VMware

Exam Questions 2V0-21.20PSE
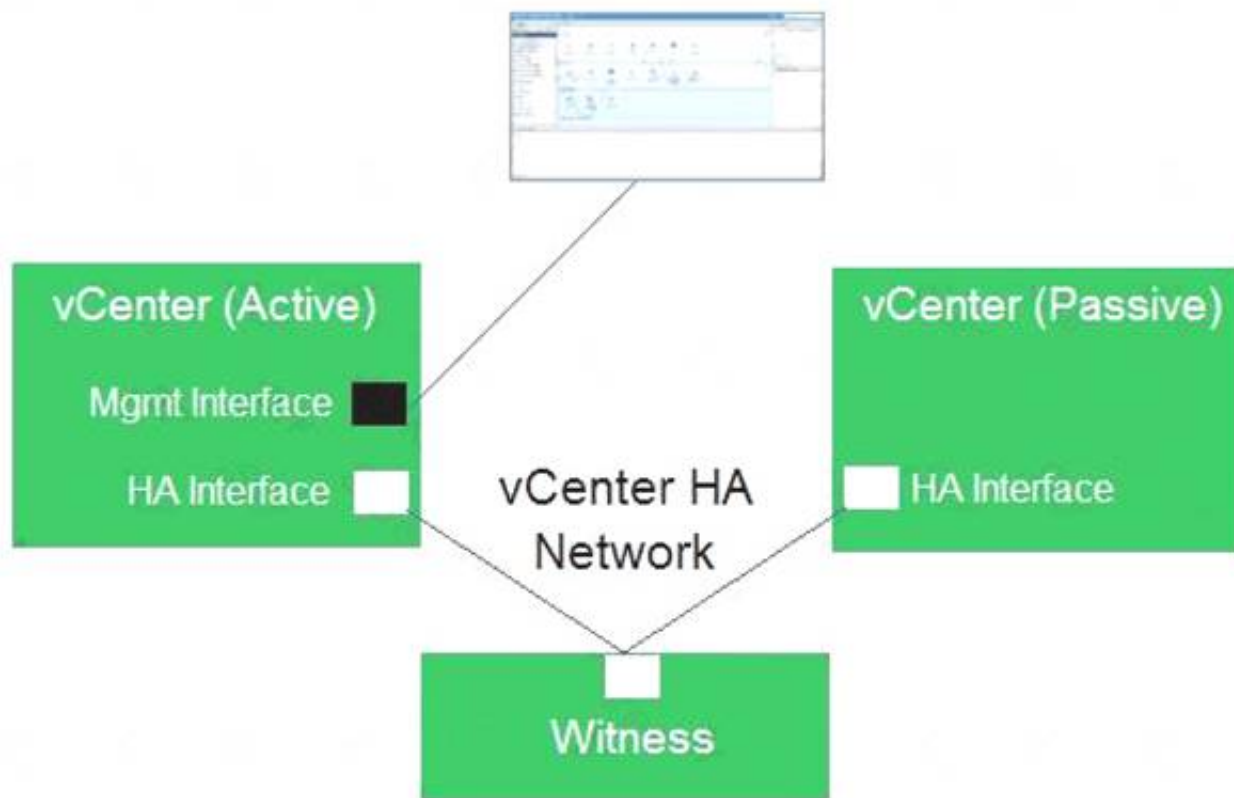
Professional VMware vSphere 7.x

NEW QUESTION 1
What is the foundation of a software-defined data center (SDDC)? (Choose the best answer.)

A. vRealize Operations Manager
B. vSphere
C. vSAN
D. NSX

Answer: B

NEW QUESTION 2
Refer to the exhibit.

Which element is missing from this vCenter High Availability (HA) cluster? (Choose the best answer.)

A. A secondary witness node
B. The management interface on the passive node
C. The connection between the active and passive nodes
D. The management interface and connection on the witness node

Answer: C

NEW QUESTION 3
An administrator wants to implement virtual machine encryption.
Which component encrypts the virtual machine files? (Choose the best answer.)

A. Certificate
B. Data encryption key (DEK)
C. Key encryption key (KEK)
D. Key management server (KMS)

Answer: BC

NEW QUESTION 4
An administrator is NOT able to enable ESXi secure boot.
What is a possible cause of this issue? (Choose the best answer.)

A. The vCenter Server version is 7.0.
B. ESXi is using Trusted Platform Module version 1.2.
C. The ESXi version is 7.0
D. ESXi is using Unified Extensible Firmware Interface (UEFI).

Answer: C

NEW QUESTION 5
Refer to the exhibit.

Which two migration methods can an administrator use to move virtual machines from the SA-Dev cluster to the SA-Compute cluster? (Choose two.)

A. Cold migration of compute resource only
B. Cold migration of storage only
C. Hot migration of compute resource and storage resource
D. Hot migration of compute resource only
E. Cold migration of compute resource and storage resource

Answer: CE

NEW QUESTION 6
What is a minimum disk controller requirement for VMware vSAN? (Choose the best answer.)

A. A disk controller in JBOD mode
B. A disk controller in pass-through or RAID 1 mode
C. A disk controller in pass-through or RAID 5 mode
D. A disk controller in pass-through or RAID 0 mode

Answer: D

NEW QUESTION 7
Which feature can be used to specify data services for virtual disks, such as caching or replication? (Choose the best answer.)

A. Host profiles
B. Virtual machine storage policies
C. VM Customization Specification
D. Storage Distributed Resource Scheduler (DRS)

Answer: B

NEW QUESTION 8
A single host is manually configured to company standards.
Which option would an administrator select to capture this configuration for future use? (Choose the best answer.)

A. Extract Host Profile
B. Reset Host Customizations
C. Attach Host Profile
D. Import Host Profile

Answer: A

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.esxi.install.doc/GUID-4D8EDD07-6C77-4845- https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-4D3909C5-A3

NEW QUESTION 9
An administrator is trying to configure vCenter Single Sign-On from the vSphere Client but does NOT have permission.
Which role is required in order to configure vCenter Single Sign-On? (Choose the best answer.)

A. vCenter Single Sign-On Administrator
B. vCenter Administrator
C. vCenter Server Appliance Root
D. vCenter Power User

Answer: A

NEW QUESTION 10
A company has one corporate datacenter (C1) and one regional datacenter (R1). There is a vCenter Server in each location. An administrator wants a central library available to C1 and R1 for all templates and ISO images.
Which two steps must the administrator take to configure the content library feature to meet this requirement? (Choose two.)

A. Create a published content library on C1.
B. Create a local content library on R1.
C. Create a local content library on C1.
D. Create a subscribed content library on C1.
E. Create a subscribed content library on R1.

Answer: AE

NEW QUESTION 10
A development team has a recurring need to rapidly replicate hundreds of virtual machines (VMs) for load testing.
Which method should the team use to deploy the VMs? (Choose the best answer.)

A. Linked clones from a content library
B. Instant clones using the vSphere API
C. Full clones using vSphere Auto Deploy
D. Full clones from a template

Answer: C

NEW QUESTION 13
There are two vSphere clusters in a company environment. One cluster is hosting development workloads and another is hosting production workloads. Both vSphere clusters are managed by the same vCenter Server.
The application team would like to move a new virtual machine from the development to production cluster with no downtime.
Which feature would allow non-disruptive movement between these two clusters? (Choose the best answer.)

A. Cross vCenter Migration
B. vSphere High Availability
C. vSphere vMotion
D. vSphere Replication

Answer: C

NEW QUESTION 14
In a vSphere High Availability (vSphere HA) cluster, which action does vSphere HA take when the VM Monitoring service does NOT receive heartbeats from a virtual machine (VM) in the cluster? (Choose the best answer.)

A. The VM is restarted on a different host in the cluster.
B. The VM is suspended on the same host in the cluster.
C. The VM is migrated to a different host in the cluster.
D. The VM is restarted on the same host in the cluster.

Answer: A

NEW QUESTION 16
vCenter Server experiences a catastrophic failure and the administrator must restore from a vCenter Server backup stored on an FTP server.
What must the administrator do to restore vCenter Server? (Choose the best answer.)

A. Use the vSphere Client to deploy the appliance onto an ESXi host and restore the vCenter Server data from the backup.
B. Use the vCenter Server Management Interface to restore the vCenter Server data, and power on the appliance.
C. Use the vCenter Server GUI installer to deploy a vCenter Server instance and use the vSphere Client to restore vCenter Server data from the backup.
D. Use the vCenter Server GUI installer to deploy a vCenter Server instance and restore the vCenter Server data from the backup.

Answer: D

NEW QUESTION 19
An administrator is utilizing Network I/O Control (NIOC) to allocate bandwidth utilization on a physical 10 Gbps adapter.
What is the maximum amount of bandwidth that can be reserved? (Choose the best answer.)

A. 2.5 Gbps
B. 10 Gbps
C. 5.0 Gbps
D. 7.5 Gbps

Answer: D

NEW QUESTION 23
What is the server virtualization product that combines the ESXi hypervisor and the vCenter Server? (Choose the best answer.)

A. NSX
B. vRealize Operations Manager
C. vSphere
D. vSAN

Answer: C

NEW QUESTION 24
Which vSphere feature provides for continuous local data center availability? (Choose the best answer.)

A. vSphere Fault Tolerance
B. Cross vCenter Migration
C. vSphere Storage vMotion

D. vSphere Replication

Answer: A

NEW QUESTION 28
Which solution can be used to automatically deploy a fully configured VMware software-defined data center (SDDC)? (Choose the best answer.)

A. vCenter Server
B. vRealize Suite
C. vSphere Lifecycle Manager
D. VMware Cloud Foundation

Answer: B

NEW QUESTION 31
An administrator is configuring ESXi host behavior before and during the remediation process. Which remediation setting is supported only on select hardware platforms? (Choose the best answer.)

A. VM migration
B. HA admission control
C. Maintenance mode failures
D. Quick Boot

Answer: D

NEW QUESTION 33
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.

Answer: B

NEW QUESTION 34
An administrator runs a two-node vSphere cluster, which contains two domain controller virtual machines (VMs). The administrator wants to ensure that VMs run on separate hosts without interfering with normal maintenance operations.
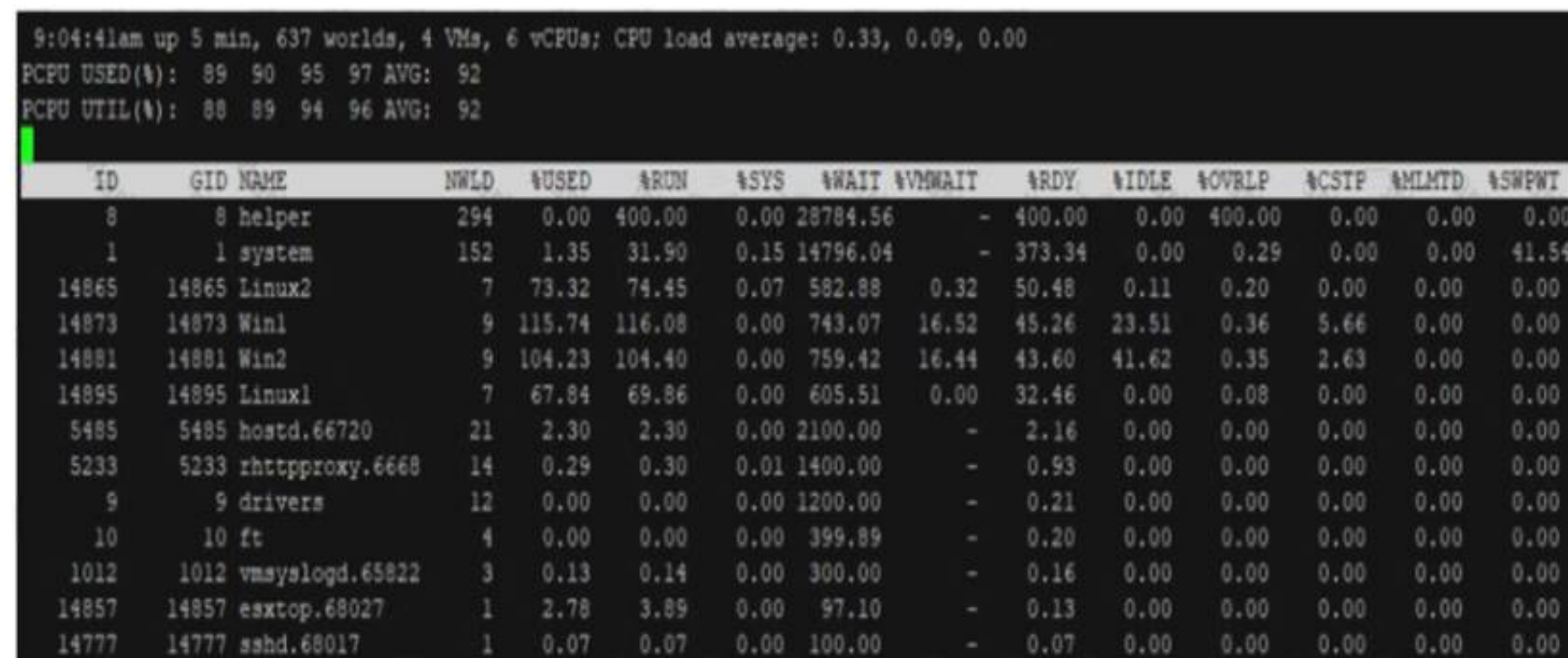How should the administrator configure Distributed Resource Scheduler (DRS)? (Choose the best answer.)

A. Create a 'Must run Virtual Machines to Hosts' anti-affinity rule.
B. Create a 'Virtual Machines to Virtual Machines' anti-affinity rule.
C. Create a 'Virtual Machines to Virtual Machines' dependency rule.
D. Create a 'Should run Virtual Machines to Hosts' anti-affinity rule.

Answer: B

NEW QUESTION 39
Refer to the exhibit.

What does the %RDY for the Win1 virtual machine indicate? (Choose the best answer.)

A. High CPU wait time
B. Low CPU usage
C. High CPU contention

D. Low CPU contention

Answer: C

NEW QUESTION 41
A virtual machine with a single 100 GB virtual machine disk file has a single 20 GB snapshot. The virtual machine is powered off.
How much additional free space on the datastore is required to delete the snapshot, committing the snapshot delta disk to the base disk? (Choose the best answer.)

A. 0 GB
B. 100 GB
C. 20 GB
D. 120 GB

Answer: A

NEW QUESTION 46
An administrator sees a virtual machine message that reads, "Consolidation is required" in the vSphere Client. Which action does ESXi take when the administrator completes snapshot consolidation? (Choose the best answer.)

A. Collapses all snapshots in the current snapshot tree
B. Commits redundant delta disks to the base disk
C. Collapses all snapshots into a single snapshot
D. Deletes all snapshots without committing to the base disk

Answer: D

NEW QUESTION 47
An administrator needs to configure Proactive High Availability (HA) in a vSphere environment so that virtual machines (VMs) do not run on any partially degraded hosts. The administrator would also like to see the recommendations before VMs are migrated.
Which automation and remediation level should the administrator select? (Choose the best answer.)

A. Automation Level – Manual Remediation Level – Quarantine mode
B. Automation Level – Automated Remediation Level – Maintenance mode
C. Automation Level – Manual Remediation Level – Maintenance mode
D. Automation Level – Automated Remediation Level – Mixed mode

Answer: C

NEW QUESTION 51
What are two supported ESXi boot options? (Choose two.)

A. NFS
B. iSCSI
C. vSAN
D. SAN
E. vSphere Virtual Volumes

Answer: BD

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-2A66A330-A9E5-4

NEW QUESTION 54
An administrator is tasked with upgrading an existing VMware vSphere 6.5 environment to version 7.0. There are existing VMFS3 and VMFS5 datastores in the environment.
Which two statements are true regarding this upgrade? (Choose two.)

A. VMFS5 is no longer supported with ESXi 7.0.
B. VMFS3 is no longer supported with ESXi 7.0.
C. An ESXi 7.0 host can automatically upgrade a VMFS5 datastore.
D. An ESXi 7.0 host will automatically upgrade a VMFS3 datastore when discovered.
E. A VMFS3 datastore cannot be upgraded; a new VMFS6 datastore is required.

Answer: BD

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-DAD74662-E09E-4

NEW QUESTION 57
What can an administrator use to partition limited CPU and memory resources between two departments? (Choose the best answer.)

A. vSphere distributed switch
B. vSphere High Availability
C. vCenter folders
D. Resource pools

Answer: D

NEW QUESTION 61
An administrator adds an additional host to a cluster and is attempting to remediate the configuration with a host profile.
Which option would the administrator select on the host before it can be remediated with an existing host profile? (Choose the best answer.)

A. Export Host Customizations
B. Export Host Profile
C. Attach Host Profile
D. Copy Settings from Host

Answer: C

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-09C00374-53C

NEW QUESTION 62
An administrator would like to make virtual machine templates and ISO images available to all vCenter Server instances in the data center.
Which feature should the administrator use to achieve this goal? (Choose the best answer.)

A. Host profiles
B. Content libraries
C. Storage policies
D. Resource pools

Answer: B

NEW QUESTION 66
Which two VMware features are supported in a virtual machine using Intel Software Guard Extensions (Intel SGX) technology? (Choose two.)

A. Fault tolerance
B. vSphere vMotion
C. VM encryption
D. Virtual machine suspend and resume
E. Storage I/O Control

Answer: CE

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-EF552A5E-744B-4

NEW QUESTION 67
When deploying a vCenter Server Appliance, which two single sign-on (SSO)-related options are presented to an administrator? (Choose two.)

A. Create a vCenter Enhanced Linked Mode group
B. Create a vCenter Single Sign-On domain
C. Join an existing vCenter Single Sign-On domain
D. Repoint to another domain
E. Reset Single Sign-On password

Answer: BC

NEW QUESTION 71
An administrator is tasked with upgrading an existing vSphere environment to version 7.0. There are existing VMFS3 and VMFS5 datastores in the environment.
Which statement is true regarding this upgrade? (Choose the best answer.)

A. An ESXi 7.0 host will NOT recognize a VMFS3 datastore.
B. VMFS3 is supported with ESXi 7.0 to store boot configurations only.
C. A VMFS5 datastore CANNOT be upgraded; a new VMFS6 datastore is required.
D. An ESXi 7.0 host can automatically upgrade a VMFS5 datastore.

Answer: C

NEW QUESTION 74
What are two pre-requisites for enabling ESXi secure boot? (Choose two.)

A. External Key Management Service
B. vCenter Server 7.0 or greater
C. Trusted Platform Module version 2.0
D. ESXi 7.0 or greater
E. Unified Extensible Firmware Interface (UEFI)

Answer: AE

Explanation:
https://blogs.vmware.com/vsphere/2017/05/secure-boot-esxi-6-5-hypervisor-assurance.html

NEW QUESTION 77

An administrator is asked to take a snapshot of a virtual machine prior to an application upgrade. The virtual machine has one standard virtual machine disk (VMDK) and one physical mode raw device mapping (RDM) attached.
Which statement is true with regard to taking this snapshot? (Choose the best answer.)

A. The administrator will be unable to snapshot the RDM.
B. The administrator will be able to snapshot the standard VMDK in independent persistent mode.
C. The administrator will be able to snapshot the RDM in independent persistent mode.
D. The administrator will be able to snapshot both disks.

Answer: A

Explanation:
https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-53F65726-A23B

NEW QUESTION 78

An administrator is troubleshooting a recent failure and finds the following error messages:

```
The guest OS has reported an error during quiescing. The error code was: 5 The error message was:
Asynchronous operation failed: >VssSyncStart
The guest OS has reported an error during quiescing. The error code was: 5 The error message was:
'VssSyncStart' operation failed: The >system cannot find the file specified. (0x80070002)
```

Which action has failed, thus resulting in these errors? (Choose the best answer.)

A. Virtual machine power off
B. Virtual machine snapshot
C. Virtual machine migration
D. Virtual machine reconfiguration

Answer: B

NEW QUESTION 80

A new vSphere 7.0 environment is deployed with the following:

≫ A single vCenter Server

≫ Two vSAN clusters

≫ A vSAN default storage policy

Which statement is true regarding virtual disk availability in this environment? (Choose the best answer.)

A. Replicas will be placed on different disk groups but can be placed on the same host.
B. All stripes will be placed on different disk groups and cannot be placed on the same host.
C. Each virtual disk will have four replicas of data.
D. Each virtual disk will have two replicas of data.

Answer: D

NEW QUESTION 83

What is the minimum CPU core requirement for successful installation, or upgrade, or ESXi on a host? (Choose the best answer.)

A. 8
B. 1
C. 32
D. 2

Answer: D

NEW QUESTION 86

A vSphere environment is configured with 1 Gigabit Ethernet for vSphere vMotion. The application team is complaining that when they try to migrate a powered-on virtual machine, the progress is slow and unsuccessful the majority of the time.
Which two recommendations should the administrator make to improve vSphere vMotion performance? (Choose two.)

A. Use at least two port groups.
B. Use vSphere Storage I/O Control (SIOC).
C. Use 10 Gigabit Ethernet or above.
D. Use Link Aggregation Control Protocol (LACP) on the port group.
E. Disable vSphere Fault Tolerance.

Answer: CD

Explanation:
https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A

NEW QUESTION 88

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.

Answer: AB

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.upgrade.doc/GUID-30485437-B107-42

NEW QUESTION 91
Which resource pool setting is used to specify the relative priority or importance as high, normal or low? (Choose the best answer.)

A. Limits
B. Reservation type
C. Shares
D. Reservations

Answer: C

NEW QUESTION 95
Which feature can an administrator configure to have a copy of critical virtual machines in another cluster? (Choose the best answer.)

A. vSphere Storage vMotion
B. vSphere Fault Tolerance
C. vSphere Replication
D. Instant Clone

Answer: D

NEW QUESTION 97
A host profile is updated with a new password that urgently needs to be changed on all hosts attached to the host profile.
Which option would an administrator select to complete the password change? (Choose the best answer.)

A. Copy Settings from Host
B. Remediate
C. Check Host Profile Compliance
D. Edit Host Customizations

Answer: B

NEW QUESTION 101
An administrator is tasked with planning an upgrade of a VMware vSphere environment to version 7.0. The platform consists of 80 ESXi hosts, logically divided into 10 clusters. The tasks will be completed by another operations team within the company.
The hardware is consistent and a single embedded vCenter Server 6.7 appliance is managing the environment.
Which statement is true regarding a suitable upgrade approach? (Choose the best answer.)

A. The vCenter Server can be upgraded using a pre-configured customized JSON template.
B. The ESXi hosts can only be upgraded using the Graphical User Interface Installer.
C. Auto-deploy must be used to upgrade the large scale environment.
D. A new Platform Services Controller must be deployed first.

Answer: C

NEW QUESTION 106
Which two features are only supported by VMFS6 datastores? (Choose two.)

A. Concurrent access to shared storage
B. On-disk locking
C. Dynamic expansion
D. 4K native storage devices
E. Automatic space reclamation

Answer: DE

NEW QUESTION 107
What is a pre-requisite for configuring virtualization-based security (VBS)? (Choose the best answer.)

A. Change the firmware type from UEFI to Legacy BIOS
B. Change the firmware type from Legacy BIOS to UEFI
C. Use Windows Server 2012
D. Use Windows Server 2008 R2

Answer: B

NEW QUESTION 108
ESXi provides VLAN support by assigning a VLAN ID to which component? (Choose the best answer.)

A. Virtual standard switch
B. Physical network interface card (NIC)
C. Virtual distributed switch
D. Port group

Answer: D

NEW QUESTION 113
An administrator wants to be able to log in to the vSphere Client and view the inventories of two vCenter Server instances.
What must the administrator do to meet this requirement? (Choose the best answer.)

A. Configure Enhanced Linked Mode on each vCenter Server instance after deployment is complete.
B. Connect each vCenter Server instance to the same vCenter Single Sign-On domain during deployment.
C. Connect each vCenter Server instance to the same vCenter Single Sign-On domain using the vSphere Client.
D. Configure the vCenter Server Management Interface to view both vCenter Server instances.

Answer: B

Explanation:
https://kb.vmware.com/s/article/2034074
You can join vCenter Server instances in Linked Mode only when all of the instances are registered in the
same Single Sign-On deployment. This includes Single Sign-On instances installed on different sites. When vCenter Server B on site B is joined to vCenter Server
A on site A, the join tool establishes connection both to Single Sign-On A and Single Sign-On B.

NEW QUESTION 118
Each logical port on a vSphere standard switch can be a member of how many port groups? (Choose the best answer.)

A. 4
B. 3
C. 1
D. 2

Answer: C

NEW QUESTION 120
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