VMware

Exam Questions 2V0-21.20

Professional VMware vSphere 7.x

NEW QUESTION 1
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. An ESXi 7.0 host can automatically upgrade a VMFS5 datastore.
B. VMFS3 is no longer supported with ESXi 7.0.
C. VMFS5 is no longer supported with ESXi 7.0.
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: CE

NEW QUESTION 2
What can an administrator use to partition limited CPU and memory resources between two departments?

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

Answer: C

NEW QUESTION 3
An administrator wants to enable bandwidth allocation for workloads by using Network I/O Control. What should the administrator configure to accomplish this?

A. Load-balancing
B. Virtual machine traffic
C. NIC teaming policy
D. Management traffic

Answer: C

NEW QUESTION 4
ESXi provides VLAN support by assigning a VLAN ID to which component?

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

Answer: D

NEW QUESTION 5
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?

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. Configure the vCenter Server Management Interface to view both vCenter Server instances.
D. Connect each vCenter Server instance to the same vCenter Single Sign-On domain using the vSphere Client.

Answer: A

NEW QUESTION 6
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. Configure storage shares per virtual machine.
B. Configure the path selection policy.
C. Create a claim rule to control the storage path.
D. Configure storage limits per virtual machine.
E. Update the storage provider for the existing array.

Answer: AC

NEW QUESTION 7
A single host is manually configured to company standards.
Which option would an administrator select to capture this configuration for future use?

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

D. Attach Host Profile

Answer: C

NEW QUESTION 8
What is the minimum CPU core requirement for successful installation, or upgrade, of ESXi on a host?

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

Answer: D

NEW QUESTION 9
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?

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

Answer: D

NEW QUESTION 10
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)?

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

Answer: A

NEW QUESTION 10
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?

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

Answer: B

NEW QUESTION 15
Refer to the exhibit.

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?

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

Answer: D

NEW QUESTION 16
What is the server virtualization product that combines the ESXi hypervisor and the vCenter Server?

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

Answer: C

NEW QUESTION 18
Which two VMware features are supported in a virtual machine using Intel Software Guard Extensions (Intel SGX) technology? (Choose two.)

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

Answer: BE

NEW QUESTION 21
Refer to the exhibit.

An administrator is consistently receiving an alarm regarding a CPU performance issue; however, there is NO CPU issue identified. What can the administrator do to make sure the alarm is triggered when there is an actual CPU performance issue?

A. Change 'is below' to 'is above.' Change.'
B. Show as Critical' to 'Show as Warning.'
C. Change 'VM CPU Ready Time' to 'VM Memory Usage.'
D. Change 'VM CPU Ready Time' to VM CPU Usage.'

Answer: B

NEW QUESTION 22
Which virtual disk option allows a virtual machine to consume the minimum storage capacity?

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

Answer: D

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-4C0F4D73-82F2

NEW QUESTION 26
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 vSphere Storage I/O Control (SIOC).
B. Use at least two port groups.
C. Use 10 Gigabit Ethernet or above.
D. Use Link Aggregation Control Protocol (LACP) on the port group.
E. Disable vSphere Fault Tolerance.

Answer: BD

NEW QUESTION 31
How does vSphere handle memory allocation during the instant clone process?

A. Memory is shared among all child virtual machines using a delta disk.
B. The first child virtual machine serves as a memory snapshot for any subsequent child virtual machines.
C. An identical clone of the parent virtual machine's memory is created for each child virtual machine.
D. A unique memory pool is created per child virtual machine using copy-on-write.

Answer: C

NEW QUESTION 35
An administrator wants to be able to send vCenter Server log files to a remote syslog server and analyze logs using vRealize Log Insight. Which step must the administrator take to meet this requirement?

A. Configure log file forwarding using the vCenter Server Management Interface.
B. Configure the vCenter Server logging options using the vSphere Client.
C. Specify the vRealize Log Insight system name using the vSphere Client.
D. Specify the remote syslog server name at deployment using the vCenter Server GUI Installer.

Answer: A

NEW QUESTION 38
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 decommissioned following the deployment of the new vCenter Server Appliance.
B. The external Platform Services Controller needs to be converged into an embedded vCenter Server Appliance.
C. The external Platform Services Controller needs to be powered down while a new vCenter Server Appliance is deployed.
D. The external Platform Services Controller backup can be restored to a new embedded vCenter Server Appliance.
E. The external Platform Services Controller needs to be upgraded after the vCenter Server Appliance.

Answer: DE

NEW QUESTION 43
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?

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

Answer: C

NEW QUESTION 48
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. Hot migration of compute resource only
B. Hot migration of compute resource and storage resource
C. Cold migration of compute resource only
D. Cold migration of compute resource and storage resource
E. Cold migration of storage only

Answer: CD

NEW QUESTION 51
An administrator wants to implement virtual machine encryption. Which component encrypts the virtual machine files?

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

Answer: B

Explanation:
https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-9035D542-B76B-4

NEW QUESTION 53
In a vSphere High Availability (vSphere HA) cluster, which condition can be detected by datastore heartbeating?

A. Datastore All Paths Down (APD) event
B. Network isolation
C. Fault tolerance virtual machine (VM) failover
D. Virtual machine (VM) disk failure

Answer: C

NEW QUESTION 55
An administrator is troubleshooting a recent failure and finds the following error messages:

Which action has failed, thus resulting in these errors?

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

Answer: D

NEW QUESTION 60
Refer to the exhibit.

What does the %RDY for the Win1 virtual machine indicate?

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

Answer: D

NEW QUESTION 65
How many vSphere Trust Authority Clusters can a Trusted Cluster reference?

A. 2
B. 4
C. 8
D. 1

Answer: C

NEW QUESTION 69
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?

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

Answer: A

NEW QUESTION 73
An administrator is unable to manage certificates with the vSphere Client. What is another supported option that can be used to manage certificates?

A. vCenter Server Management Interface
B. Cloud Builder
C. Command Line Interface
D. vRealize Operations Manager

Answer: D

NEW QUESTION 77
Which two vSphere features enable remote site availability? (Choose two.)

A. Proactive High Availability
B. vSphere Replication
C. Cross vCenter Migration
D. vSphere Fault Tolerance
E. vSphere vMotion

Answer: AD

NEW QUESTION 78
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?

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

Answer: D

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A

NEW QUESTION 83
What are two pre-requisites for enabling ESXi secure boot? (Choose two.)

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

Answer: CE

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-10F7022C-DBE1-4

NEW QUESTION 86
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