monitor compute usage, but not network or and database space usage

**Correct Answer(s):**

a.  You can monitor database space, compute, and network usage

**ExamObjective:** 7.1 - Troubleshoot vCenter Server and ESXi Hosts

**Exam Subobjective** Understand the VCSA Monitoring Tool

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Understand the VCSA Monitoring Tool

**Explanation:**   VMware improved the VCSA monitoring and configuration tools, including the VAMI, which now allows you to monitor the embedded vPostgres database as well as compute usage and network usage. In the VAMI, you can select **Database** to view details on the disk space usage and the amount of storage used by alarms, events, tasks, and stats.

**37.**  You want to monitor VCSA resource utilization and services.  Which of the following is not helpful?

a.  vimtop

b.  mem.health.get

c.  vMon

d.  vica-deploy --health

**Correct Answer(s):**

d.  vica-deploy --health

**ExamObjective:** 7.1 - Troubleshoot vCenter Server and ESXi Hosts

**Exam Subobjective:** Understand the VCSA Monitoring Tool

**Remediation Chapter:**  Appendix E

**Remediation Heading:**  Understand the VCSA Monitoring Tool

**Explanation:**   You can use the **vimtop** command in the VCSA shell, which is similar to **esxtop** for ESXi hosts.  You can view the health status of the VCSA hardware and other components by

accessing the VCSA shell and using commands such as **mem.health.get**, **storage.health.get**, **swap.health.get**, and **softwarepackages.health.get**.. In VCSA 6.5, a new service life cycle framework called vMon is used that unifies the watchdog services in vCenter Server 6.0 to simplify managing and monitoring vCenter Server services.

**38.** You use vCenter Server 6.5 and want to use Auto Deploy, but Auto Deploy is not available in the vSphere Web Client. What may be the reason?

a. Auto Deploy is not a feature in the vSphere Web Client

b. The Image Builder and Auto Deploy services must be running when you log into vCenter Server

c. You did not enable the Auto Deploy GUI feature

d. PowerCLI is already being used to manage Auto Deploy

**Correct Answer(s):**

b. The Image Builder and Auto Deploy services must be running when you log into vCenter Server

**ExamObjective:** 8.1 - Deploy ESXi Hosts Using Auto Deploy

**Exam Subobjective:** Install and configure Auto Deploy

**Remediation Chapter:** Appendix E

**Remediation Heading:** Auto Deploy

**Explanation:** Auto Deploy can be configured and managed using a graphical user interface (GUI) in vSphere 6.5. The PowerCLI method is still available, but the GUI provides an easier-to-use option. For the Auto Deploy GUI to be visible in the vSphere Web Client, both the Image Builder and Auto Deploy services must be running when you're logging in to vCenter Server.

**39.** Which vSphere 6.5 feature uses a state called Quarantine mode?

a. Proactive DRS

b. Predictive DRS'

c. Proactive HA

d. Predictive HA

**Correct Answer(s):**

c. Proactive HA

**ExamObjective:** 9.1. - Configure vSphere HA Cluster Features

**Exam Subobjective:** Enable / Diable vSphere HA Settings

**Remediation Chapter:** Appendix E

**Remediation Heading:** Proactive HA

**Explanation:** As hardware components become degraded, Proactive HA determines which hosts are at risk and places them into a new state, called *Quarantine Mode*.


**40.** In vSphere 6.5, you want to specify the order to restart VMs in case of an HA event event when the VMs will be started on separate ESXi hosts in the cluster. Which step should you take?

a. **Configure** > **VM / Host Groups**

b. Edit the HA settings of the cluster and configure the restart order.

c. Configure VM anti-affinity rules

d. Configure HA Admission Control

**Correct Answer(s):**

a. **Configure** > **VM / Host Groups**

**ExamObjective:** 9.1. - Configure vSphere HA Cluster Features

**Exam Subobjective:** Enable / Diable vSphere HA Settings

**Remediation Chapter:** Appendix E

**Remediation Heading:** vSphere HA Orchestrated Restarts

**Explanation:** Beginning in vSphere 6.5, you can now configure rules to orchestrate the VM start order in a cluster. If a host fails, HA will automatically attempt to restart the VMs in the specified order, even when they will be spread among multiple hosts in the cluster. To configure this, select **Configure** > **VM/Host Groups** to create at least two VM groups and select **Configure** > **VM/Host Rules** to create a VM-to-VM rule that first restarts VMs in one group and then restarts VMs in the other group.


**41.** Which of the following applies to VCSA HA clustering?

a. Active - Active cluster, minimum of two nodes

b. Active - Passive cluster, minimum of two nodes

c. Active - Active cluster, minimum of three nodes

d. Active - Passive cluster, minimum of three nodes

**Correct Answer(s):**

d. Active - Passive cluster, minimum of three nodes

**ExamObjective:** 9.2 - Configure vCenter Server Appliance (VCSA) HA

**Exam Subobjective:** Understand and Describe the Architecture of VCSA HA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Understand and Describe the Architecture of VCSA HA

**Explanation:** In vSphere 6.5, VCSA provides a native high availability solution. The solution consists of active, passive, and witness nodes that are cloned from an existing vCenter Server instance.

**42.** You configure VCSA HA in basic mode, which of the following is true? (select two)

a. Nodes run in a single cluster. VM anti-affinity rules are used.

b. Each node runs in a separate cluster

c. Nodes run in a single cluster. VM / Host group rules are used.

d. Nodes run in a single cluster. vSphere HA and DRS are disabled

**Correct Answer(s):**

a. Nodes run in a single cluster. VM anti-affinity rules are used

**ExamObjective:** 9.2 - Configure vCenter Server Appliance (VCSA) HA

**Exam Subobjective:** Understand and Describe the Architecture of VCSA HA

**Remediation Chapter:** Appendix E

**Remediation Heading:** Understand and Describe the Architecture of VCSA HA

**Explanation:** In most scenarios, you can deploy the VCSA HA by using the basic method, where the nodes run in a single cluster. This approach is simple and automatically creates the passive and witness nodes. When you're deploying VCSA in a DRS-enabled cluster, the basic method creates an anti-affinity rule and uses DRS to place the nodes on separate hosts.

**43.** To enable and configure VCSA HA, which of the following steps should you take?

a. Add a second NIC the VCSA

b  Edit the vSphere cluster and select the Enable VCSA checkbox.

c. Edit the vSphere cluster and select Basic in the VCSA dropdown

d. Select the VCSA, select the Enable vCenter HA checkbox

**Correct Answer(s):**

a. Add a second NIC the VCSA

**ExamObjective:** 9.2 - Configure vCenter Server Appliance (VCSA) HA

**Exam Subobjective:** Enable and configure VCSA High Availability

**Remediation Chapter:** Appendix E

**Remediation Heading:** Enable and Configure VCSA HA

**Explanation:** On each ESXi host in the cluster where the VCSA nodes will run, add a second network (port group) for vCenter HA traffic.

**44.** In vSphere 6.5, which of the following is true concerning content libraries? (choose two)

a. You can run a VM from the content library.

b A default content library is automatically created.

c. You can choose the optimized HTTP Sync option

d. It leverages VCSA HA.

**Correct Answer(s):**

c. You can choose the optimized HTTP Sync option

d. It leverages VCSA HA

**ExamObjective:** 10.2 - Create and Manage a Content Library

**Exam Subobjective:** Add and remove content libraries

**Remediation Chapter:** Appendix E

**Remediation Heading:** Content Library Improvements

**Explanation:** The new Optimized HTTP Sync option stores content a compressed format, which reduces the synchronization time. The Content Library leverages new features in vCenter Server 6.5, including VCSA HA and backup/restore..