

VMware

Exam Questions 2V0-21.20

Professional VMware vSphere 7.x



NEW QUESTION 1

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 2

An administrator is investigating the reason for a powered on virtual machine failing to migrate with the following error log message:

The virtual machine requires hardware features that are unsupported or disabled on the target host.

```
CPUID details: incompatibility at level 0xx register 'xxx'
Host bits: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx
Required: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx
```

Which step should the administrator complete to resolve this error? (Choose the best answer.)

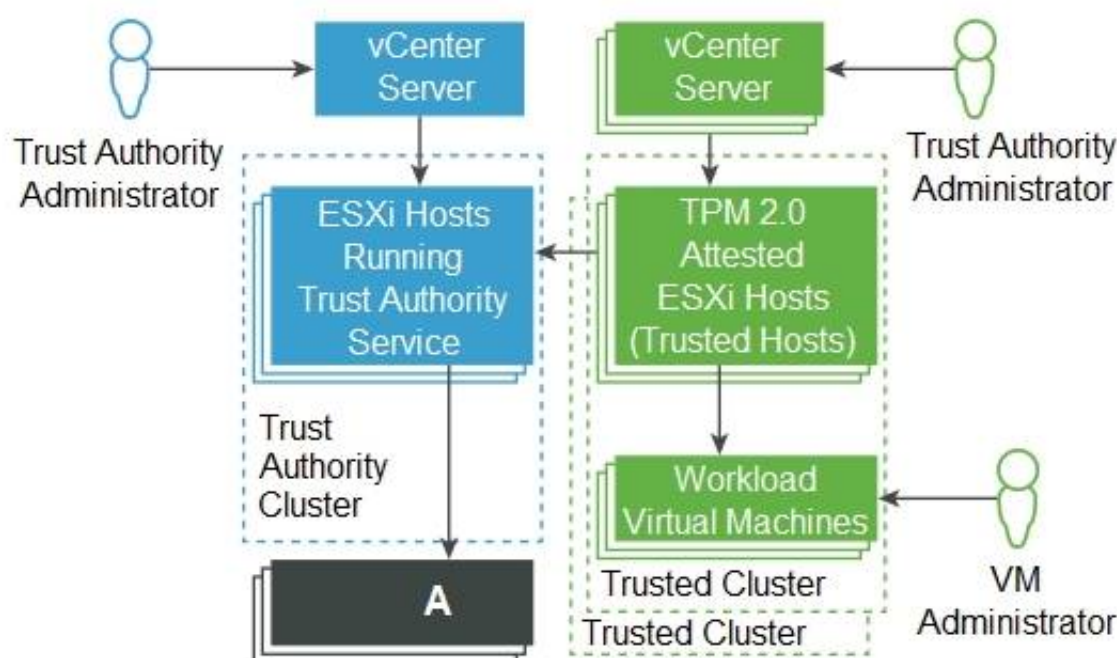
- A. Configure High Availability on the cluster.
- B. Configure vSAN on the cluster.
- C. Configure Distributed Resource Scheduler (DRS) on the cluster.
- D. Configure Enhanced vMotion Compatibility on the cluster.

Answer: D

NEW QUESTION 3

Refer to the exhibit.

Figure 8-1. vSphere Trust Authority Architecture



Which trusted infrastructure component is missing and represented by the area labeled "A"? (Choose the best answer.)

- A. Key Management Server
- B. vSphere Virtual Machine Encryption
- C. Key Provider Service
- D. Attestation Service

Answer: A

NEW QUESTION 4

Which TCP/IP stack can support management traffic, vSphere vMotion, IP storage and vSphere Fault Tolerance? (Choose the best answer.)

- A. VXLAN TCP/IP stack
- B. Provisioning TCP/IP stack
- C. Default TCP/IP stack
- D. vSphere vMotion TCP/IP stack

Answer: C

NEW QUESTION 5

An IT department is experiencing random hardware failures that are costing the company money. The CIO is looking for technical support beyond traditional

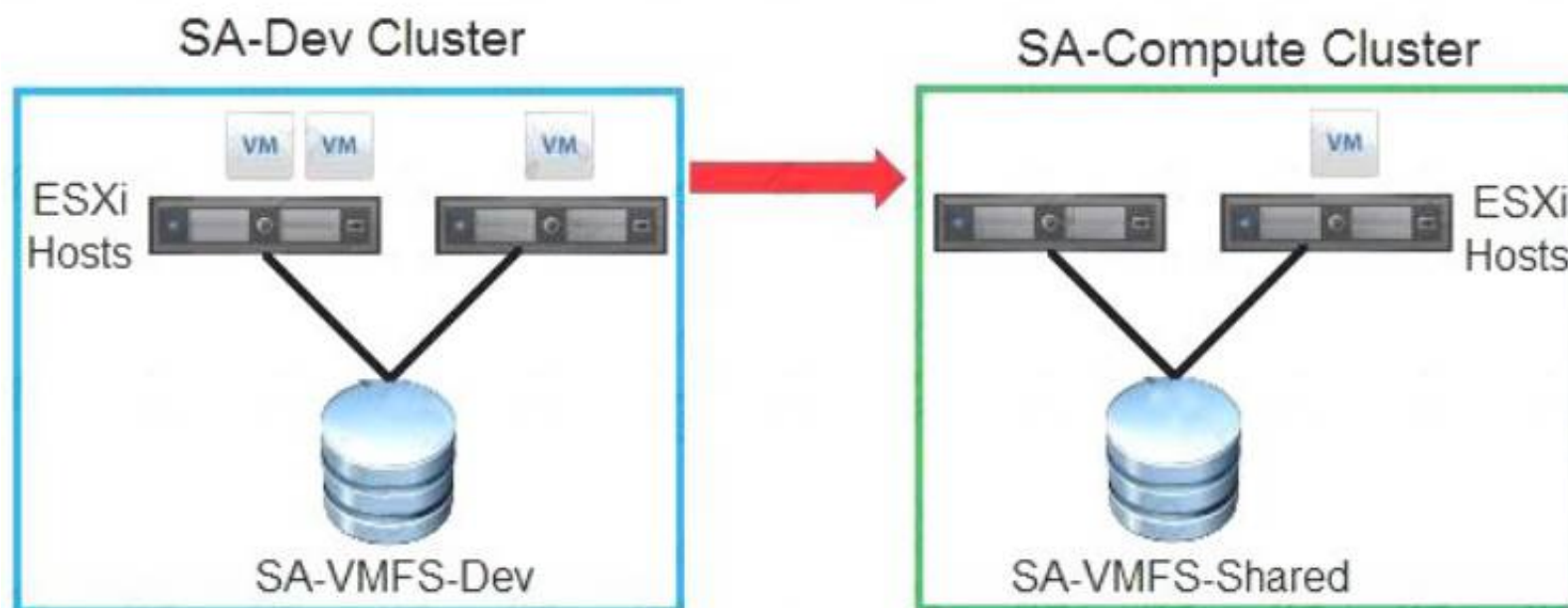
break/fix with enhanced visibility and proactive insights into the environment at no additional cost.
 Which VMware service meets the needs of the CIO? (Choose the best answer.)

- A. VMware Global Support Services
- B. VMware Premier Support
- C. VMware Skyline
- D. vRealize Operations Manager

Answer: C

NEW QUESTION 6

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 7

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

Answer: B

NEW QUESTION 8

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 9

Refer to the exhibit.

Send email notifications ☒ Repeat ☐ ⓘ

Subject * Alarm {Alarm name} on vCenter Server : {Target Name} is {New status}

Email to * admin@vmware.com

An administrator enables email notifications as shown in the attached alarm. However, notifications are NOT being sent.
 Where must the mail server settings be configured to resolve this issue? (Choose the best answer.)

- A. In vCenter Server General settings in the vSphere Client.
- B. In the alarm rule definitions
- C. In the ESXi host system config for the cluster node hosting the vCenter Server Appliance
- D. In Administration settings in the vCenter Server Management Interface

Answer: A

NEW QUESTION 10

What is the minimum number of ESXi hosts required to support vCenter High Availability? (Choose the best answer.)

- A. 6
- B. 3
- C. 2
- D. 4

Answer: B

NEW QUESTION 10

Which feature can an administrator use for site availability with minimal effort and a low recovery point objective (RPO)? (Choose the best answer.)

- A. vSphere vMotion
- B. vSphere High Availability
- C. vSphere Replication
- D. vSphere Fault Tolerance

Answer: C

NEW QUESTION 11

Which virtual disk option allows a virtual machine to consume the minimum storage capacity? (Choose the best answer.)

- A. Independent persistent
- B. Lazy-zeroed thick-provisioned
- C. Eager-zeroed thick-provisioned
- D. Thin-provisioned

Answer: D

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-8204A8D7-25B6-4>

NEW QUESTION 16

vCenter High Availability (HA) protects vCenter Server against host and hardware failures.

What is the minimum number of ESXi hosts required to enable this capability? (Choose the best answer.)

- A. 5
- B. 7
- C. 1
- D. 3

Answer: D

NEW QUESTION 18

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 19

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 21

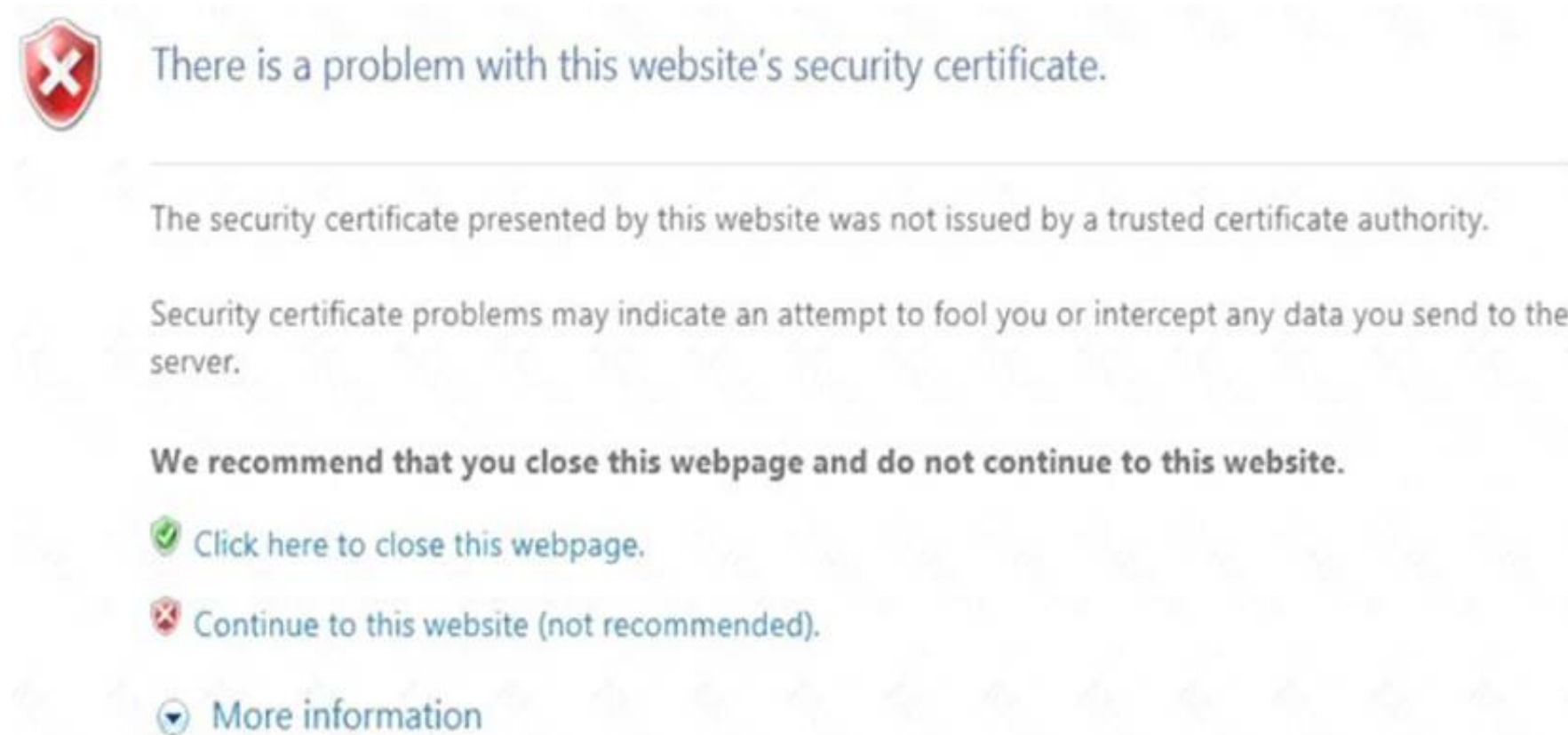
Which resource pool setting is used to specify the relative priority or importance as high, normal or low? (Choose the best answer.)

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

Answer: C

NEW QUESTION 26

Refer to the exhibit.



An administrator repeatedly encounters this error message while attempting to connect to vCenter Server. What should the administrator do to address this error message? (Choose the best answer.)

- A. Use a different browser.
- B. Trust the VMware certificate authority (CA) root certificate.
- C. Restart the vCenter Server Appliance.
- D. Reissue a new, unexpired certificate.

Answer: D

NEW QUESTION 27

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

NEW QUESTION 31

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 33

Which tool is used to monitor the vCenter Server Appliance resources? (Choose the best answer.)

- A. vimtop
- B. esxtop
- C. esxcli

D. vmstat

Answer: A

NEW QUESTION 36

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 37

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 38

Which VMware feature should an administrator configure to help manage and delegate CPU and memory resources? (Choose the best answer.)

- A. VMware Enhanced vMotion Compatibility (EVC)
- B. Resource pools
- C. vSphere Distributed Resource Scheduler (DRS)
- D. vSphere High Availability (HA)

Answer: B

NEW QUESTION 43

An administrator is asked to deploy a virtual machine (VM) that can sniff packets for the Security team. Which setting must be set to “accept” on the VM’s port group? (Choose the best answer.)

- A. Promiscuous mode
- B. Forged transmits
- C. MAC address changes
- D. Traffic shaping

Answer: A

NEW QUESTION 47

An administrator wants to ensure that when virtual machines (VMs) are powered on, Distributed Resource Scheduler (DRS) places them on the best-suited host. When the cluster becomes imbalanced, the administrator wants DRS to display recommendations for manual VM migration. Which DRS automation level should the administrator select? (Choose the best answer.)

- A. Manual
- B. Partially automated
- C. Fully automated
- D. Disabled

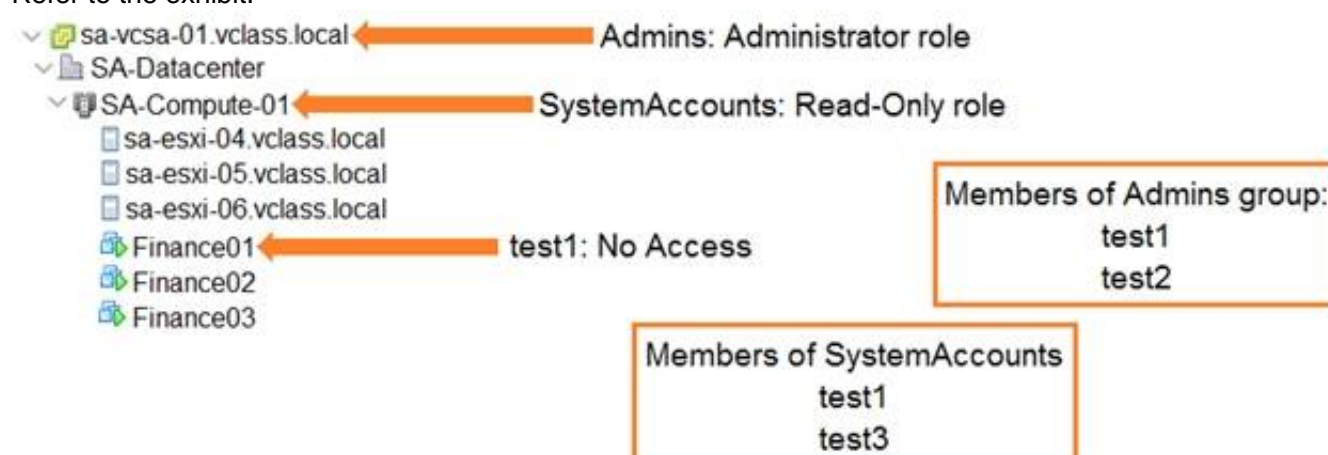
Answer: B

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-C21C0609-923B>

NEW QUESTION 52

Refer to the exhibit.



What is the effective role the test1 account has on the Finance01 virtual machine? (Choose the best answer.)

- A. No access
- B. Administrator
- C. Read-only
- D. Virtual machine user

Answer: A

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-72EE3449-79FD-4>

NEW QUESTION 56

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 59

An administrator can attach a baseline to which two inventory objects? (Choose two.)

- A. Resource pools
- B. Data centers
- C. Datastores
- D. Templates
- E. ESXi hosts

Answer: DE

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.upgrade.doc/GUID-5EA28531-0813-4>

NEW QUESTION 60

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.

Answer: D

NEW QUESTION 63

Which two statements are true regarding the use of firmware update packages in vSphere Lifecycle Manager? (Choose two.)

- A. A hardware support manager must be registered as a vCenter Server extension.
- B. The firmware and drivers add-on are distributed through the official VMware online depot.
- C. The firmware and drivers add-on can be used on clusters that are managed with baselines.
- D. The firmware and drivers add-on can add or remove components from the ESXi base image.
- E. The firmware and drivers add-on is provided by a third-party vendor.

Answer: AD

NEW QUESTION 66

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 68

Which privilege is required to run the esxtop utility? (Choose the best answer.)

- A. Root user
- B. vStatsUser
- C. vStatsAdmin
- D. Administrator

Answer: A

NEW QUESTION 72

Which two storage technologies can an administrator use to deploy the Virtual Machine File System (VMFS)? (Choose two.)

- A. Fibre Channel storage
- B. vSAN storage
- C. Virtual Volumes storage
- D. NFS storage
- E. iSCSI storage

Answer: AE

NEW QUESTION 74

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 77

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 82

An IT department is decommissioning a storage array and tasks an administrator with removing a datastore from ESXi hosts.

What is a prerequisite for unmounting the datastore? (Choose the best answer.)

- A. The datastore is NOT managed by Storage DRS.
- B. The datastore is NOT being used by vSphere High Availability heartbeating.
- C. The datastore is NOT referenced by a host profile.
- D. The datastore does NOT contain powered-off virtual machines.

Answer: A

NEW QUESTION 83

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 84

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 89

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 93

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 97

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 99

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 102

An administrator identifies a snapshot file named “Win10-000001-sesparse.vmdk” on a datastore. Which type of information can be determined about this datastore? (Choose the best answer.)

- A. The datastore is formatted as VMFS3.
- B. The datastore is formatted as VMFS6.
- C. The datastore is a raw device mapping.
- D. The datastore is a vSAN datastore.

Answer: B

NEW QUESTION 106

A recently deployed set of test virtual machines are impacting the performance of a company development team project datastore. The shared cache server appears to be suffering from storage congestion.

Storage I/O Control is already enabled on all company datastores.

Which two steps should the administrator take to improve the performance of the cache server? (Choose two.)

- A. Update the storage provider for the existing array.
- B. Create a claim rule to control the storage path.
- C. Configure the path selection policy.
- D. Configure storage shares per virtual machine.
- E. Configure storage limits per virtual machine.

Answer: DE

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-25C3D9FE-3A9D>

NEW QUESTION 111

Refer to the exhibit.



Which two statements are true regarding the state of the virtual machine (VM) if an administrator clicks the “Delete All” option? (Choose two.)

- A. The VM state will match Snap-C.
- B. No snapshots will remain on the VM.
- C. Snap-A will be intact on the VM.
- D. The VM state will match Snap-B
- E. The VM state will match Snap-A.

Answer: BD

Explanation:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-542CF191-B8D

NEW QUESTION 112

Which feature is a prerequisite for Proactive High Availability (HA)? (Choose the best answer.)

- A. vCenter High Availability
- B. vSAN Cluster
- C. Predictive Distributive Resource Scheduler (DRS)
- D. vSphere Distributive Resource Scheduler (DRS)

Answer: D

NEW QUESTION 116

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